



STANDING INNOVATION

AWARD RECIPIENTS

OCTOBER 29, 2025
UF INNOVATE | TECH LICENSING

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Standing InnOvation celebrates innovators who are changing the world. This year marks the eighth year we will honor our innovators who have disclosed, licensed, or optioned a technology in the fiscal year just ended and the third year we've added innovators who have received an issued U.S. patent to our honoree list.

In this packet, you'll find an itemized listing – by colleges*, then broken down by departments, then inventors in alphabetical order by last name. We have sent these innovators an email with these details, and we're sending them to you in hopes you'll celebrate their accomplishments with us on Wednesday, October 29, from 4-7 p.m., too.

We also hope your enthusiasm and support will encourage your innovators to celebrate their own achievements as well as their peers. I'll provide some details below.

**Some inventors work for more than one college or more than one department in a college. We've listed them according to the college/department that appears first in our database.*

What is Standing InnOvation?

We call the event Standing InnOvation because we want to give our innovators a “standing ovation” for their excellent work, issue them a “standing invitation” to work with UF Innovate | Tech Licensing to change the world – and because they'll mostly stand at this event. (We will, of course, have some seating, but Sitting InnOvation isn't quite as catchy.)

Key Aspects of Standing InnOvation:

1. We've invited colleges to showcase their innovations at tables around the building throughout the event. (More than displays, these are visual, interactive ways to engage the guests and exhibit some of the work your researchers are doing.)
2. We've got physical awards for the innovators who worked with us this year (and we've alerted them via email detailing what they'll receive):
 - a. Special commemorative glasses for innovators who have disclosed
 - b. License plates for innovators who have licensed a technology
 - c. Cool coasters for innovators who have optioned a technology (since the hope is that they'll license it and earn a cooler license plate next year)
 - d. Individualized patent mugs for innovators who have received an issued U.S. patent
3. We'll award one Innovator of the Year, who will be invited to the stage to speak for a few minutes (more details below).
4. We'll award six Inventions of the Year. We'll invite each team of inventors to the stage to receive their trophy (more details below).
5. The emphasis is on the reception and time for networking and visiting the college's kiosks. (We will serve beer and wine, perhaps a themed cocktail and mocktail, along with other non-alcoholic beverages, and abundant appetizers.)
6. But we do hold a short program in which we honor our innovators (without calling 800+ to the stage) and those special awards mentioned in #3 and 4.

The Evening's Agenda:

- Arrive, get your name badge, and explore the college kiosks all around the building, mingle with old and new friends, and enjoy refreshments.
- Get stationed around the main lobby area for a short (half-hour or less) program just after 5:30 p.m. We'll start with a can't-miss video, welcome one innovator of the year to the stage to speak, and highlight six inventions of the year in a composite video before welcoming the teams to the stage for their trophies.
- After the brief program, take photos against our backdrop, congratulate the award recipients and your inventors for their work, and eat, drink, and make sure we get our money's worth from the caterer.
- Inventors who have registered for the event should look for their gift bag on the tables. They'll be in alphabetical order. (Patent mugs are bulky, and if inventors receive multiple mugs, they may have more than one gift bag.) We'll send gift bags for innovators who weren't able to attend to the communicators in the colleges to distribute (as they take some photos, we hope!)
- All guests should be sure to take a smaller gift bag as you exit (and plan to join us again next year).

What Makes for an “Innovator of the Year” or an “Invention of the Year” Designation?

Innovator of the year: UF Innovate looks at a researcher’s body of work over many years and selects one who has made significant scientific contributions that have been licensed and made their way to the marketplace, sometimes when the researcher has created a startup based on their discoveries.

Inventions of the year: Out of the new technologies disclosed in a fiscal year, each of UF Innovate’s six licensing teams chooses one invention of the year that stands out to them as having great potential.

****Note for communications teams in colleges with these special awards:** We will be interviewing the lead innovators in their labs, when possible, and creating both individual videos for each technology awarded and one overview video, which will be played at Standing InnOvation. We will provide communications teams with the individual video content for use in promoting the award winners (embargoed until they’re announced during the program at the event). You are welcome to capture photos at the event and promote your awardee news any time after 6 p.m. on October 29, 2025.)*

These are the innovators receiving those honors (embargoed until the program begins October 29, 2025):

Innovator of the Year:

Eric T. Wang

Department of Molecular Genetics & Microbiology

Inventions of the Year:

(Lead inventor listed first)

Heterogeneous In-Package Photonic-Electronic Communication Platform

EG-ELECTRICAL / COMPUTER ENG

- Hangbo Yang
- Volker Sorger
- Shweta Meshram

One-shot ELISA and Use of Novel Lyoprotectants

EG-BIOMEDICAL ENGINEERING

- Gregory Hudalla
- Marcio Resende
- Junha Park

Integrative Framework for Predicting JAK Mutations and Their Impact on Drug Efficacy

AG-MICROBIOLOGY / CELL SCI

- Raquel Dias
- Joseph Larkin III
- Jose Ferreira da Silva
- Matthew Richardson
- Ayana Price

Artificial Intelligence (AI) Accelerated Workflow for Superconductors Discovery

EG-MATERIALS SCI ENGINEERING

- Richard Henning
- Jason Blake
- Ajinkya Hire
- Peter Hirschfeld

Genetically Modified Plodia Interpunctella Silk and Uses Thereof

EG-CHEMICAL ENGINEERING

- Whitney Stoppel
- Lauren Eccles
- Bryce Shirk
- Paul Shirk

Topical Formulation for Treating Dermatitis

MD-PEDIATRICS

- Juan Roig

Critical Links:

Please save October 29, 4-7 p.m., on your calendar so you can attend Standing InnOvation and celebrate your innovators who are changing the world. Here's an easy way to save the date:

- Save the date to Outlook or iCalendar by [clicking here](#).
- Save the date to Google Calendar by [clicking here](#).

If you know you'll come, you can [register today here](#).

I hope to see you at Standing InnOvation and look forward to all you accomplish in FY26.

Have Questions?

Please check out our [FAQ page](#) (where you can download a parking pass for the event and more; scroll almost to the bottom for FAQs). If you have more questions, please reach out to Sara Dagen at saradagen@ufl.edu

Institute of Food and Agricultural Sciences



Agricultural and Biomedical Engineering

Hanxi Bao

AG-AGRICUL / BIOLOGICAL ENG

Patent(s) Issued:

- T17998, Devices and Methods for Detecting or Monitoring the Quality of Food Products
 - ORD/UTIL
 - 12,320,754.
 - 6/3/2025

Antonio de Oliveira Costa Neto

AG-AGRICUL / BIOLOGICAL ENG

Disclosed:

- T19659, AI-Enabled Smart Sprayer System for Raised Plasticulture Beds and Row Middles

Bruce Welt

AG-AGRICUL / BIOLOGICAL ENG

Disclosed:

- T19569, Utilization of Copper as a Substitute for Aluminum in Induction Sealing Laminations for Application to Bottles of Muriatic Acid

Agronomy

Fredy Altpeter

AG-AGRONOMY

Disclosed:

- T19640, Sugarcane With Hyperaccumulation of Biomass Oil
- T19641, Energycane With Hyperaccumulation of Biomass Oil
- T19734, Optimization of Tissue Culture Transfer Using Support Structures
- T19890, Promoters Driving Stem Preferred, Heat and Drought Inducible Transgene Expression in Sugarcane

Optioned:

- A21161, Suppression of Flowering by RNA Interference, Or Mutagenesis Elevates Biomass and Sugar Yield in Sugarcane and Energycane

Baskaran Kannan

AG-AGRONOMY

Optioned:

- A21161, Suppression of Flowering by RNA Interference, Or Mutagenesis Elevates Biomass and Sugar Yield in Sugarcane and Energycane

Uzair Khan

AG-AGRONOMY

Disclosed:

- T19734, Optimization of Tissue Culture Transfer Using Support Structures

Kenneth Oduor

AG-AGRONOMY

Disclosed:

- T19717, Cactus-Based Pellets

Moni Qiande

AG-AGRONOMY

Disclosed:

- T19730, Evolved Cellulose Synthase-Like Enzymes for Polysaccharide Production
- T19890, Promoters Driving Stem Preferred, Heat and Drought Inducible Transgene Expression in Sugarcane

Animal Sciences

Samantha Brooks

AG-ANIMAL SCIENCES

Disclosed:

- T19817, EquiPac

Brian Cleaver

AG-ANIMAL SCIENCES

Licensed:

- A20802, Non-Exclusive License, Human Embryonic Kidney 293 Working Cell Bank (HEK293 WCB)

Federico Cunha

AG-ANIMAL SCIENCES

Disclosed:

- T19586, New Bacterial Species Helcococcus Bovis, Dunbaria Uteralis, Bacteroides Uteribovis

Antonio Faciola

AG-ANIMAL SCIENCES

Disclosed:

- T19727, Moochanics Dual Flow Continuous Culture (DFCC)

Tyler Gilliam

AG-ANIMAL SCIENCES

Disclosed:

- T19817, EquiPac

Kwang Jeong

AG-ANIMAL SCIENCES

Disclosed:

- T19670, Probiotics for the Treatment of Neonatal Calf Diarrhea

Zongliang Jiang

AG-ANIMAL SCIENCES

Disclosed:

- T19501, METTL7A Improves IVF Embryo Competence
- T19609, Development of Bovine Extra Embryonic Endoderm Stem Cells (bXENs) and an Improved Bovine Blastoid Technology
- T19733, Methods and Compositions for Generating Bovine Naive Embryonic Stem Cells

Mikayla Johnson

AG-ANIMAL SCIENCES

Disclosed:

- T19727, Moochanics Dual Flow Continuous Culture (DFCC)

Raluca Mateescu

AG-ANIMAL SCIENCES

Disclosed:

- T19605, Thermotolerance Genetic Test

Hao Ming

AG-ANIMAL SCIENCES

Disclosed:

- T19609, Development of Bovine Extra Embryonic Endoderm Stem Cells (bXENs) and an Improved Bovine Blastoid Technology
- T19733, Methods and Compositions for Generating Bovine Naive Embryonic Stem Cells

Kaylee Young

AG-ANIMAL SCIENCES

Disclosed:

- T19817, EquiPac

Haipeng Yu

AG-ANIMAL SCIENCES

Disclosed:

- T19702, A Real-Time Computer Vision and RFID-Based Dairy Cattle High-Throughput Phenotyping System

Yuting Zhai

AG-ANIMAL SCIENCES

Disclosed:

- T19670, Probiotics for the Treatment of Neonatal Calf Diarrhea

Citrus Research and Education Center

Edgardo Etxeberria

AG-CREC-LAKE ALFRED

Patent(s) Issued:

- T17525, Dye-Containing Kaolin Compositions for Crop Protection and Improving Plant Physiology
 - ORD/UTIL
 - 12,161,118
 - 12/10/2024

Amit Levy

AG-CREC-LAKE ALFRED

Disclosed:

- T19547, Citrus Fruit Yield Predictor

Xavier Martini

AG-CREC-LAKE ALFRED

Patent(s) Issued:

- T17735, Universal Small Insect Vector Trap
 - ORD/UTIL
 - 12,268,200
 - 4/8/2025

Gillian Michalczyk

AG-CREC-LAKE ALFRED

Disclosed:

- T19811, A Device to Repeatedly Deliver Agrochemicals to Plants Through Roots While Preventing Leaching

Kirsten Pelz-Stelinski

AG-CREC-LAKE ALFRED

Disclosed:

- T19818, RNAi-Mediated Feeding Inhibition in Asian Citrus Psyllid

Patent(s) Issued:

- T17203, Materials and Methods for Modifying Wolbachia and Paratransformation of Arthropods
 - ORD/UTIL
 - 12,194,327
 - 1/14/2025

Myrtho Pierre

AG-CREC-LAKE ALFRED

Disclosed:

- T19811, A Device to Repeatedly Deliver Agrochemicals to Plants Through Roots While Preventing Leaching

Patent(s) Issued:

- T17525, Dye-Containing Kaolin Compositions for Crop Protection and Improving Plant Physiology
 - ORD/UTIL
 - 12,161,118
 - 12/10/2024

Miltan Roy

AG-CREC-LAKE ALFRED

Disclosed:

- T19818, RNAi-Mediated Feeding Inhibition in Asian Citrus Psyllid

Lukasz Stelinski

AG-CREC-LAKE ALFRED

Disclosed:

- T19887, Compound VU041 and Related Analogs are Highly Toxic to Asian Citrus Psyllid

Jonas Streets

AG-CREC-LAKE ALFRED

Disclosed:

- T19811, A Device to Repeatedly Deliver Agrochemicals to Plants Through Roots While Preventing Leaching

Tripti Vashisth

AG-CREC-LAKE ALFRED

Disclosed:

- T19547, Citrus Fruit Yield Predictor

Christopher Vincent

AG-CREC-LAKE ALFRED

Disclosed:

- T19811, A Device to Repeatedly Deliver Agrochemicals to Plants Through Roots While Preventing Leaching

Patent(s) Issued:

- T17525, Dye-Containing Kaolin Compositions for Crop Protection and Improving Plant Physiology
 - ORD/UTIL
 - 12,161,118
 - 12/10/2024

Nian Wang

AG-CREC-LAKE ALFRED

Disclosed:

- T19677, A Practical Technique to Improve Citrus Tolerance Against HLB
- T19678, Control Citrus HLB by Manipulating ROS Production in Chloroplasts and Protecting Chloroplast Components Involved in Photosynthesis
- T19785, A Novel but Practical Technique to Improve Citrus Tolerance Against HLB
- T19806, HLB Disease Resistance Improvement
- T19859, Technology to Overcome Juvenility of Citrus Plants Generated by Transformation of Juvenile Tissues such as Epicotyl and Embryogenic Protoplasts

Optioned:

- A21391, HLB Disease Resistance Improvement

Entomology and Nematology

Bryony Bonning

AG-ENTOMOLOGY AND NEMATOLOGY

Disclosed:

- T19759, Continuous Cell Lines From Asian Citrus Psyllid, *Diaphorina Citri*
- T19818, RNAi-Mediated Feeding Inhibition in Asian Citrus Psyllid

David Carlson

AG-ENTOMOLOGY AND NEMATOLOGY

Licensed:

- A21170, Exclusive License, Attractants for Insects Such as Flies

William Crow

AG-ENTOMOLOGY AND NEMATOLOGY

Disclosed:

- T19858, Root-Knot Nematode Resistance in Bermudagrass

Christopher Geden

AG-ENTOMOLOGY AND NEMATOLOGY

Licensed:

- A21170, Exclusive License, Attractants for Insects Such as Flies

Zane Grabau

AG-ENTOMOLOGY AND NEMATOLOGY

Disclosed:

- T19810, Meloidogyne Arenaria Pure Culture

Jerome Hogsette

AG-ENTOMOLOGY AND NEMATOLOGY

Licensed:

- A21170, Exclusive License, Attractants for Insects Such as Flies

Bryce Shirk

AG-ENTOMOLOGY AND NEMATOLOGY

Disclosed:

- T19537, Methods To Genetically Modify the Proteins That Encompass Plodia Interpunctella Silk Fiber Formation
- T19869, Engineered Plodia Interpunctella (IAL-Pid2) Cell Line for Protein Production

Paul Shirk

AG-ENTOMOLOGY AND NEMATOLOGY

Disclosed:

- T19537, Methods To Genetically Modify the Proteins That Encompass Plodia Interpunctella Silk Fiber Formation
- T19869, Engineered Plodia Interpunctella (IAL-Pid2) Cell Line for Protein Production

Daniel Swale

AG-ENTOMOLOGY AND NEMATOLOGY

Disclosed:

- T19887, Compound VU041 and Related Analogs are Highly Toxic to Asian Citrus Psyllid
- T19888, Natural Products-Based Solutions to Mitigate Asian Citrus Psyllid Infestations and Huanglongbing Spread

Chun Wong

AG-ENTOMOLOGY AND NEMATOLOGY

Disclosed:

- T19540, Microbial Repellent for *Drosophila* *Suzukii*

Ke Wu

AG-ENTOMOLOGY AND NEMATOLOGY

Disclosed:

- T19759, Continuous Cell Lines From Asian Citrus Psyllid, *Diaphorina* *Citri*

Na Xie

AG-ENTOMOLOGY AND NEMATOLOGY

Disclosed:

- T19818, RNAi-Mediated Feeding Inhibition in Asian Citrus Psyllid

Everglades Research and Education Center

Larissa Carvalho Ferreira

AG-EREC-BELLE GLADE

Disclosed:

- T19849, Bacterial Biocontrol Agent Bacillus sp. Strain KXB148
- T19850, Bacterial Biocontrol Agent Pseudomonas Sp. Strain CB84.4

Katia Xavier

AG-EREC-BELLE GLADE

Disclosed:

- T19849, Bacterial Biocontrol Agent Bacillus sp. Strain KXB148
- T19850, Bacterial Biocontrol Agent Pseudomonas Sp. Strain CB84.4

Fort Lauderdale Research and Education Center

Mica McMillan

AG-FLREC-FT LAUDERDALE

Optioned:

- A21348, Frond Fertilizer for Palms

Karen Williams

AG-FLREC-FT LAUDERDALE

Optioned:

- A21348, Frond Fertilizer for Palms

Food Science and Human Nutrition

Gloria Cagampang

AG-FOOD SCIENCE / HUMAN NUTR

Patent(s) Issued:

- T17414, Compositions and Methods Relating to Shortening
 - ORD/UTIL
 - 12,156,526
 - 12/3/2024

Andrew MacIntosh

AG-FOOD SCIENCE / HUMAN NUTR

Patent(s) Issued:

- T17414, Compositions and Methods Relating to Shortening
 - ORD/UTIL
 - 12,156,526
 - 12/3/2024

Susan Percival

AG-FOOD SCIENCE / HUMAN NUTR

Patent(s) Issued:

- T17414, Compositions and Methods Relating to Shortening
 - ORD/UTIL
 - 12,156,526
 - 12/3/2024

Gulf Coast Research and Education Center

Nathan Boyd

AG-GCREC - BALM

Disclosed:

- T19783, Crop Protection Mapping and Simulation Software

Cheryl Dalid

AG-GCREC - BALM

Disclosed:

- T19512, FL 19.66-220 Strawberry

Alex Rodriguez Calderon

AG-GCREC - BALM

Disclosed:

- T19783, Crop Protection Mapping and Simulation Software

Vance Whitaker

AG-GCREC - BALM

Disclosed:

- T19512, FL 19.66-220 Strawberry
- T19808, White-Fruited Day-Neutral Strawberries

Horticultural Sciences

Susan Boehlein

AG-HORTICULTURAL SCIENCES

Optioned:

- A21271, Corn Phytoglycogen Formulations for Stabilizing Proteins

Matthew Ciccone

AG-HORTICULTURAL SCIENCES

Disclosed:

- T19557, Translating Weighted Probabilistic Bits to Synthetic Genetic Circuits

Felix Enciso Rodriguez

AG-HORTICULTURAL SCIENCES

Disclosed:

- T19889, A Platform for Genetic Transformation: Regeneration of Southern Highbush Blueberries

Jiahn-Chou Guan

AG-HORTICULTURAL SCIENCES

Disclosed:

- T19877, Materials and Methods for Adjusting SL Responses in Plants by Modifying D53 Genes or Proteins

Jeongim Kim

AG-HORTICULTURAL SCIENCES

Disclosed:

- T19566, Natural Products Control Fertilization
- T19696, Control of Male Fertility in Crops

Karen Koch

AG-HORTICULTURAL SCIENCES

Disclosed:

- T19877, Materials and Methods for Adjusting SL Responses in Plants by Modifying D53 Genes or Proteins

Andrew Kunik

AG-HORTICULTURAL SCIENCES

Disclosed:

- T19847, Node-Edge Framework and Language Techniques for AI-Assisted Extraction and Drafting of Plant Biotechnology Protocols

Abigail Lin

AG-HORTICULTURAL SCIENCES

Disclosed:

- T19730, Evolved Cellulose Synthase-Like Enzymes for Polysaccharide Production

Carlos Messina

AG-HORTICULTURAL SCIENCES

Disclosed:

- T19557, Translating Weighted Probabilistic Bits to Synthetic Genetic Circuits

Marcio Resende

AG-HORTICULTURAL SCIENCES

Disclosed:

- T19681, Poly Lactide-Co-Glycolide Nanoparticle as Antibody Lyoprotectant
- T19688, “One-Shot ELISA” Streamlined Lyophilized ELISA Plate
- T19812, Phytoglycogen as a Spray-Drying Excipient
- T19880, Phytoglycogen as a Dry-State Bacteria Stabilizer

Optioned:

- A21271, Corn Phytoglycogen Formulations for Stabilizing Proteins

Doosan Shin

AG-HORTICULTURAL SCIENCES

Disclosed:

- T19566, Natural Products Control Fertilization
- T19696, Control of Male Fertility in Crops

Varun Sai Vemuri

AG-HORTICULTURAL SCIENCES

Disclosed:

- T19839, LLM-PIE V1: A Curated Dataset to Advance Domain-Aware Large Language Models for Physical Inspection Of Electronics

Cătălin Voiniciuc

AG-HORTICULTURAL SCIENCES

Disclosed:

- T19730, Evolved Cellulose Synthase-Like Enzymes for Polysaccharide Production

Microbiology and Cell Science

Daniel Czyz

AG-MICROBIOLOGY / CELL SCI

Disclosed:

- T19606, Pseudomonas Aeruginosa Bacteriophages

Raquel Dias

AG-MICROBIOLOGY / CELL SCI

Disclosed:

- T19720, Integrative Framework for Predicting JAK Mutations and Their Impact on Drug Efficacy
- T19876, SpaceBio: A Literature Data Warehouse for Human Space Exploration

Garrett Ellward

AG-MICROBIOLOGY / CELL SCI

Disclosed:

- T19606, Pseudomonas Aeruginosa Bacteriophages

Jose Ferreira da Silva

AG-MICROBIOLOGY / CELL SCI

Disclosed:

- T19720, Integrative Framework for Predicting JAK Mutations and Their Impact on Drug Efficacy
- T19876, SpaceBio: A Literature Data Warehouse for Human Space Exploration

Claudio Gonzalez

AG-MICROBIOLOGY / CELL SCI

Patent(s) Issued:

- T16573, Lactobacillus Supplement for Promoting Gastric and Immune Health
 - ORD/UTIL
 - 12,042,518
 - 7/23/2024
- T17327, Mechanistic Bacterial Effector to Prevent Apoptosis of Human Beta Cells
 - ORD/UTIL
 - 12,194,066
 - 1/14/2025

Joseph Larkin III

AG-MICROBIOLOGY / CELL SCI

Disclosed:

- T19720, Integrative Framework for Predicting JAK Mutations and Their Impact on Drug Efficacy

Cheng Liu

AG-MICROBIOLOGY / CELL SCI

Disclosed:

- T19513, Enhance Plant Systemic Acquired Resistance Using an AtNPR1 Variant

Graciela Lorca

AG-MICROBIOLOGY / CELL SCI

Patent(s) Issued:

- T16573, Lactobacillus Supplement for Promoting Gastric and Immune Health
 - ORD/UTIL
 - 12,042,518
 - 7/23/2024
- T17327, Mechanistic Bacterial Effector to Prevent Apoptosis of Human Beta Cells
 - ORD/UTIL
 - 12,194,066
 - 1/14/2025

Zhonglin Mou

AG-MICROBIOLOGY / CELL SCI

Disclosed:

- T19513, Enhance Plant Systemic Acquired Resistance Using an AtNPR1 Variant

Amanda Ojeda

AG-MICROBIOLOGY / CELL SCI

Disclosed:

- T19835, Mucoadhesive Polymers as Microbiome Regulators and Pathogenic Barriers in the Cervicovaginal Tract

Ayana Price

AG-MICROBIOLOGY / CELL SCI

Disclosed:

- T19720, Integrative Framework for Predicting JAK Mutations and Their Impact on Drug Efficacy

Matthew Richardson

AG-MICROBIOLOGY / CELL SCI

Disclosed:

- T19720, Integrative Framework for Predicting JAK Mutations and Their Impact on Drug Efficacy

Luiz Roesch

AG-MICROBIOLOGY / CELL SCI

Disclosed:

- T19835, Mucoadhesive Polymers as Microbiome Regulators and Pathogenic Barriers in the Cervicovaginal Tract

Xin Wang

AG-MICROBIOLOGY / CELL SCI

Disclosed:

- T19676, Engineering Electron Transport Chain for Increased Chemical Production in E. coli

North Florida Research and Education Center

José Batista Dubeux Jr.

AG-NFREC-QUINCY

Disclosed:

- T19717, Cactus-Based Pellets

Russell Mizell

AG-NFREC-QUINCY

Patent(s) Issued:

- T17735, Universal Samll Insect Vector Trap
 - ORD/UTIL
 - 12,268,200
 - 4/8/2025

Barry Tillman

AG-NFREC-QUINCY

Disclosed:

- T19715, '725' Peanut Variety

Plant Pathology

Jeremy Brawner

AG-PLANT PATHOLOGY

Disclosed:

- T19522, Script Using a Dual-Genome Prediction Model for Black Pod Disease in Cacao

Karen Garrett

AG-PLANT PATHOLOGY

Disclosed:

- T19547, Citrus Fruit Yield Predictor

Jacobo Robledo Buritica

AG-PLANT PATHOLOGY

Disclosed:

- T19547, Citrus Fruit Yield Predictor

Ina Schlathoelter

AG-PLANT PATHOLOGY

Disclosed:

- T19522, Script Using a Dual-Genome Prediction Model for Black Pod Disease in Cacao

Forest Resources and Conservation

Christopher Dervinis

AG-SCHL-FOREST RES / CONSERV

Disclosed:

- T19535, Transgenic Plant and Methods of Stimulating Nickel Hyperaccumulation in Plants

Matias Kirst

AG-SCHL-FOREST RES / CONSERV

Disclosed:

- T19535, Transgenic Plant and Methods of Stimulating Nickel Hyperaccumulation in Plants

Soil, Water, and Ecosystem Sciences

Christopher Clingensmith

AG-SOIL AND WATER SCIENCE

Disclosed:

- T19489, Soil Spectral AI Models

Optioned:

- A21104, Soil Spectral AI Models

Ioannis Gallios

AG-SOIL AND WATER SCIENCE

Disclosed:

- T19689, SmartPiña: AI-Powered Pineapple Yield Forecasting

Sabine Grunwald

AG-SOIL AND WATER SCIENCE

Disclosed:

- T19489, Soil Spectral AI Models

Optioned:

- A21104, Soil Spectral AI Models

Anastasia Kritharoula

AG-SOIL AND WATER SCIENCE

Disclosed:

- T19689, SmartPiña: AI-Powered Pineapple Yield Forecasting

Nikos Tziolas

AG-SOIL AND WATER SCIENCE

Disclosed:

- T19699, GAIA

Southwest Florida Research and Education Center

Ioannis Ampatzidis

AG-SWFREC-IMMOKALEE

Disclosed:

- T19542, Automated Trunk Injection System
- T19659, AI-Enabled Smart Sprayer System for Raised Plasticulture Beds and Row Middles

Optioned:

- A21327, Method for Plant Disease and Disorder Detection

Ozgur Batuman

AG-SWFREC-IMMOKALEE

Disclosed:

- T19542, Automated Trunk Injection System

Pablo Orozco

AG-SWFREC-IMMOKALEE

Disclosed:

- T19689, SmartPiña: AI-Powered Pineapple Yield Forecasting

Nikolaos Tsakiridis

AG-SWFREC-IMMOKALEE

Disclosed:

- T19699, GAIA

Vinay Vijayakumar

AG-SWFREC-IMMOKALEE

Disclosed:

- T19659, AI-Enabled Smart Sprayer System for Raised Plasticulture Beds and Row Middles

College of Design, Construction and Planning



Interior Design

Jason Meneely

DCP-INTERIOR DESIGN

Patent(s) Issued:

- T17603, Human Eyes Design: First-Person VR Characters for Testing Inclusive Design Solutions
 - ORD/UTIL
 - 12,153,725
 - 11/26/2024

Lisa Platt

DCP-INTERIOR DESIGN

Disclosed:

- T19832, Sustainable Adaptive Material Performance Level System

Arezoo Zeinali

DCP-INTERIOR DESIGN

Disclosed:

- T19832, Sustainable Adaptive Material Performance Level System

M.E. Rinker, Sr. School of Construction Management

Aladdin Alwisy

DCP-RINKER SCH OF BLDG CONSTR

Disclosed:

- T19551, Material-Agnostic Robotic Platform for Industrialized Construction
- T19552, Automated Precision Supplying and Cutting Station

Aaron Costin

DCP-RINKER SCH OF BLDG CONSTR

Disclosed:

- T19728, Multiprotocol Communications Gateway Backpack

Chaofeng Wang

DCP-RINKER SCH OF BLDG CONSTR

Disclosed:

- T19846, Helical 3D Printing Construction of Structures

School of Architecture

Oluwatoyin Lawal

DCP-SCHOOL OF ARCHITECTURE

Disclosed:

- T19694, Blockchain-Enabled City Information Modeling (CIM) for Asset Lifecycle Management

Nawari Nawari

DCP-SCHOOL OF ARCHITECTURE

Disclosed:

- T19694, Blockchain-Enabled City Information Modeling (CIM) for Asset Lifecycle Management

Patent(s) Issued:

- T19159, AI-Assisted Code Compliance Checking for Building and Land Development
 - ORD/UTIL
 - 12,229,480
 - 2/18/2025

Ryan Sharston

DCP-SCHOOL OF ARCHITECTURE

Disclosed:

- T19527, Ornamental Design for an Eco-Dynamic Building Envelope System
- T19528, Eco-Dynamic Building Envelope
- T19529, Eco-Dynamic Building Envelope - Trademark
- T19593, Ornamental Design for the "Cool Box"
- T19714, Energy Performance Prediction Model for Hurricane-Damaged Building Envelopes
- T19761, Adaptive Dynamic Building Envelope
- T19762, ADBE
- T19765, Predictive Adaptive Building Envelope
- T19766, PABE
- T19798, PHEEM
- T19799, PHEM
- T19906, Thermal Performance Predictive Model for Wind-Damaged Buildings

Department of Urban and Regional Planning

Yan Wang

DCP-URBAN REGIONAL / PLANNING

Disclosed:

- T19822, GenAI for Spatial Regeneration Planning

College of Dentistry



Oral Biology

Jacqueline Abranches

DN-ORAL BIOLOGY

Disclosed:

- T19782, A Non-Cariogenic Intraoral Formulation Containing Buprenorphine and Naloxone

Kyle Kasparian

DN-ORAL BIOLOGY

Disclosed:

- T19782, A Non-Cariogenic Intraoral Formulation Containing Buprenorphine and Naloxone

Johanna Moncy

DN-ORAL BIOLOGY

Disclosed:

- T19796, AI Chatbot for Urgent Care Guidance

Orthodontics

Divakar Karanth

DN-ORTHODONTICS

Disclosed:

- T19601, Software for Tooth Volume Calculations
- T19894, Ortho Biomech Sim Pro - Virtual Reality Application for Orthodontic Biomechanics.

OSDS

Karina Amorim

DN-OSDS

Disclosed:

- T19848, SocketFit Guide Part 1
- T19872, SocketFit Guide Part 2

Luiz Gonzaga

DN-OSDS

Disclosed:

- T19848, SocketFit Guide Part 1
- T19872, SocketFit Guide Part 2

Ghida Lawand

DN-OSDS

Disclosed:

- T19848, SocketFit Guide Part 1
- T19872, SocketFit Guide Part 2

William Martin

DN-OSDS

Disclosed:

- T19848, SocketFit Guide Part 1
- T19872, SocketFit Guide Part 2

Carme Riera Homar

DN-OSDS

Disclosed:

- T19848, SocketFit Guide Part 1
- T19872, SocketFit Guide Part 2

Prosthodontics

Josephine Esquivel-Upshaw

DN-PROSTHODONTICS

Disclosed:

- T19511, Fabrication of TiO₂ Nanotube Arrays by Progressive Anodization of Ti Thin Film on Insulated Substrates
- T19788, A High-Sensitivity Biosensing IC With Novel Pulse-Driven Electrical Double-Layer (EDL) Modulation for Advanced Biomedical Applications

Restorative Dental Sciences

Mateus Rocha

DN-RESTORATIVE DENTAL SCIENCES

Disclosed:

- T19601, Software for Tooth Volume Calculations
- T19614, Adaptive Learning Tool - Courseware
- T19624, Adaptive Learning Tool – Software/Algorithm Logic

UF Health

Shands Hospital

Michael Coleman

DSO-SHANDS UF

Disclosed:

- T19643, Tuckers

Julie Herring

DSO-SHANDS UF

Disclosed:

- T19583, Endotracheal Tube

Jennifer Zimmerman

DSO-SHANDS UF

Disclosed:

- T19793, Low-cost, Anatomically Accurate Labor and Delivery Simulator

College of the Arts

Digital World

Angelos Barmpoutis

DW-DIGITAL WORLD

Disclosed:

- T19826, Automated Neurodegeneration Index for Neurological Disease

Licensed:

- A21148, Exclusive License, Imaging Biomarker for Dementia

college of Education



Distance Learning

Jay Rosen

ED-DISTANCE LEARNING

Disclosed:

- T19581, Astreaus Rupertus

Aaron Thomas

ED-DISTANCE LEARNING

Disclosed:

- T19737, Instructor Job Aid

Educational Psychology

Holly Lane

ED-EDP EDUCATIONAL PSYCHOLOGY

Disclosed:

- T19709, Project Read-UFLI Collaboration

Special Education

Valentina Contesse

ED-SPED SPECIAL EDUCATION

Disclosed:

- T19709, Project Read-UFLI Collaboration

The School of Teaching and Learning

Pavlo Antonenko

ED-STL SCHL-TEACH / LEARN

Disclosed:

- T19579, CryptoComics

Kara Dawson

ED-STL SCHL-TEACH / LEARN

Disclosed:

- T19579, CryptoComics

Do Hyong Koh

ED-STL SCHL-TEACH / LEARN

Disclosed:

- T19579, CryptoComics

Houda Pruitt

ED-STL SCHL-TEACH / LEARN

Disclosed:

- T19841, Biotechnology Aptitude and Competency Exam (BACE)
- T19842, Biotechnology Aptitude and Competency Exam (BACE) Preparation Materials
- T19843, Industrial Biotechnology Educator Experience (IBEE)

Christine Wusylko

ED-STL SCHL-TEACH / LEARN

Disclosed:

- T19579, CryptoComics

Herbert Wertheim College of Engineering



J. Clayton Pruitt Family Department of Biomedical Engineering

Eiko Alzamora

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19555, Neuroscience Software Analysis Package: Diffusion Tensor Imaging Analysis
- T19661, Mice Behavioral Tracking in Y-Maze
- T19662, Automated Quantification of Fluorescently Stained Images

Christopher Batich

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19590, Development of a Novel Strategy to Improve the Stability and Self-Life of Blood Products

Heather Blackwell

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19590, Development of a Novel Strategy to Improve the Stability and Self-Life of Blood Products

Alexa Boksiner

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19883, Disclosure for New Endoscopic Spinal Surgical Instrument

Cameron Crouse

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19779, Multi-Functional Material for Providing Local Oxygen and Therapeutics to Support and Protect Cell Viability and Function In Vivo

Jon Dobson

EG-BIOMEDICAL ENGINEERING

Licensed:

- A19969, Exclusive License, RNA-NPs Prime Systemic and Intratumoral Immunity With PD-L1+ Myeloid Cells

Patent(s) Issued:

- T18472, Magnetic Separation System and Devices
 - ORD/UTIL
 - 12,115,537
 - 10/15/2024

Ruogu Fang

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19619, System and Method for Digital Twins of Electrical Brain Stimulation

Daniel Ferris

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19577, A Method to Reduce Cybersickness in Immersive Virtual Reality
- T19805, Imperceptible Infrared Visual and Inaudible High-Frequency Auditory Stimulation for Neural Stimulation

Madeline Fuchs

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19541, CATCH-IDO

Krishna Gaddam

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19828, Cancer-Inspired Chimeric Particles for Immune Regulatory Applications

Kuang Gong

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19636, PET Image Denoising Based On 3D Diffusion Models
- T19637, Diffusion Models-Based Deformable Image Registration
- T19652, Transfer Learning-Based PET Image Denoising Using 3D Diffusion Models With ControlNet
- T19853, Synthetic CT Generation for Rb-82 PET Attenuation Correction Using Diffusion Models

Licensed:

- A21401, Exclusive Limited License, Kuang Gong, SOW #2, Artificial Intelligence-Based PET Imaging

Gregory Hudalla

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19541, CATCH-IDO
- T19562, CATCH Granule Vaccine
- T19681, Poly Lactide-Co-Glycolide Nanoparticle as Antibody Lyoprotectant
- T19688, "One-shot ELISA" Streamlined Lyophilized ELISA Plate
- T19780, Suppression of Anti-Drug Antibodies by CATCH-Leupeptin Biomaterial for the Delivery of Protein Drugs
- T19812, Phytoglycogen as a Spray-Drying Excipient
- T19880, Phytoglycogen as a Dry-State Bacteria Stabilizer
- T19898, Site-Selective Methionine Mutants of Indoleamine 2,3-Dioxygenase

Optioned:

- A21271, Corn Phytoglycogen Formulations for Stabilizing Proteins

Patent(s) Issued:

- T16424, Co-Assesmbly Peptides, Nanostructures, and Methods of Making and Using the Same
 - CON
 - 12,152,088
 - 11/26/2024

Benjamin Keselowsky

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19541, CATCH-IDO
- T19562, CATCH Granule Vaccine
- T19898, Site-Selective Methionine Mutants of Indoleamine 2,3-Dioxygenase

Patent(s) Issued:

- T16444, Bioresorbable Metal Alloy and Implants
 - CON
 - 12,121,627
 - 10/22/2024
- T17254, Microparticle Systems and Their Use for the Treatment of Multiple Sclerosis
 - ORD/UTIL
 - 12,109,271
 - 10/8/2024

Taylor Lansberry

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19779, Multi-Functional Material for Providing Local Oxygen and Therapeutics to Support and Protect Cell Viability and Function In Vivo

Jamal Lewis

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19595, Engineered Particulate Systems for Antigen-specific Induction of Tolerance
- T19828, Cancer-Inspired Chimeric Particles for Immune Regulatory Applications

Hanna Louth

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19838, Development of a Novel Bedside Stereotactic Targeting System for the Brain/Ventricular Drains

Zachary Lyons

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19883, Disclosure for New Endoscopic Spinal Surgical Instrument

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EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19883, Disclosure for New Endoscopic Spinal Surgical Instrument

Cameron Manson

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19515, Anti-CD3 Granular Hydrogel for Immune Protection of Cell Therapies

John McCauley

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19838, Development of a Novel Bedside Stereotactic Targeting System for the Brain/Ventricular Drains

Lucas Melgar

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19780, Suppression of Anti-Drug Antibodies by CATCH-Leupeptin Biomaterial for the Delivery of Protein Drugs

Stephen Michel

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19562, CATCH Granule Vaccine

Kennedy Moes

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19838, Development of a Novel Bedside Stereotactic Targeting System for the Brain/Ventricular Drains

Tran Ngo

EG-BIOMEDICAL ENGINEERING

Patent(s) Issued:

- T18020, Bioprinted, 3d Scaffolds for Cellular Test Beds and Methods of Use Thereof
 - ORD/UTIL
 - 12,195,761
 - 1/14/2025

Junha Park

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19681, Poly Lactide-Co-Glycolide Nanoparticle as Antibody Lyoprotectant
- T19688, “One-Shot ELISA” Streamlined Lyophilized ELISA Plate
- T19812, Phytoglycogen as a Spray-Drying Excipient
- T19880, Phytoglycogen as a Dry-State Bacteria Stabilizer

Optioned:

- A21271, Corn Phytoglycogen Formulations for Stabilizing Proteins

Edward Phelps

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19515, Anti-CD3 Granular Hydrogel for Immune Protection of Cell Therapies

Parisa Rashidi

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19520, NIH SBIR 2024

Optioned:

- A21184, Systems and Methods for Using Deep Learning to Generate Acuity Scores for Critically Ill or Injured Patients

George Rassam

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19838, Development of a Novel Bedside Stereotactic Targeting System for the Brain/Ventricular Drains

Carlos Rinaldi

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19638, Multimodal Theragnostic Composite Nanoparticles for Targeted Delivery of Therapeutics and Imaging of the Lymphatics

Licensed:

- A19969, Exclusive License, RNA-NPs Prime Systemic and Intratumoral Immunity With PD-L1+ Myeloid Cells
- A21058, Exclusive License, Pediatric High-Grade Gliomas (pHGG) and Adult Glioblastoma (GBM)
- A21059, Exclusive License, pp65 full length (fl) lysosomal associated membrane protein (LAMP) mRNA loaded DOTAP liposome vaccine administered intravenously (pp65 RNA loaded lipid particles, pp65 RNA-LPs) in combination With Autologous total tumor mRNA and pp65 full length (fl) lyso

Patent(s) Issued:

- T15266, Magnetically Templated Tissue Engineering Scaffolds and Methods of Making and Using the Magnetically Templated Tissue Engineering Scaffolds
 - DIV
 - 12,318,509
 - 6/3/2025
- T17717, Strongly-Interacting Magnetic Particle Imaging
 - ORD/UTIL
 - 12,072,400
 - 8/27/2024

Nicholas Rodriguez

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19524, Task-Adaptive Calibration Algorithm for EEG Devices Using Dendritic-Inspired Variational Autoencoder With Latent Space Memory

Hayden Ross

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19838, Development of a Novel Bedside Stereotactic Targeting System for the Brain/Ventricular Drains

Matthew Schiefer

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19591, Systems For Treating Pulmonary Arterial Hypertension Through Neuromodulation

Christine Schmidt

EG-BIOMEDICAL ENGINEERING

Patent(s) Issued:

- T17215, Electrical Stimulation of Cells to Induce Enhanced Secretome for Therapeutic Applications
 - ORD/UTIL
 - 12,133,881
 - 11/5/2024
- T18020, Bioprinted, 3D Scaffolds for Cellular Test Beds and Methods of Use Thereof
 - ORD/UTIL
 - 12,195,761
 - 1/14/2025
- T15266, Magnetically Templated Tissue Engineering Scaffolds and Methods of Making and Using the Magnetically Templated Tissue Engineering Scaffolds
 - DIV
 - 12,318,509
 - 6/3/2025

Matthew Scolieri

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19883, Disclosure for New Endoscopic Spinal Surgical Instrument

Blanka Sharma

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19638, Multimodal Theragnostic Composite Nanoparticles for Targeted Delivery of Therapeutics and Imaging of the Lymphatics

Benjamin Shickel

EG-BIOMEDICAL ENGINEERING

Optioned:

- A21184, Systems and Methods for Using Deep Learning to Generate Acuity Scores for Critically Ill or Injured Patients

Jennifer Simonovich

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19541, CATCH-IDO

Audrey Singletary

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19838, Development of a Novel Bedside Stereotactic Targeting System for the Brain/Ventricular Drains

Kevin Smith

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19595, Engineered Particulate Systems for Antigen-specific Induction of Tolerance

Cherie Stabler

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19779, Multi-Functional Material for Providing Local Oxygen and Therapeutics to Support and Protect Cell Viability and Function In Vivo

Skylar Stolte

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19619, System and Method for Digital Twins of Electrical Brain Stimulation

Allen Tu

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19595, Engineered Particulate Systems for Antigen-specific Induction of Tolerance
- T19828, Cancer-Inspired Chimeric Particles for Immune Regulatory Applications

Arun Wanchoo

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19541, CATCH-IDO
- T19880, Phytoglycogen as a Dry-State Bacteria Stabilizer
- T19898, Site-Selective Methionine Mutants of Indoleamine 2,3-Dioxygenase

Celeste Wilkins

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19768, Hand Tracking With Computer Vision for Sport And Activity Analysis

Lakiesha Williams

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19555, Neuroscience Software Analysis Package: Diffusion Tensor Imaging Analysis
- T19661, Mice Behavioral Tracking in Y-Maze
- T19662, Automated Quantification of Fluorescently Stained Images

Jiong Wu

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19637, Diffusion Models-Based Deformable Image Registration

Boxiao Yu

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19636, PET Image Denoising Based On 3D Diffusion Models
- T19652, Transfer Learning-Based PET Image Denoising Using 3D Diffusion Models With ControlNet
- T19853, Synthetic CT Generation for Rb-82 PET Attenuation Correction Using Diffusion Models

Licensed:

- A21401, Exclusive Limited License, Kuang Gong, SOW #2, Artificial Intelligence-Based PET Imaging

Ashni Zaverchand

EG-BIOMEDICAL ENGINEERING

Disclosed:

- T19883, Disclosure for New Endoscopic Spinal Surgical Instrument

Chemical Engineering

Yosif Alfaifi

EG-CHEMICAL ENGINEERING

Disclosed:

- T19866, Swelling-Induced Full Color, Rewritable Photonic Hydrogels, Methods of Making, and Methods of Uses

Taisan Alshammari

EG-CHEMICAL ENGINEERING

Disclosed:

- T19565, Chromogenic Photonic Crystal Sensors, Methods of Making, and Methods of Uses
- T19862, Large-Scale Assembly of Colloidal Photonic Crystals by a Spin Coating Technology

Nevin Brosius

EG-CHEMICAL ENGINEERING

Patent(s) Issued:

- T18272, System and Method for Measuring Surface Tension
 - ORD/UTIL
 - 12,135,269
 - 11/5/2024

Jason Butler

EG-CHEMICAL ENGINEERING

Disclosed:

- T19570, Microfluidic DNA Purification Process

Licensed:

- A20485, Exclusive License, DNA Concentrator and Gate
- A20486, Exclusive License, Microfluidic Extraction and Fractionation of Polyelectrolytes (DNA and RNA)
- A21329, Exclusive License, Microfluidic DNA Purification Process

Chao-Ching Chiang

EG-CHEMICAL ENGINEERING

Disclosed:

- T19511, Fabrication of TiO₂ Nanotube Arrays by Progressive Anodization of Ti Thin Film on Insulated Substrates
- T19764, Ultra-Smooth Single-Crystal Diamond Surfaces by Extended Ozone Exposure

Thomas Corbin

EG-CHEMICAL ENGINEERING

Disclosed:

- T19787, Self-Consistent Oscillations in Patterned Excitation for Surface-tension (SCOPES)

Carl Denard

EG-CHEMICAL ENGINEERING

Disclosed:

- T19526, High-Throughput Discovery of Protease Inhibitory Nanobodies
- T19607, PERRC: Protease Engineering With Reactant Residence Time Control

Lakshay Dhamania

EG-CHEMICAL ENGINEERING

Disclosed:

- T19809, Polymer Ionic Liquid (PIL) Monolith Adsorbent Columns for Selective PFAS Separation

Lauren Eccles

EG-CHEMICAL ENGINEERING

Disclosed:

- T19537, Methods To Genetically Modify the Proteins That Encompass Plodia Interpunctella Silk Fiber Formation

Helena Hagelin Weaver

EG-CHEMICAL ENGINEERING

Licensed:

- A21217, Exclusive License, Concurrent O2 Generation and CO2 Control for Advanced Life Support

Kuan-Hui Hsu

EG-CHEMICAL ENGINEERING

Patent(s) Issued:

- T15105, Preservative Removal From Eye Drops
 - CON
 - 12,310,885
 - 5/27/2025

Boyu Huang

EG-CHEMICAL ENGINEERING

Disclosed:

- T19776, DNA-Guided CRISPR for RNA Editing

Piyush Jain

EG-CHEMICAL ENGINEERING

Disclosed:

- T19776, DNA-Guided CRISPR for RNA Editing
- T19891, Nuclease-Based Multiplexed Detection of Targets

James Jiang

EG-CHEMICAL ENGINEERING

Disclosed:

- T19565, Chromogenic Photonic Crystal Sensors, Methods of Making, and Methods of Uses

Peng Jiang

EG-CHEMICAL ENGINEERING

Disclosed:

- T19565, Chromogenic Photonic Crystal Sensors, Methods of Making, and Methods of Uses
- T19862, Large-Scale Assembly of Colloidal Photonic Crystals by a Spin Coating Technology
- T19866, Swelling-Induced Full Color, Rewritable Photonic Hydrogels, Methods of Making, and Methods of Uses

Patent(s) Issued:

- T16949, Methods of Forming an Antireflective Layer on a Complex Substrate and Complex Substrates Having the Antireflective Layer
 - ORD/UTIL
 - 12,248,123
 - 3/11/2025
- T16968, Methods and Sensors for Detection
 - CON
 - 12,031,919
 - 7/9/2024
- T17004, Substrates Having a Broadband Antireflection Layer and Methods of Forming a Broadband Antireflection Layer
 - CON
 - 12,224,362
 - 2/11/2025
- T17046, Chromogenic Materials, Methods of Making Chromogenic Materials and Methods of Use
 - ORD/UTIL
 - 12,258,470
 - 3/25/2025

Ethan Kermis

EG-CHEMICAL ENGINEERING

Disclosed:

- T19809, Polymer Ionic Liquid (PIL) Monolith Adsorbent Columns for Selective PFAS Separation

Anthony Ladd

EG-CHEMICAL ENGINEERING

Disclosed:

- T19570, Microfluidic DNA Purification Process

Licensed:

- A20485, Exclusive License, DNA Concentrator and Gate
- A20486, Exclusive License, Microfluidic Extraction and Fractionation of Polyelectrolytes (DNA and RNA)
- A21329, Exclusive License, Microfluidic DNA Purification Process

Jason Livesay

EG-CHEMICAL ENGINEERING

Disclosed:

- T19787, Self-Consistent Oscillations in Patterned Excitation for Surface-tension (SCOPES)

Samantha Martinusen

EG-CHEMICAL ENGINEERING

Disclosed:

- T19526, High-Throughput Discovery of Protease Inhibitory Nanobodies

Joshua Moon

EG-CHEMICAL ENGINEERING

Disclosed:

- T19809, Polymer Ionic Liquid (PIL) Monolith Adsorbent Columns for Selective PFAS Separation

Ranganathan Narayanan

EG-CHEMICAL ENGINEERING

Disclosed:

- T19787, Self-Consistent Oscillations in Patterned Excitation for Surface-tension (SCOPES)
-

Patent(s) Issued:

- T18272, System and Method for Measuring Surface Tension
 - ORD/UTIL
 - 12,135,269
 - 11/5/2024

Sage Nelson

EG-CHEMICAL ENGINEERING

Disclosed:

- T19607, PERRC: Protease Engineering With Reactant Residence Time Control

Carlos Orosco

EG-CHEMICAL ENGINEERING

Disclosed:

- T19776, DNA-Guided CRISPR for RNA Editing

Briana Pizzano

EG-CHEMICAL ENGINEERING

Disclosed:

- T19891, Nuclease-Based Multiplexed Detection of Targets

Santosh Rananaware

EG-CHEMICAL ENGINEERING

Disclosed:

- T19891, Nuclease-Based Multiplexed Detection of Targets

Fan Ren

EG-CHEMICAL ENGINEERING

Disclosed:

- T19511, Fabrication of TiO₂ Nanotube Arrays by Progressive Anodization of Ti Thin Film on Insulated Substrates
- T19788, A High-Sensitivity Biosensing IC With Novel Pulse-Driven Electrical Double-Layer (EDL) Modulation for Advanced Biomedical Applications
- T19764, Ultra-Smooth Single-Crystal Diamond Surfaces by Extended Ozone Exposure

Optioned:

- A21236, Methods and Devices for Detecting Glucose in Exhaled Breath

Whitney Stoppel

EG-CHEMICAL ENGINEERING

Disclosed:

- T19537, Methods To Genetically Modify the Proteins That Encompass Plodia Interpunctella Silk Fiber Formation
- T19869, Engineered Plodia Interpunctella (IAL-Pid2) Cell Line for Protein Production

Hsiao-Hsuan Wan

EG-CHEMICAL ENGINEERING

Disclosed:

- T19788, A High-Sensitivity Biosensing IC With Novel Pulse-Driven Electrical Double-Layer (EDL) Modulation for Advanced Biomedical Applications

Civil & Coastal Engineering

Imad Alhayik

EG-CIVIL / COASTAL ENGINEERING

Disclosed:

- T19714, Energy Performance Prediction Model for Hurricane-Damaged Building Envelopes
- T19798, PHEEM
- T19799, PHEM
- T19906, Thermal Performance Predictive Model for Wind-Damaged Buildings

David Arnold

EG-CIVIL / COASTAL ENGINEERING

Disclosed:

- T19625, System for Mobile Recharging of Underground Sensor Networks

Patent(s) Issued:

- T17882, Tunable Electrodynamic Wireless Power Receivers
 - ORD/UTIL
 - 12,272,964
 - 4/8/2025

Lily-Ageliki Elefteriadou

EG-CIVIL / COASTAL ENGINEERING

Disclosed:

- T19645, Intersection Turning Movement Data Exchange (TRD-X)

Arthriya Subgranon

EG-CIVIL / COASTAL ENGINEERING

Disclosed:

- T19714, Energy Performance Prediction Model for Hurricane-Damaged Building Envelopes
- T19798, PHEEM
- T19799, PHEM
- T19906, Thermal Performance Predictive Model for Wind-Damaged Buildings

Computer and Information Science and Engineering

Vincent Bindschaedler

EG-COMPUTER / INFO SCI & ENG

Patent(s) Issued:

- T18309, Securing On-Chip Communication Using Digital Watermarking
 - ORD/UTIL
 - 12,282,543
 - 4/22/2025

John Dinh

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19855, Livelearn: Canvas-Native Live Polling for Seamless Student Engagement

Emmanuel Dorley

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19784, AI Tool to Identify Essential Skills and Knowledge for the Jobs of the Future

Sana Firoz

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19854, EduThemes – AI-Assisted Thematic Analysis Tool for Educators to Code and Analyze Student Response Data at Scale

Juan Gilbert

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19536, Remote Document Verification

Licensed:

- A21240, Non-Exclusive License, Applications Quest: A Software Platform for Achieving Holistic Diversity in Admissions and Hiring
- A21268, Non-Exclusive License, A Software Platform for Achieving Holistic Amendment

Ira Harmon

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19732, AI Vision-Based SaaS (Software-as-a-Service) Models for Pavement and Road Side Object Management, Detection and Maintenance

Xiaoguo Jia

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19794, Detection and Localization of Distributed Denial-of-Service Attacks in Network-on-Chips Using Graph Neural Networks

Anand Mathi

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19854, EduThemes – AI-Assisted Thematic Analysis Tool for Educators to Code and Analyze Student Response Data at Scale

Prabhat Mishra

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19660, Information Leakage Assessment of Cryptographic Instruction Set Extensions
- T19701, Information Leakage Assessment Using Physical Layer Supply Voltage Coupling
- T19703, Systematic Evaluation of Traffic Analysis Vulnerability and Mitigation for Wireless On-Chip Communication
- T19792, System and Method for Side-Channel Analysis using Sleep-Induced Power Signature
- T19794, Detection and Localization of Distributed Denial-of-Service Attacks in Network-on-Chips Using Graph Neural Networks
- T19795, System and Method for Hardware Fuzzing With Selective Symbolic Execution
- T19897, System and Method for Directed Symbolic Evaluation of Firmware Security Vulnerabilities

Patent(s) Issued:

- T18309, Securing On-Chip Communication Using Digital Watermarking
 - ORD/UTIL
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- T18335, Hardware Trojan Detection Using Reinforcement Learning
 - ORD/UTIL
 - 12,079,334
 - 9/3/2024

Sai Suprabhanu Nallapaneni

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19795, System and Method for Hardware Fuzzing With Selective Symbolic Execution

Sahan Nelundeniyalage

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19701, Information Leakage Assessment using Physical Layer Supply Voltage Coupling
- T19792, System and Method for Side-Channel Analysis using Sleep-Induced Power Signature

Toan Nguyen

EG-COMPUTER / INFO SCI & ENG

Patent(s) Issued:

- T17966, Predictive Joint Compression and Encryption for Images and Videos
 - ORD/UTIL
 - 12,058,238
 - 8/6/2024

Vedansh Parvathaneni

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19855, Livelearn: Canvas-Native Live Polling for Seamless Student Engagement

William Pitts

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19854, EduThemes – AI-Assisted Thematic Analysis Tool for Educators to Code and Analyze Student Response Data at Scale

Seth Raber

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19854, EduThemes – AI-Assisted Thematic Analysis Tool for Educators to Code and Analyze Student Response Data at Scale

Eric Ragan

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19731, Using Virtual Reality to Test Visual Field Impairments

Aruna Ranhotige

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19660, Information Leakage Assessment of Cryptographic Instruction Set Extensions
- T19701, Information Leakage Assessment Using Physical Layer Supply Voltage Coupling
- T19792, System and Method for Side-Channel Analysis using Sleep-Induced Power Signature
- T19795, System and Method for Hardware Fuzzing With Selective Symbolic Execution
- T19897, System and Method for Directed Symbolic Evaluation of Firmware Security Vulnerabilities

Benjamin Rheault

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19731, Using Virtual Reality to Test Visual Field Impairments

Aidan Sakata

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19854, EduThemes – AI-Assisted Thematic Analysis Tool for Educators to Code and Analyze Student Response Data at Scale

Amanda Smith

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19852, Cipher - Your Personal Learning Assistant

My Thai

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19505, PGCode: Private Generation of Code

Daisy Wang

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19732, AI Vision-Based SaaS (Software-as-a-Service) Models for Pavement and Road Side Object Management, Detection and Maintenance

Hansika Weerasena

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19703, Systematic Evaluation of Traffic Analysis Vulnerability and Mitigation for Wireless On-Chip Communication
- T19794, Detection and Localization of Distributed Denial-of-Service Attacks in Network-on-Chips using Graph Neural Networks

Savio Xavier

EG-COMPUTER / INFO SCI & ENG

Disclosed:

- T19852, Cipher - Your Personal Learning Assistant
- T19873, Kaizen: Feedback That Fuels Continuous Improvement

Electrical and Computer Engineering

Md Mahfuz Al Hasan

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19724, SegPCBX: A Benchmark X-ray Dataset for Automated PCB Component Analysis and Quality Assurance
- T19839, LLM-PIE V1: A Curated Dataset to Advance Domain-Aware Large Language Models for Physical Inspection Of Electronics

Hasan Al-Shaikh

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19874, A Gray-Box Hardware Penetration Testing Framework for Soc Security Verification

Dinesh Ankireddy

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19896, System and Method for Efficient Formal Verification leveraging Structural Analysis and Design Knowledge

Navid Asadi-Zanjani

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19477, DeepICLogo v2: IC Optical Logo Image Database Version 2
- T19483, High Speed Optical Neural Network Hardware Accelerator Using Adiabatic Elimination-Based ITO Optical Logic Gates
- T19544, Fault-Marking: Defect-Pattern Leveraged Inherent Fingerprinting of Advanced IC Package With Thermo-Reflectance Imaging
- T19622, Boosting Photonic Computing Efficiency With Photonic Memory and Energy Efficient ADC/DAC Design
- T19723, DeepICLogo v2 Dataset: IC Optical Image Dataset for Logo Recognition
- T19724, SegPCBX: A Benchmark X-ray Dataset for Automated PCB Component Analysis and Quality Assurance
- T19741, General Hardware Security Expertise
- T19742, General Microscopy and Image Analysis Expertise
- T19743, Understanding of Vulnerability Database, Security Rules, Properties, and Assertions
- T19744, Detailed Definitions of Security Rules and Properties
- T19745, All Scripts Related to All Licensed Patents Including but Not Limited to the “Concealing Gate Solution” and “DOSC Solution.”
- T19839, LLM-PIE V1: A Curated Dataset to Advance Domain-Aware Large Language Models for Physical Inspection of Electronics
- T19865, Thermo-Seal: A Multi-Layered InfraRed Watermarking Scheme for On-Field IC Provenance Verification Using Thermal Signatures

Optioned:

- A21199, Image Processing for PCB Component Detection (Revised Title)
- A21303, Validating Component Estimates Using Angled Light Sources
- A21306, Nanopyramid: An Optical Scrambler Against Probing Attacks
- A21310, PinPoint: An SMD Pin Localization Algorithm
- A21314, Hardware Trojan Scanner
- A21315, Vanishing Via for Hardware IP Protection From Reverse Engineering
- A21316, Circuit Edit and Obfuscation for Trusted Chip Fabrication

Navid Asadi-Zanjani (con't.)

EG-ELECTRICAL / COMPUTER ENG

Licensed:

- A21132, Non-Exclusive License, SRC 2021-HW-3063, Enhancing Hardware Security for Advanced Packaging Through Externally Activated Nanoelectromechanical Systems (NEMS)
- A21196, Exclusive License, PCB Optical Database
- A21200, Exclusive License, Apparatus for Protecting Against Optical Probing Attacks

Patent(s) Issued:

- T18261, Apparatus for Protecting Against Optical Probing Attacks
 - ORD/UTIL
 - 12,235,959
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- T18305, Knowledge-Based Object Localization In Images For Images For Hardware Assurance
 - ORD/UTIL
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Hafez Bahrami

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19839, LLM-PIE V1: A Curated Dataset to Advance Domain-Aware Large Language Models for Physical Inspection Of Electronics

Swarup Bhunia

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19482, Systems and Methods for Pre-Computation Based Energy-Efficient Implementation of Neural Network
- T19599, BINGO: Brain Inspired Learning Memory Architecture (CIP)
- T19748, Mapping Single Instruction Multiple Data (SIMD) Applications in Processing in Memory (PIM)
- T19863, Generative AI-Based Leakage-Aware Secure Transformations in Digital Hardware
- T19896, System and Method for Efficient Formal Verification Leveraging Structural Analysis and Design Knowledge

Optioned:

- A21140, System and Methods for a Conscious and Intelligent Memory
- A21249, BINGO: Brain Inspired Learning Memory Architecture (CIP)
- A21315, Vanishing Via for Hardware IP Protection From Reverse Engineering

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- T17966, Predictive Joint Compression and Encryption for Images and Videos
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 - 12,058,238
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- T17997, Smart Infrastructures and First-Responder Network for Security and Safety Hazards
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- T18021, Multi-Level Battery Systems for Battery-Operated Entities, Methods for Rapid Charge Transfer Therebetween, and Methods for Optimizing Entity Routing and Network Charge Distribution
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Swarup Bhunia (con't.)

EG-ELECTRICAL / COMPUTER ENG

- T18172, System and Method for Closed-Loop Active Sensing and Protection Against Airborne Pathogens
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- T18348, Removal of Hardware Intellectual Property and Programmable Replacement
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- T18348, Removal of Hardware Intellectual Property and Programmable Replacement
 - ORD/UTIL
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 - 10/15/2024

Jieming Bian

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19827, Systems and Methods for Personalized Federated Fine-Tuning Using Adaptive Local Training and Shared Knowledge Integration

Liton Biswas

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19865, Thermo-Seal: A Multi-Layered InfraRed Watermarking Scheme for On-Field IC Provenance Verification Using Thermal Signatures

Christophe Bobda

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19610, Concatenation-Based Image Stitching for Outside-Inside Cameras Systems

Qian Cai

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19483, High Speed Optical Neural Network Hardware Accelerator Using Adiabatic Elimination-Based ITO Optical Logic Gates

Atri Chatterjee

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19482, Systems and Methods for Pre-Computation Based Energy-Efficient Implementation of Neural Network

Baibhab Chatterjee

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19482, Systems and Methods for Pre-Computation Based Energy-Efficient Implementation of Neural Network
- T19550, Active Fine Tuning of PID Control Using a Moving Average Filter and Adjusted Gain Trend for Dynamic Systems

Si Chen

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19516, Identification of Lightning Strikes to Tall Objects such as Towers and Power Lines Using Machine Learning

Patrick Craig

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19477, DeepICLogo v2: IC Optical Logo Image Database Version 2
- T19723, DeepICLogo v2 Dataset: IC Optical Image Dataset for Logo Recognition
- T19724, SegPCBX: A Benchmark X-ray Dataset for Automated PCB Component Analysis and Quality Assurance

Vernon Crasto

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19625, System for Mobile Recharging of Underground Sensor Networks

Hamed Dalir

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19483, High Speed Optical Neural Network Hardware Accelerator Using Adiabatic Elimination-Based ITO Optical Logic Gates
- T19622, Boosting Photonic Computing Efficiency With Photonic Memory and Energy Efficient ADC/DAC design
- T19629, Fast Tunable Laser Using Transverse Cavity Surface Emitting Laser Near Exceptional Point
- T19801, Dual-Input Electro-Optic Modulator With Ultralow Energy Consumption for Monolithic Integrated Photonics
- T19823, Orbital Angular Momentum Demultiplexing Using Hybrid Fourier Phase Shift Neural Network
- T19899, Scaling Photonic Accelerators

Aritra Dasgupta

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19896, System and Method for Efficient Formal Verification leveraging Structural Analysis and Design Knowledge

Patent(s) Issued:

- T18386, Decommissioning and Erasing Entropy in Microelectronic Systems
 - ORD/UTIL
 - 12,210,663
 - 1/28/2025

Ariel David Cerpa

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19845, MRI Compatible Multifunctional Neural Probe System

Peyman Dehghanzadeh

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19748, Mapping Single Instruction Multiple Data (SIMD) Applications in Processing in Memory (PIM)

Ziqin Ding

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19516, Identification of Lightning Strikes to Tall Objects such as Towers and Power Lines Using Machine Learning

Olivia Dizon-Paradis

EG-ELECTRICAL / COMPUTER ENG

Optioned:

- A21303, Validating Component Estimates Using Angled Light Sources

Licensed:

- A21196, Exclusive License, PCB Optical Database

Reiner Dizon-Paradis

EG-ELECTRICAL / COMPUTER ENG

Patent(s) Issued:

- T17997, Smart Infrastructures and First-Responder Network for Security and Safety Hazards
 - ORD/UTIL
 - 12,024,201
 - 7/2/2024
- T18422, Reconfigurable JTAG Architecture for Implementation of Programmable Hardware Security Features in Digital Designs
 - ORD/UTIL
 - 12,123,912
 - 10/22/2024

Michael Elliott

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19496, Method For Assessing, Ranking and Identifying High-Confidence Large Language Model (LLM) Knowledge

Everestus Ezike

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19550, Active Fine Tuning of PID Control Using a Moving Average Filter and Adjusted Gain Trend for Dynamic Systems

Junling Fan

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19663, Designing With Deception: ML- and COvert Gate-Enhanced Camouflaging to Thwart IC Reverse Engineering

Farimah Farahmandi

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19741, General Hardware Security Expertise
- T19742, General Microscopy and Image Analysis Expertise
- T19743, Understanding of Vulnerability Database, Security Rules, Properties, and Assertions
- T19744, Detailed Definitions of Security Rules and Properties
- T19745, All Scripts Related to All Licensed Patents Including but Not Limited to the “Concealing Gate Solution” and “DOSC Solution.”
- T19789, RL-TPG : Automated Pre-Silicon Security Verification through Reinforcement Learning-Based Test Pattern Generation
- T19791, Secure Test Process for Advanced Packaging Assisted Heterogeneous Integrated Microelectronic Devices
- T19874, A Gray-Box Hardware Penetration Testing Framework for Soc Security Verification

Optioned:

- A21304, Non-Invasive Post-Fabrication Circuit Verification Using Electro-Optical Measurement Techniques
- A21307, ActiWate: Adaptive and Design-Agnostic Active Watermarking for IP Ownership in Modern SoCs
- A21308, FTC - Fault Injection Attack Detection Solution
- A21309, UFM Redaction - Automation Tool for UFM Building
- A21311, Hardware-Assisted Dynamic Instruction Obfuscation for Firmware Protection

Farimah Farahmandi (con't.)

EG-ELECTRICAL / COMPUTER ENG

Licensed:

- A21197, Exclusive License, SoFI: Security Property-Driven Vulnerability Assessments of ICs Against Fault-Injection Attacks
- A21198, Exclusive License, RTL-PSC-Sim: RTL Simulation-Based Power Side Channel Analysis
- A21203, Exclusive License, Protecting Obfuscated Circuits Against Attacks That Utilize Test Infrastructures
- A21205, Exclusive License, Stripped Functionality-Based Locking Enabled Clock-Gating Circuitry to Secure Intellectual Property Against Structural Analysis-Based Attacks
- A21206, Exclusive License, ACED-IT: Assuring Confidential Electronic Designs Against Insider Threats

Patent(s) Issued:

- T18013, Systems And Methods For Laser Probing For Hardware Trojan Detection
 - ORD/UTIL
 - 12,105,858
 - 10/1/2024
- T18306, Security Property-Driven Vulnerability Assessments of ICS Against Fault-Injection Attacks
 - ORD/UTIL
 - 12,204,685
 - 1/21/2025

Philip Feng

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19721, Ultimately Scaled Trampoline Optomechanical Resonator Pixels
- and Arrays for Ultrasensitive Infrared Detection

Domenic Forte

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19499, Side-Channel Monitoring Capability for Real-Time Disassembly, Cyber Attack Forensics, and Incident Response
- T19554, BloomChain: Enhancing Blockchain Scalability and Efficiency With Dynamic Hierarchical Bloom Filters
- T19556, Dynamic Hierarchical Bloom Filters: A Scalable Solution for Efficient Data Management With Changing Cardinality
- T19663, Designing With Deception: ML- and COvert Gate-Enhanced Camouflaging to Thwart IC Reverse Engineering
- T19879, Logic-Based Networks to Accelerate Basecalling With Field Programmable Gate Arrays in Bioinformatics
- T19895, QuEST: Quantitative Entropy Based Security and Trojan Detection Framework for Confidentiality Verification

Optioned:

- A21299, FORTIS: Establishing Forward Trust for Protecting IPs and ICs in Today's Complex Supply Chain
- A21305, COvert Gates Based on a Combination of Doping and Dummy Contacts for Protecting Gate-Level Semiconductor Intellectual Property
- A21306, Nanopyramid: An Optical Scrambler Against Probing Attacks
- A21315, Vanishing Via for Hardware IP Protection From Reverse Engineering
- A21316, Circuit Edit and Obfuscation for Trusted Chip Fabrication
- A21318, Micro-probing Vulnerability Analysis

Licensed:

- A21202, Exclusive License, SCRIPT: A CAD Framework for Power Side-Channel Vulnerability Assessment Using Information Flow Tracking and Pattern Generation
- A21203, Exclusive License, Protecting Obfuscated Circuits Against Attacks That Utilize Test Infrastructures
- A21292, Exclusive License, Hardware Trojan Detection Through Information Flow Security Verification
- A21293, Exclusive License, A Physical Design Flow Against Front-Side Probing Attacks by Internal Shielding

Domenic Forte (con't.)

EG-ELECTRICAL / COMPUTER ENG

Patent(s) Issued:

- T18495, LDO-Based Odometer to Combat IC Recycling
 - ORD/UTIL
 - 12,026,001
 - 7/2/2024

Jose Fortes

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19496, Method For Assessing, Ranking and Identifying High-Confidence Large Language Model (LLM) Knowledge

Yuang Geng

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19735, Vision-Based AI to Clean Demonstration Videos Without Any Supervision
- T19803, A Generalized AI Toolbox for Unsupervised Video Anomaly Detection

Shajib Ghosh

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19477, DeepICLogo v2: IC Optical Logo Image Database Version 2
- T19723, DeepICLogo v2 Dataset: IC Optical Image Dataset for Logo Recognition
- T19724, SegPCBX: A Benchmark X-ray Dataset for Automated PCB Component Analysis and Quality Assurance
- T19839, LLM-PIE V1: A Curated Dataset to Advance Domain-Aware Large Language Models for Physical Inspection of Electronics

Licensed:

- A21196, Exclusive License, PCB Optical Database

Michael Gideons

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19772, Process and Method for Substrate Integrated Waveguide Fabrication

Rui Guo

EG-ELECTRICAL / COMPUTER ENG

Optioned:

- A21309, UFM Redaction - Automation Tool for UFM Building

Licensed:

- A21205, Exclusive License, Stripped Functionality-Based Locking Enabled Clock-Gating Circuitry to Secure Intellectual Property Against Structural Analysis-Based Attacks

Galib Ibne Haidar

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19791, Secure Test Process for Advanced Packaging Assisted Heterogeneous Integrated Microelectronic Devices

Joel Harley

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19516, Identification of Lightning Strikes to Tall Objects such as Towers and Power Lines Using Machine Learning

Patent(s) Issued:

- T17997, Smart Infrastructures and First-Responder Network for Security and Safety Hazards
 - ORD/UTIL
 - 12,024,201
 - 7/2/2024

Elham Heidari

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19483, High Speed Optical Neural Network Hardware Accelerator Using Adiabatic Elimination-Based ITO Optical Logic Gates
- T19622, Boosting Photonic Computing Efficiency With Photonic Memory and Energy Efficient ADC/DAC design
- T19629, Fast Tunable Laser Using Transverse Cavity Surface Emitting Laser Near Exceptional Point
- T19801, Dual-Input Electro-Optic Modulator With Ultralow Energy Consumption for Monolithic Integrated Photonics
- T19823, Orbital Angular Momentum Demultiplexing Using Hybrid Fourier Phase Shift Neural Network
- T19899, Scaling Photonic Accelerators

Antonio Hendricks

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19610, Concatenation-Based Image Stitching for Outside-Inside Cameras Systems

Qinghui Huang

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19753, A New Shielding Technique to Suppress CM EMI Noise of Power Modules
- T19758, EMI Shielding Ring Structure to Suppress Near-Field and Radiated EMI of Power Modules

Sunghyun Hwang

EG-ELECTRICAL / COMPUTER ENG

Patent(s) Issued:

- T18070, Smart Pseudo-Palate For Linguistic and Biomedical Applications
 - ORD/UTIL
 - 12,290,378
 - 5/6/2025

Zahin Ibnat

EG-ELECTRICAL / COMPUTER ENG

Optioned:

- A21307, ActiWate: Adaptive and Design-Agnostic Active Watermarking for IP Ownership in Modern SoCs

Belal Jahannia

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19483, High Speed Optical Neural Network Hardware Accelerator Using Adiabatic Elimination-Based ITO Optical Logic Gates
- T19622, Boosting Photonic Computing Efficiency With Photonic Memory and Energy Efficient ADC/DAC design
- T19899, Scaling Photonic Accelerators

Saeyeong Jeon

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19775, CMP (Chemical Mechanical Polishing)-Enabled Manufacturing Process for High-Frequency Metaconductor Devices

Patent(s) Issued:

- T18070, Smart Pseudo-Palate For Linguistic and Biomedical Applications
 - ORD/UTIL
 - 12,290,378
 - 5/6/2025

Nathan Jessurun

EG-ELECTRICAL / COMPUTER ENG

Optioned:

- A21303, Validating Component Estimates Using Angled Light Sources
- A21310, PinPoint: An SMD Pin Localization Algorithm

Licensed:

- A21196, Exclusive License, PCB Optical Database

Ziqi Jia

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19845, MRI Compatible Multifunctional Neural Probe System

Ezequiel Juarez Garcia

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19673, Method for Risk Precursor Identification in Commercial Aviation Terminal Area Operations

Jack Judy

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19706, Peripheral Nerve Interfaces Based on Micromachined Multielectrode Arrays and Hollow Decellularized Tissue Grafts, Hollow Tissue Engineered Electronic Nerve Interface
- T19707, Allograft Regenerative Peripheral Nerve Interface (ARPNI)
- T19867, Multi-Well-Plate Systems With Integrated 3-D Electronic Interfaces

Rohan Reddy Kalavakonda

EG-ELECTRICAL / COMPUTER ENG

Patent(s) Issued:

- T18021, Multi-Level Battery Systems For Battery-Operated Entities, Methods For Rapid Charge Transfer Therebetween, And Methods For Optimizing Entity Routing And Network Charge Distribution
 - ORD/UTIL
 - 12,049,151
 - 7/30/2024
- T18172, System and Method for Closed-loop Active Sensing and Protection against Airborne Pathogens
 - ORD/UTIL
 - 12,329,216
 - 6/17/2025
- T18422, Reconfigurable JTAG Architecture for Implementation of Programmable Hardware Security Features in Digital Designs
 - ORD/UTIL
 - 12,123,912
 - 10/22/2024

Aslam Khan

EG-ELECTRICAL / COMPUTER ENG

Licensed:

- A21132, Non-Exclusive License, SRC 2021-HW-3063, Enhancing Hardware Security for Advanced Packaging Through Externally Activated Nanoelectromechanical Systems (NEMS)

Mohammad Shafkat Mahmud Khan

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19544, Fault-Marking: Defect-Pattern Leveraged Inherent Fingerprinting of Advanced IC Package With Thermo-reflectance Imaging
- T19865, Thermo-Seal: A Multi-Layered InfraRed Watermarking Scheme for On-Field IC Provenance Verification Using Thermal Signatures

David Koblah

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19663, Designing With Deception: ML- and COvert Gate-Enhanced Camouflaging to Thwart IC Reverse Engineering

Sanjeev Koppal

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19532, Event Camera Depth Estimation From Epipolar Plane Images

Himanandhan Kottur

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19544, Fault-Marking: Defect-Pattern Leveraged Inherent Fingerprinting of Advanced IC Package With Thermo-reflectance Imaging
- T19865, Thermo-Seal: A Multi-Layered InfraRed Watermarking Scheme for On-Field IC Provenance Verification Using Thermal Signatures

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Ratul Kundu

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19550, Active Fine Tuning of PID Control Using a Moving Average Filter and Adjusted Gain Trend for Dynamic Systems

Yanwen Lai

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19753, A New Shielding Technique to Suppress CM EMI Noise of Power Modules
- T19758, EMI Shielding Ring Structure to Suppress Near-Field and Radiated EMI of Power Modules

Michael Levin

EG-ELECTRICAL / COMPUTER ENG

Patent(s) Issued:

- T18495, LDO-Based Odometer to Combat IC Recycling
 - ORD/UTIL
 - 12,026,001
 - 7/2/2024

Hangwei Lu

EG-ELECTRICAL / COMPUTER ENG

Patent(s) Issued:

- T18305, Knowledge-Based Object Localization in Images for Images for Hardware Assurance
 - ORD/UTIL
 - 12,100,131
 - 9/24/2024

Nima Maghari

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Pavan Mangipudi

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19521, SDN-Based HandOver in Multi RAT Networks

Janise McNair

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19521, SDN-Based HandOver in Multi RAT Networks
- T19728, Multiprotocol Communications Gateway Backpack

Shweta Meshram

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19647, Heterogeneous In-package Photonic Engine Platform for Extreme AI (HIPER-

Nurun Mondol

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19789, RL-TPG : Automated Pre-Silicon Security Verification through Reinforcement
- Learning-Based Test Pattern Generation

Adib Nahiyen

EG-ELECTRICAL / COMPUTER ENG

Licensed:

- A21202, Exclusive License, SCRIPT: A CAD Framework for Power Side-Channel Vulnerability Assessment Using Information Flow Tracking and Pattern Generation
- A21203, Exclusive License, Protecting Obfuscated Circuits Against Attacks That Utilize Test Infrastructures
- A21206, Exclusive License, ACED-IT: Assuring Confidential Electronic Designs Against Insider Threats
- A21292, Exclusive License, Hardware Trojan Detection through Information Flow Security Verification

Nicholas Napoli

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19538, Chest and Abdomen Restriction Device
- T19673, Method for Risk Precursor Identification in Commercial Aviation Terminal Area Operations

Tianyu Pan

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19856, LS-OGD: A Lyapunov-Stable Control Framework for Multimodal Adaptation to Concept Drift

Sudipta Paria

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19863, Generative AI-based Leakage-Aware Secure Transformations in Digital Hardware
- T19896, System and Method for Efficient Formal Verification leveraging Structural Analysis and Design Knowledge

Jungmin Park

EG-ELECTRICAL / COMPUTER ENG

Licensed:

- A21202, Exclusive License, SCRIPT: A CAD Framework for Power Side-Channel Vulnerability Assessment Using Information Flow Tracking and Pattern Generation

Robert Parker

EG-ELECTRICAL / COMPUTER ENG

Patent(s) Issued:

- T18021, Multi-Level Battery Systems For Battery-Operated Entities, Methods For Rapid Charge Transfer Therebetween, And Methods For Optimizing Entity Routing And Network Charge Distribution
 - ORD/UTIL
 - 12,049,151
 - 7/30/2024

Amreena Pathan

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19477, DeepICLogo v2: IC Optical Logo Image Database Version 2

Chandraman Patil

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19483, High Speed Optical Neural Network Hardware Accelerator Using Adiabatic Elimination-Based ITO Optical Logic Gates
- T19484, Polarization-Selective Photodetector Based on Topological Insulator
- T19490, Automation of 2DMTS Using Machine Learning

Nitin Pundir

EG-ELECTRICAL / COMPUTER ENG

Licensed:

- A21198, Exclusive License, RTL-PSC-Sim: RTL Simulation-Based Power Side Channel Analysis

Andrew Qiu

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19563, Temporal Spiking Hebbian Learning Rule: A Photonic Implementation in Biological Neural Systems

Braulio Quintana

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19477, DeepICLogo v2: IC Optical Logo Image Database Version 2

Habibur Rahaman

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19482, Systems and Methods for Pre-Computation Based Energy-Efficient Implementation of Neural Network

Fahim Rahman

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19874, A Gray-Box Hardware Penetration Testing Framework for Soc Security Verification

Optioned:

- A21309, UFM Redaction - Automation Tool for UFM Building
- A21311, Hardware-Assisted Dynamic Instruction Obfuscation for Firmware Protection

Licensed:

- A21198, Exclusive License, RTL-PSC-Sim: RTL Simulation-Based Power Side Channel Analysis
- A21203, Exclusive License, Protecting Obfuscated Circuits Against Attacks That Utilize Test Infrastructures
- A21205, Exclusive License, Stripped Functionality-Based Locking Enabled Clock-Gating Circuitry to Secure Intellectual Property Against Structural Analysis-Based Attacks
- A21206, Exclusive License, ACED-IT: Assuring Confidential Electronic Designs Against Insider Threats

Md. Mahfuzur Rahman

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19568, Vertical and Lateral Optical Three Dimensional Interconnect Fabric
- T19613, Hollow Core Vertical Waveguides With Ultra-Low Insertion Loss and Crosstalk for 3D Photonic Routing Fabrics

Mridha Rahman

EG-ELECTRICAL / COMPUTER ENG

Optioned:

- A21307, ActiWate: Adaptive and Design-Agnostic Active Watermarking for IP Ownership in Modern SoCs

Vladimir Rakov

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19516, Identification of Lightning Strikes to Tall Objects such as Towers and Power Lines Using Machine Learning

Sandip Ray

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19896, System and Method for Efficient Formal Verification leveraging Structural Analysis and Design Knowledge

Patent(s) Issued:

- T17997, Smart Infrastructures and First-Responder Network for Security and Safety Hazards
 - ORD/UTIL
 - 12,024,201
 - 7/2/2024

Victoria Ribeiro Rodrigues

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19538, Chest and Abdomen Restriction Device

Antika Roy

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19723, DeepICLogo v2 Dataset: IC Optical Image Dataset for Logo Recognition
- T19724, SegPCBX: A Benchmark X-ray Dataset for Automated PCB Component Analysis and Quality Assurance
- T19839, LLM-PIE V1: A Curated Dataset to Advance Domain-Aware Large Language Models for Physical Inspection Of Electronics

Tyler Ruble

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19735, Vision-Based AI to Clean Demonstration Videos Without Any Supervision

Ivan Ruchkin

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19735, Vision-Based AI to Clean Demonstration Videos Without Any Supervision
- T19803, A Generalized AI Toolbox for Unsupervised Video Anomaly Detection

Shuvagata Saha

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Disclosed:

- T19874, A Gray-Box Hardware Penetration Testing Framework for Soc Security Verification

Sujan Saha

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19789, RL-TPG : Automated Pre-Silicon Security Verification through Reinforcement Learning-Based Test Pattern Generation
- T19874, A Gray-Box Hardware Penetration Testing Framework for Soc Security Verification

Alfredo Bayu Satriya

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19781, Machine Learning-Based Microwave System for Human Abdominal Body Composition Measurement in the 300 MHz to 1 GHz Frequency Range

Russell Schwartz

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19617, Integrated Photonic Fourier Lens for Convolutional Neural Networks
- T19666, Integrated Photonic 4F System for on Chip Convolution Operations

Md Shah Imran Shovon

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19723, DeepICLogo v2 Dataset: IC Optical Image Dataset for Logo Recognition
- T19839, LLM-PIE V1: A Curated Dataset to Advance Domain-Aware Large Language Models for Physical Inspection Of Electronics

Bassam Smadi

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19706, Peripheral Nerve Interfaces Based on Micromachined Multielectrode Arrays and Hollow Decellularized Tissue Grafts, Hollow Tissue Engineered Electronic Nerve Interface
- T19707, Allograft Regenerative Peripheral Nerve Interface (ARPNI)

Volker Sorger

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19563, Temporal Spiking Hebbian Learning Rule: A Photonic Implementation in Biological Neural Systems
- T19568, Vertical and Lateral Optical Three Dimensional Interconnect Fabric
- T19613, Hollow Core Vertical Waveguides With Ultra-Low Insertion Loss and Crosstalk for 3D Photonic Routing Fabrics
- T19617, Integrated Photonic Fourier Lens for Convolutional Neural Networks
- T19647, Heterogeneous In-Package Photonic Engine Platform for Extreme AI (HIPER-X)
- T19666, Integrated Photonic 4F System for on Chip Convolution Operations

Patanjali Srusti Lakshmiprasanna Sriramakumara

EG-ELECTRICAL / COMPUTER ENG

Patent(s) Issued:

- T17997, Smart Infrastructures and First-Responder Network for Security and Safety Hazards
 - ORD/UTIL
 - 12,024,201
 - 7/2/2024
- T18422, Reconfigurable JTAG Architecture for Implementation of Programmable Hardware Security Features in Digital Designs
 - ORD/UTIL
 - 12,123,912
 - 10/22/2024

Mark Tehranipoor

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19741, General Hardware Security Expertise
- T19742, General Microscopy and Image Analysis Expertise
- T19743, Understanding of Vulnerability Database, Security Rules, Properties, and Assertions
- T19744, Detailed Definitions of Security Rules and Properties
- T19745, All Scripts Related to All Licensed Patents Including but Not Limited to the “Concealing Gate Solution” and “DOSC Solution.”
- T19789, RL-TPG : Automated Pre-Silicon Security Verification through Reinforcement Learning-Based Test Pattern Generation
- T19791, Secure Test Process for Advanced Packaging Assisted Heterogeneous Integrated Microelectronic Devices
- T19874, A Gray-Box Hardware Penetration Testing Framework for Soc Security Verification

Optioned:

- A21199, Image Processing for PCB Component Detection
- A21299, FORTIS: Establishing Forward Trust for Protecting IPs and ICs in Today’s Complex Supply Chain
- A21303, Validating Component Estimates Using Angled Light Sources
- A21304, Non-Invasive Post-Fabrication Circuit Verification Using Electro-Optical Measurement Techniques
- A21305, COvert Gates Based on a Combination of Doping and Dummy Contacts for Protecting Gate-Level Semiconductor Intellectual Property
- A21306, Nanopyramid: An Optical Scrambler Against Probing Attacks
- A21307, ActiWate: Adaptive and Design-Agnostic Active Watermarking for IP Ownership in Modern SoCs
- A21308, FTC - Fault Injection Attack Detection Solution
- A21309, UFM Redaction - Automation Tool for UFM Building

Licensed:

- A21196, Exclusive License, PCB Optical Database
- A21197, Exclusive License, SoFI: Security Property-Driven Vulnerability Assessments of ICs Against Fault-Injection Attacks
- A21198, Exclusive License, RTL-PSC-Sim: RTL Simulation-Based Power Side Channel Analysis
- A21200, Exclusive License, Apparatus for Protecting Against Optical Probing Attacks

Mark Tehranipoor (con't.)

EG-ELECTRICAL / COMPUTER ENG

- A21202, Exclusive License, SCRIPT: A CAD Framework for Power Side-Channel Vulnerability Assessment Using Information Flow Tracking and Pattern Generation
- A21203, Exclusive License, Protecting Obfuscated Circuits Against Attacks That Utilize Test Infrastructures
- A21205, Exclusive License, Stripped Functionality-Based Locking Enabled Clock-Gating Circuitry to Secure Intellectual Property Against Structural Analysis-Based Attacks
- A21206, Exclusive License, ACED-IT: Assuring Confidential Electronic Designs Against Insider Threats
- A21292, Exclusive License, Hardware Trojan Detection Through Information Flow Security Verification

Patent(s) Issued:

- T18013, Systems And Methods For Laser Probing For Hardware Trojan Detection
 - ORD/UTIL
 - 12,105,858
 - 10/1/2024
- T18261, Apparatus for Protecting Against Optical Probing Attacks
 - ORD/UTIL
 - 12,235,959
 - 2/25/2025
- T18305, Knowledge-Based Object Localization in Images for Images for Hardware Assurance
 - ORD/UTIL
 - 12,100,131
 - 9/24/2024
- T18306, Security Property-Driven Vulnerability Assessments of ICS Against Fault-Injection Attacks
 - ORD/UTIL
 - 12,204,685
 - 1/21/2025

Peter Van Kirk

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19490, Automation of 2DMTS Using Machine Learning

Christopher Vega

EG-ELECTRICAL / COMPUTER ENG

Patent(s) Issued:

- T17997, Smart Infrastructures and First-Responder Network for Security and Safety Hazards
 - ORD/UTIL
 - 12,024,201
 - 7/2/2024
- T18422, Reconfigurable JTAG Architecture for Implementation of Programmable Hardware Security Features in Digital Designs
 - ORD/UTIL
 - 12,123,912
 - 10/22/2024

Giancarlo Vidal

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19735, Vision-Based AI to Clean Demonstration Videos Without Any Supervision

Hao Wang

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19563, Temporal Spiking Hebbian Learning Rule: A Photonic Implementation in Biological Neural Systems

Huanyu Wang

EG-ELECTRICAL / COMPUTER ENG

Licensed:

- A21197, Exclusive License, SoFI: Security Property-Driven Vulnerability Assessments of ICs Against Fault-Injection Attacks
- A21293, Exclusive License, A Physical Design Flow Against Front-Side Probing Attacks by Internal Shielding

Patent(s) Issued:

- T18306, Security Property-Driven Vulnerability Assessments of ICS Against Fault-Injection Attacks
 - ORD/UTIL
 - 12,204,685
 - 1/21/2025

Lei Wang

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19827, Systems and Methods for Personalized Federated Fine-Tuning Using Adaptive Local Training and Shared Knowledge Integration

Shuo Wang

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19683, Electromagnetic Hammer
- T19684, Novel Power Electronics Circuits for Ocean Wave Energy Harvesting using Variable Capacitance Generators
- T19685, A Novel Nonlinear Current Injection Technique to Reduce Miller Effects and Crosstalk in SiC MOSFETs
- T19753, A New Shielding Technique to Suppress CM EMI Noise of Power Modules
- T19758, EMI Shielding Ring Structure to Suppress Near-Field and Radiated EMI of Power Modules

Patent(s) Issued:

- T18021, Multi-Level Battery Systems For Battery-Operated Entities, Methods For Rapid Charge Transfer Therebetween, And Methods For Optimizing Entity Routing And Network Charge Distribution
 - ORD/UTIL
 - 12,049,151
 - 7/30/2024

Yunong Wang

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19721, Ultimately Scaled Trampoline Optomechanical Resonator Pixels
- and Arrays for Ultrasensitive Infrared Detection

Ronald Wilson

EG-ELECTRICAL / COMPUTER ENG

Patent(s) Issued:

- T18305, Knowledge-Based Object Localization in Images for Images for Hardware Assurance
 - ORD/UTIL
 - 12,100,131
 - 9/24/2024

Damon Woodard

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19856, LS-OGD: A Lyapunov-Stable Control Framework for Multimodal Adaptation to Concept Drift
- T19879, Logic-Based Networks to Accelerate Basecalling With Field Programmable Gate Arrays in Bioinformatics

Optioned:

- A21314, Hardware Trojan Scanner

Licensed:

- A21196, Exclusive License, PCB Optical Database

Patent(s) Issued:

- T18305, Knowledge-Based Object Localization in Images for Images for Hardware Assurance
 - ORD/UTIL
 - 12,100,131
 - 9/24/2024

Stephen Wormald

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19879, Logic-Based Networks to Accelerate Basecalling With Field Programmable Gate Arrays in Bioinformatics

Jiaming Wu

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19895, QuEST: Quantitative Entropy Based Security and Trojan Detection Framework for Confidentiality Verification

Tongyao Wu

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19629, Fast Tunable Laser Using Transverse Cavity Surface Emitting Laser Near Exceptional Point
- T19801, Dual-Input Electro-Optic Modulator With Ultralow Energy Consumption for Monolithic Integrated Photonics

Chengjie Xi

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19544, Fault-Marking: Defect-Pattern Leveraged Inherent Fingerprinting of Advanced IC Package With Thermo-reflectance Imaging

Jie Xu

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19827, Systems and Methods for Personalized Federated Fine-Tuning Using Adaptive Local Training and Shared Knowledge Integration

Hanbo Yang

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19516, Identification of Lightning Strikes to Tall Objects such as Towers and Power Lines Using Machine Learning

Hangbo Yang

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Disclosed:

- T19568, Vertical and Lateral Optical Three Dimensional Interconnect Fabric
- T19613, Hollow Core Vertical Waveguides With Ultra-Low Insertion Loss and Crosstalk for 3D Photonic Routing Fabrics
- T19617, Integrated Photonic Fourier Lens for Convolutional Neural Networks
- T19647, Heterogeneous In-package Photonic Engine Platform for Extreme AI (HIPER-X)
- T19666, Integrated Photonic 4F System for on Chip Convolution Operations

Kang Yang

EG-ELECTRICAL / COMPUTER ENG

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- T19803, A Generalized AI Toolbox for Unsupervised Video Anomaly Detection
- T19735, Vision-Based AI to Clean Demonstration Videos Without Any Supervision

Yirui Yang

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- T19685, A Novel Nonlinear Current Injection Technique to Reduce Miller Effects and Crosstalk in SiC MOSFETs
- T19753, A New Shielding Technique to Suppress CM EMI Noise of Power Modules
- T19758, EMI Shielding Ring Structure to Suppress Near-Field and Radiated EMI of Power Modules

Jiachi Ye

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19483, High Speed Optical Neural Network Hardware Accelerator Using Adiabatic Elimination-Based ITO Optical Logic Gates
- T19823, Orbital Angular Momentum Demultiplexing Using Hybrid Fourier Phase Shift Neural Network

Yong Yoon

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19775, CMP (Chemical Mechanical Polishing)-Enabled Manufacturing Process for High-Frequency Metaconductor Devices
- T19781, Machine Learning-Based Microwave System for Human Abdominal Body Composition Measurement in the 300 MHz to 1 GHz Frequency Range
- T19845, MRI Compatible Multifunctional Neural Probe System

Patent(s) Issued:

- T17792, Combined Electrochemical pH/Phosphate Sensor
 - ORD/UTIL
 - 12,270,779
 - 4/8/2025
- T18070, Smart Pseudo-Palate For Linguistic and Biomedical Applications
 - ORD/UTIL
 - 12,290,378
 - 5/6/2025
- T18482, Parallely and Diagonally Placed Meander-Line Slot Resonators for Mutual Coupling Reduction
 - ORD/UTIL
 - 12,300,884
 - 5/13/2025

S M Enamul Hoque Yousuf

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19721, Ultimately Scaled Trampoline Optomechanical Resonator Pixels
- and Arrays for Ultrasensitive Infrared Detection

Yuyang Zhang

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- T19735, Vision-Based AI to Clean Demonstration Videos Without Any Supervision
- T19803, A Generalized AI Toolbox for Unsupervised Video Anomaly Detection

Zhongzheng Zhang

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

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- T19803, A Generalized AI Toolbox for Unsupervised Video Anomaly Detection

Jingbo Zhou

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19791, Secure Test Process for Advanced Packaging Assisted Heterogeneous Integrated Microelectronic Devices

Yang Zhou

EG-ELECTRICAL / COMPUTER ENG

Disclosed:

- T19735, Vision-Based AI to Clean Demonstration Videos Without Any Supervision
- T19803, A Generalized AI Toolbox for Unsupervised Video Anomaly Detection

Engineering School of Sustainable Infrastructure and Environment

Joseph Esposito

EG-ENG SCH SUSTAIN INFRST ENV

Patent(s) Issued:

- T18350, In Situ Measurement Station for Monitoring Wind and Water Properties in Extreme Hydrodynamic Conditions
 - ORD/UTIL
 - 12,292,545
 - 5/6/2025

Christopher Ferraro

EG-ENG SCH SUSTAIN INFRST ENV

Patent(s) Issued:

- T16064, Waste to Energy Ash and Engineered Aggregate in Road Construction
 - CON
 - 12,091,827
 - 9/17/2024
- T18350, In Situ Measurement Station for Monitoring Wind and Water Properties in Extreme Hydrodynamic Conditions
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 - 12,292,545
 - 5/6/2025
- T18398, In Situ Measurement Station for Monitoring Wind and Water Properties in Extreme Hydrodynamic Conditions
 - CON
 - 12,228,697
 - 2/18/2025

Shuai Li

EG-ENG SCH SUSTAIN INFRST ENV

Disclosed:

- T19763, Robotic AI Agent for Construction Guidance, Monitoring, and Documentation

Wei-Ting Lu

EG-ENG SCH SUSTAIN INFRST ENV

Patent(s) Issued:

- T18350, In Situ Measurement Station for Monitoring Wind and Water Properties in Extreme Hydrodynamic Conditions
 - ORD/UTIL
 - 12,292,545
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- T18398, In Situ Measurement Station for Monitoring Wind and Water Properties in Extreme Hydrodynamic Conditions
 - CON
 - 12,228,697
 - 2/18/2025

Brian Phillips

EG-ENG SCH SUSTAIN INFRST ENV

Disclosed:

- T19517, FORTRESS: Field Observatory for Rain Trials in Extreme Storm Systems

Licensed:

- A21139, Exclusive License, FORTRESS: Field Observatory for Rain Trials in Extreme Storm Systems

Patent(s) Issued:

- T18350, In Situ Measurement Station for Monitoring Wind and Water Properties in Extreme Hydrodynamic Conditions
 - ORD/UTIL
 - 12,292,545
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- T18398, In Situ Measurement Station for Monitoring Wind and Water Properties in Extreme Hydrodynamic Conditions
 - CON
 - 12,228,697
 - 2/18/2025

Michael Rodgers

EG-ENG SCH SUSTAIN INFRST ENV

Disclosed:

- T19905, Dynamic Multi-Source Cryptographic Key Evolution System and Method With Dual-Layer Forward Secrecy and Quantum Resistance

John Sansalone

EG-ENG SCH SUSTAIN INFRST ENV

Disclosed:

- T19885, DeepXtorm: A CFD-ML Model for Optimization of Stormwater Unit Operation and Process Treatment Systems

Khiem Tran

EG-ENG SCH SUSTAIN INFRST ENV

Disclosed:

- T19904, Drilled Shafts Imaging With Ultrasonic Waveform Tomography

Mengjun Wang

EG-ENG SCH SUSTAIN INFRST ENV

Disclosed:

- T19763, Robotic AI Agent for Construction Guidance, Monitoring, and Documentation

Isaac Yu

EG-ENG SCH SUSTAIN INFRST ENV

Disclosed:

- T19484, Polarization-Selective Photodetector Based on Topological Insulator

Engineering Administration

Richard Hayes

EG-ENGINEERING ADMINISTRATION

Disclosed:

- T19571, Alert Intelligence: Converting Analog Sounds to Digital Alerts
- T19572, Fine-Tuned Large Language Model (LLM) for Online Text Threat Detection

Erik Sander

EG-ENGINEERING ADMINISTRATION

Disclosed:

- T19784, AI Tool to Identify Essential Skills and Knowledge for the Jobs of the Future

Engineering Education

Ashish Aggarwal

EG-ENGINEERING EDUCATION

Disclosed:

- T19852, Cipher - Your Personal Learning Assistant
- T19854, EduThemes – AI-Assisted Thematic Analysis Tool for Educators to Code and Analyze Student Response Data at Scale
- T19855, Livelearn: Canvas-Native Live Polling for Seamless Student Engagement
- T19873, Kaizen: Feedback That Fuels Continuous Improvement

Edwin Marte Zorrilla

EG-ENGINEERING EDUCATION

Disclosed:

- T19575, Method and System for Data Processing for Multimodal Measurements

Dylan Tallon

EG-ENGINEERING EDUCATION

Disclosed:

- T19855, Livelearn: Canvas-Native Live Polling for Seamless Student Engagement

Aeyzechiah Vasquez

EG-ENGINEERING EDUCATION

Disclosed:

- T19873, Kaizen: Feedback That Fuels Continuous Improvement

Idalis Villanueva Alarcón

EG-ENGINEERING EDUCATION

Disclosed:

- T19575, Method and System for Data Processing for Multimodal Measurements
- T19784, AI Tool to Identify Essential Skills and Knowledge for the Jobs of the Future

Environmental Engineering Science

Michael Annable

EG-ENVIRONMENTAL ENGINEER SCI

Patent(s) Issued:

- T18101, Treating Per- and Poly-Fluoroalkyl Substances in Landfill Leachate
 - ORD/UTIL
 - 12,312,255

Brian Quinn

EG-ENVIRONMENTAL ENGINEER SCI

Licensed:

- A21170, Exclusive License, Attractants for Insects Such as Flies

Timothy Townsend

EG-ENVIRONMENTAL ENGINEER SCI

Patent(s) Issued:

- T16064, Waste to Energy Ash and Engineered Aggregate in Road Construction
 - CON
 - 12,091,827
 - 9/17/2024
- T18101, Treating Per- and Poly-Fluoroalkyl Substances in Landfill Leachate
 - ORD/UTIL
 - 12,312,255
 - 5/27/2025

Industrial & Systems Engineering

Yao Hou

EG-INDUSTRIAL - SYSTEMS ENG

Disclosed:

- T19588, Machine Learning Model to Predict Necrotizing Enterocolitis in Preterm Infants

Materials Science and Engineering

Per Andreas Enqvist

EG-MATERIALS SCI ENGINEERING

Patent(s) Issued:

- T17683, Systems and Methods for Detecting Sources of Particle Emissions
 - ORD/UTIL
 - 12,313,797
 - 5/27/2025

Rachel Garner

EG-MATERIALS SCI ENGINEERING

Disclosed:

- T19590, Development of a Novel Strategy to Improve the Stability and Self-Life of Blood Products

Jason Gibson

EG-MATERIALS SCI ENGINEERING

Disclosed:

- T19639, AI Accelerated Workflow for Superconductors Discovery

Optioned:

- A21296, AI Accelerated Workflow for Superconductors Discovery

Richard Hennig

EG-MATERIALS SCI ENGINEERING

Disclosed:

- T19639, AI Accelerated Workflow for Superconductors Discovery

Optioned:

- A21296, AI Accelerated Workflow for Superconductors Discovery

Peter Ifju

EG-MATERIALS SCI ENGINEERING

Disclosed:

- T19747, Micro-Aerosub

Byoung-Sam Kang

EG-MATERIALS SCI ENGINEERING

Optioned:

- A21236, Methods and Devices for Detecting Glucose in Exhaled Breath

Ruochen Liu

EG-MATERIALS SCI ENGINEERING

Patent(s) Issued:

- T17046, Chromogenic Materials, Methods of Making Chromogenic Materials and Methods of Use
 - ORD/UTIL
 - 12,258,470
 - 3/25/2025

Ryan Need

EG-MATERIALS SCI ENGINEERING

Licensed:

- A21132, Non-Exclusive License, SRC 2021-HW-3063, Enhancing Hardware Security for Advanced Packaging Through Externally Activated Nanoelectromechanical Systems (NEMS)

Juan Nino

EG-MATERIALS SCI ENGINEERING

Patent(s) Issued:

- T16314, Learning Algorithms for Oscillatory Memristive Neuromorphic Circuits
 - ORD/UTIL
 - 12,198,044
 - 1/14/2025

Stephen Pearton

EG-MATERIALS SCI ENGINEERING

Disclosed:

- T19764, Ultra-Smooth Single-Crystal Diamond Surfaces by Extended Ozone Exposure

Optioned:

- A21236, Methods and Devices for Detecting Glucose in Exhaled Breath

Nancy Ruzycki

EG-MATERIALS SCI ENGINEERING

Patent(s) Issued:

- T18001, Magnetic Stereolithography Print Head, Stereolithography Printer, and Method of Stereolithography Printing
 - ORD/UTIL
 - 12,304,145
 - 5/20/2025

Keon Sahebkar

EG-MATERIALS SCI ENGINEERING

Licensed:

- A21132, Non-Exclusive License, SRC 2021-HW-3063, Enhancing Hardware Security for Advanced Packaging Through Externally Activated Nanoelectromechanical Systems (NEMS)

Gary Scheiffele

EG-MATERIALS SCI ENGINEERING

Patent(s) Issued:

- T17351, Methods and Compositions for Minimizing X-Ray Scattering Artifacts
 - CON
 - 12,176,123
 - 12/24/2024

Abbiy Telahun

EG-MATERIALS SCI ENGINEERING

Patent(s) Issued:

- T18001, Magnetic Stereolithography Print Head, Stereolithography Printer, and Method of Stereolithography Printing
 - ORD/UTIL
 - 12,304,145
 - 5/20/2025

Adrienne Widener

EG-MATERIALS SCI ENGINEERING

Disclosed:

- T19515, Anti-CD3 Granular Hydrogel for Immune Protection of Cell Therapies

McTrans Center

Ehsan Amini

EG-MCTTRANS

Disclosed:

- T19645, Intersection Turning Movement Data Exchange (TRD-X)

Mechanical and Aerospace Engineering

Brendon Allen

EG-MECHANICAL / AEROSPACE ENG

Patent(s) Issued:

- T18229, Method, Apparatus, and System for Teleoperated, Motorized Rehabilitative Cycling
 - ORD/UTIL
 - 12,213,929
 - 2/4/2025

Thomas Angelini

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19870, Thermo-Transitioning Core-Shell Microgels Combine Cohesive Reinforcement and Non-Cohesive Reconfigurability to Enable 3D Bioprinting and Stabilize Tissues During Incubation

Licensed:

- A21088, Exclusive Limited License, A 3D Printing Technique Using Yield Stress Materials as Support

Patent(s) Issued:

- T15862, Lubricious Structures, Methods of Making Them, and Methods of Use
 - CON
 - 12,258,467
 - 3/25/2025

Scott Banks

EG-MECHANICAL / AEROSPACE ENG

Optioned:

- A21276, Equine Medial Unicompartmental Arthroplasty
- A21277, Large Animal Robotic Radiographic System

Rohit Bhagwat

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19729, Ultra-Low-Pressure Ratio Suction Dryer With Internal Heat Recycling

Wenxuan Chai

EG-MECHANICAL / AEROSPACE ENG

Patent(s) Issued:

- T17610, Cross-Linkable Microgel Composite Matrix Bath For Embedded Bioprinting Of Perfusable Tissue Constructs
 - CON
 - 12,318,996
 - 6/3/2025

Kangfu Chen

EG-MECHANICAL / AEROSPACE ENG

Patent(s) Issued:

- T17447, Lateral Filter Array Microfluidic Device
 - ORD/UTIL
 - 12,297,417
 - 5/13/2025

Christian DesFosses

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19574, Millipede Split Hopkinson Pressure Bar Boundary Condition Strategy Utilizing Shim Stock Metal

Warren Dixon

EG-MECHANICAL / AEROSPACE ENG

Patent(s) Issued:

- T18229, Method, Apparatus, and System for Teleoperated, Motorized Rehabilitative Cycling
 - ORD/UTIL
 - 12,213,929
 - 2/4/2025

Hugh Fan

EG-MECHANICAL / AEROSPACE ENG

Patent(s) Issued:

- T17387, Apparatus and Method for Performing Microorganism Detection
 - ORD/UTIL
 - 12,071,610
 - 8/27/2024
- T17447, Lateral Filter Array Microfluidic Device
 - ORD/UTIL
 - 12,297,417
 - 5/13/2025

Ja'Rell Felix

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19747, Micro-Aerosub

Hitomi Greenslet

EG-MECHANICAL / AEROSPACE ENG

Optioned:

- A20954, Protocol of Image-Based Bone Density and Dimensional Measurements using Computed Tomography (CT)

Licensed:

- A21238, Exclusive License, Protocol of Image-Based Bone Density and Dimensional Measurements Using Computed Tomography (CT)

Adisa Harding

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19727, Moochanics Dual Flow Continuous Culture (DFCC)

Shan He

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19726, Mechanical Neural Network Using Vibrating Nonlinear Metamaterials

Yong Huang

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Optioned:

- A20954, Protocol of Image-Based Bone Density and Dimensional Measurements using Computed Tomography (CT)

Licensed:

- A21238, Exclusive License, Protocol of Image-Based Bone Density and Dimensional Measurements Using Computed Tomography (CT)

Patent(s) Issued:

- T17601, Methods And Apparatuses For Freeform Additive Manufacturing Of Engineering Polymers
 - DIV
 - 12,280,535
 - 4/22/2025
- T17610, Cross-Linkable Microgel Composite Matrix Bath For Embedded Bioprinting Of Perfusable Tissue Constructs
 - CON
 - 12,318,996
 - 6/3/2025

Xiao Jiang

EG-MECHANICAL / AEROSPACE ENG

Patent(s) Issued:

- T17387, Apparatus and Method for Performing Microorganism Detection
 - ORD/UTIL
 - 12,071,610
 - 8/27/2024

William Lear

EG-MECHANICAL / AEROSPACE ENG

Patent(s) Issued:

- T18292, Gas Turbine Inlet Cooling for Constant Power Output
 - ORD/UTIL
 - 12,338,767
 - 6/24/2025

Garrett Leath

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19727, Moochanics Dual Flow Continuous Culture (DFCC)

Valerie Lewis

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19580, MilliStriker

Yunshen Li

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19751, Photothermal Recycling Biosensing for Continual, Ultrasensitive Molecular Quantification

Anissa Mansouri

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19727, Moochanics Dual Flow Continuous Culture (DFCC)

Dylan McCord

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19632, Sulfur Redox Cycling for Lower Temperature Thermochemical H₂ Production

Renwei Mei

EG-MECHANICAL / AEROSPACE ENG

Patent(s) Issued:

- T17163, Porous Stabilized Beds, Methods of Manufacture Thereof and Articles Comprising the Same
 - CON
 - 12,119,148
 - 10/15/2024

Saeed Moghaddam

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19704, Formation Of Ultra-Thin Liquid Films Within Microstructures and Cooling Methods for High-Power-Density Electronics
- T19729, Ultra-Low-Pressure Ratio Suction Dryer With Internal Heat Recycling

Kamran Mohseni

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19773, Enhancing Visual Object Tracking With Modified Kalman Filter Structure

Stephanie Moore

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19704, Formation Of Ultra-Thin Liquid Films Within Microstructures and Cooling Methods for High-Power-Density Electronics

Patrick Musgrave

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19726, Mechanical Neural Network Using Vibrating Nonlinear Metamaterials

Jing Pan

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19751, Photothermal Recycling Biosensing for Continual, Ultrasensitive Molecular Quantification

Chadi Rachid

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Disclosed:

- T19727, Moochanics Dual Flow Continuous Culture (DFCC)

Jose Ramos

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19628, Rapid Mapping System

Shannon Ridgeway

EG-MECHANICAL / AEROSPACE ENG

Optioned:

- A21277, Large Animal Robotic Radiographic System

Subrata Roy

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19597, Compact Multimode Thruster (CMT)

Malisa Sarntinoranont

EG-MECHANICAL / AEROSPACE ENG

Patent(s) Issued:

- T16444, Bioresorbable Metal Alloy and Implants
 - CON
 - 12,121,627
 - 10/22/2024

Jonathan Scheffe

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19632, Sulfur Redox Cycling for Lower Temperature Thermochemical H₂ Production

Kimberly Stubbs

EG-MECHANICAL / AEROSPACE ENG

Patent(s) Issued:

- T18229, Method, Apparatus, and System for Teleoperated, Motorized Rehabilitative Cycling
 - ORD/UTIL
 - 12,213,929
 - 2/4/2025

Ghatu Subhash

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19821, Superhard Materials

Ninoshka Sutcliffe

EG-MECHANICAL / AEROSPACE ENG

Optioned:

- A21276, Equine Medial Unicompartmental Arthroplasty

Yongchen Tai

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19751, Photothermal Recycling Biosensing for Continual, Ultrasensitive Molecular Quantification

Curtis Taylor

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19565, Chromogenic Photonic Crystal Sensors, Methods of Making, and Methods of Uses
- T19784, AI Tool to Identify Essential Skills and Knowledge for the Jobs of the Future

Patent(s) Issued:

- T17046, Chromogenic Materials, Methods of Making Chromogenic Materials and Methods of Use
 - ORD/UTIL
 - 12,258,470
 - 3/25/2025

Matthew Traum

EG-MECHANICAL / AEROSPACE ENG

Disclosed:

- T19727, Moochanics Dual Flow Continuous Culture (DFCC)

Dane Ungurait

EG-MECHANICAL / AEROSPACE ENG

Optioned:

- A20954, Protocol of Image-Based Bone Density and Dimensional Measurements using Computed Tomography (CT)

Licensed:

- A21238, Exclusive License, Protocol of Image-Based Bone Density and Dimensional Measurements Using Computed Tomography (CT)

Chuanshen Zhou

EG-MECHANICAL / AEROSPACE ENG

Optioned:

- A20954, Protocol of Image-Based Bone Density and Dimensional Measurements using Computed Tomography (CT)

Licensed:

- A21238, Exclusive License, Protocol of Image-Based Bone Density and Dimensional Measurements Using Computed Tomography (CT)

Research & Engineering Educational Facility

Jared Paquet

EG-RES & ENG EDUC FACIL (REEF)

Disclosed:

- T19628, Rapid Mapping System

The Herbert Wertheim UF Scripps Institute for Biomedical Innovation and Technology



The Wertheim UF Scripps Institute

Chantal Bader

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00397, Molecules With Anti-Plasmodial Activities and Methods of Use

Thomas Bannister

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00400, Release Selective Agonists of the Mu Opioid Receptor (MOR)
- S-T00404, Small Molecule Inhibitors of SARS Coronavirus Helicases

Laura Bohn

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00399, Discovery of a Mechanism of G Protein Couple Receptor Signaling
- S-T00400, Release Selective Agonists of the Mu Opioid Receptor (MOR)
- S-T00401, Update Related to S-T00364 KOR Agonists From GB18

Jessica Childs-Disney

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00403, A Live-Cell NanoBRET Assay to Monitor RNA-Protein Interactions and Their Inhibition by Small Molecules

Vuong Dang

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00401, Update Related to S-T00364 KOR Agonists From GB18

Matthew Disney

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00396, Identification of Small Molecule Binding Sites in RNA Targets by Using a Fragment Analyzer and Nanopore Sequencing
- S-T00403, A Live-Cell NanoBRET Assay to Monitor RNA–Protein Interactions and Their Inhibition by Small Molecules

Patrick Griffin

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Patent(s) Issued:

- S-T00015, Nonmuscle Myosin II Inhibitors
 - CON
 - 12,338,240
 - 6/24/2025

WeiJun Gui

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00395, A Screening Platform for The Discovery of Molecular Glue Degraders From DNA-Encoded Libraries

Theodore Kamenecka

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Patent(s) Issued:

- S-T00015, Nonmuscle Myosin II Inhibitors
 - CON
 - 12,338,240
 - 6/24/2025

Nicole Kennedy

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00400, Release Selective Agonists of the Mu Opioid Receptor (MOR)

Thomas Kodadek

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00394, Proximity Catalysis for the Solid-Phase Synthesis of Peptides
- S-T00395, A Screening Platform for The Discovery of Molecular Glue Degraders From DNA-Encoded Libraries

Heng Li

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00407, Progranulin as A Therapeutic Agent For Fragile X Syndrome And Autism

Kirill Martemyanov

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Optioned:

- S-A00162, Small Molecule Modulators of GPR139 Complex

Patent(s) Issued:

- S-T00003, Methods Related to Opioid Therapeutics
 - DIV
 - 12,303,511
 - 5/20/2025
- S-T00003, Methods Related to Opioid Therapeutics
 - ORD/UTIL
 - 12,042,496
 - 7/23/2024

Courtney Miller

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Patent(s) Issued:

- S-T00015, Nonmuscle Myosin II Inhibitors
 - CON
 - 12,338,240
 - 6/24/2025

Kendall Nettles

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00402, Vamorolone Composition to Treat Infants With Bronchopulmonary Dysplasia

Yuka Otsuka

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00398, Small Molecule Inhibitors of Lassa Virus

Laszlo Radnai

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Patent(s) Issued:

- S-T00015, Nonmuscle Myosin II Inhibitors
 - CON
 - 12,338,240
 - 6/24/2025

Gavin Rumbaugh

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Patent(s) Issued:

- S-T00015, Nonmuscle Myosin II Inhibitors
 - CON
 - 12,338,240
 - 6/24/2025

Louis Scampavia

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00389, The Herbert Wertheim UF Scripps High-Throughput Screening Center Know-How Disclosure
- S-T00398, Small Molecule Inhibitors of Lassa Virus
- S-T00390, Small Molecule Inhibitors of phosphorylated TAU Aggregation
- S-T00405, Novel Chemotypes for Treating Parasitic Diseases and Methods of Use-SMP-TRP Agonists as Anti-parasitic Agents
- S-T00391, Biological Material: High Grade Brain Tumors (GBMs) and Metastatic Melanomas

Optioned:

- S-A00162, Small Molecule Modulators of GPR139 Complex

Timothy Scampavia

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00390, Small Molecule Inhibitors of Phosphorylated TAU Aggregation
- S-T00405, Novel Chemotypes for Treating Parasitic Diseases and Methods of Use-SMP-TRP Agonists as Anti-parasitic Agents

Ben Shen

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00392, The Natural Products Library at NPDC as Biological Materials
- S-T00393, The Actinobacteria Strains at NPDC as Biological Materials
- S-T00397, Molecules With Anti-Plasmodial Activities and Methods of Use

Optioned:

- S-A00160, The Actinobacteria Strains at NPDC as Biological Materials
- S-A00163, The Actinobacteria Strains at NPDC as Biological Materials
- S-A00164, The Actinobacteria Strains at NPDC as Biological Materials - 120529

Timothy Spicer

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00389, The Herbert Wertheim UF Scripps High-Throughput Screening Center Know-How Disclosure
- S-T00398, Small Molecule Inhibitors of Lassa Virus
- S-T00391, Biological Material: High Grade Brain Tumors (GBMs) and Metastatic Melanomas

Edward Stahl

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00399, Discovery of a Mechanism of G Protein Couple Receptor Signaling
- S-T00400, Release Selective Agonists of the Mu Opioid Receptor (MOR)

Chao Wang

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00404, Small Molecule Inhibitors of SARS Coronavirus Helicases

Baoji Xu

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00407, Progranulin as A Therapeutic Agent For Fragile X Syndrome And Autism

Lizhou Zhang

SR-THE WERTHEIM UF SCRIPPS INSTITUTE

Disclosed:

- S-T00398, Small Molecule Inhibitors of Lassa Virus

Health and Human Performance

Applied Physiology and Kinesiology

Elisabeth Barton

HH-APPLIED PHYSIO/KINESIOLOGY

Disclosed:

- T19553, Skeletal Muscle Targeted Insulin-Like Growth Factor I

Optioned:

- A21162, Skeletal Muscle Targeted Insulin-Like Growth Factor I

Licensed:

- A21273, Exclusive License, Skeletal Muscle Targeted Insulin-Like Growth Factor I

Garrett Beatty

HH-APPLIED PHYSIO/KINESIOLOGY

Disclosed:

- T19756, Digital Twin Modelling for Human Performance Optimization

Evangelos Christou

HH-APPLIED PHYSIO/KINESIOLOGY

Disclosed:

- T19596, Voice Control Application

Jesse DeSimone

HH-APPLIED PHYSIO/KINESIOLOGY

Disclosed:

- T19826, Automated Neurodegeneration Index for Neurological Disease

Diego Guarin

HH-APPLIED PHYSIO/KINESIOLOGY

Disclosed:

- T19560, Home-Based Quantification of Motor Symptoms in Neurological Disorders Using Visual Feedback

Nichole Scaglione Palchick

HH-APPLIED PHYSIO/KINESIOLOGY

Disclosed:

- T19510, uSafeUS App Expansion (uSafeUS+)

David Vaillancourt

HH-APPLIED PHYSIO/KINESIOLOGY

Disclosed:

- T19826, Automated Neurodegeneration Index for Neurological Disease

Licensed:

- A21148, Exclusive License, Imaging Biomarker for Dementia

Lan Wei-LaPierre

HH-APPLIED PHYSIO/KINESIOLOGY

Disclosed:

- T19549, Using Reduction of Mitochondrial Calcium Uptake to Treat Amyotrophic Lateral Sclerosis and Neuromuscular Conditions

Basma Yacoubi Keyhani

HH-APPLIED PHYSIO/KINESIOLOGY

Disclosed:

- T19596, Voice Control Application

Renjia Zhong

HH-APPLIED PHYSIO/KINESIOLOGY

Disclosed:

- T19549, Using Reduction of Mitochondrial Calcium Uptake to Treat Amyotrophic Lateral Sclerosis and Neuromuscular Conditions

College of Public Health and Health Professions



Biostatistics

Myles Joshua Tan

HP-EPI/BIOSTATISTIC DEPARTMENT

Disclosed:

- T19781, Machine Learning-Based Microwave System for Human Abdominal Body Composition Measurement in the 300 MHz to 1 GHz Frequency Range

Clinical and Health Psychology

Rebecca Greenberg

HP-CLINICAL / HLTH PSYCHOLOGY

Disclosed:

- T19786, OCD Card Game

Joseph McNamara

HP-CLINICAL / HLTH PSYCHOLOGY

Disclosed:

- T19786, OCD Card Game

Environmental and Global Health

John Lednicky

HP-ENVIRONMENTAL GLOBAL HLTH

Patent(s) Issued:

- T17387, Apparatus and Method for Performing Microorganism Detection
 - ORD/UTIL
 - 12,071,610
 - 8/27/2024

Epidemiology

Sai Zhang

PHHP-COM EPIDEMIOLOGY

Disclosed:

- T19582, Compositions and Methods to Treat Neurological Diseases by Targeting CCDC146

Health Administration

Ashton Bowling

HP-HEALTH SERVICES ADMIN

Disclosed:

- T19796, AI Chatbot for Urgent Care Guidance

Allison Carrier

HP-HEALTH SERVICES ADMIN

Disclosed:

- T19796, AI Chatbot for Urgent Care Guidance

Frederick Kates

HP-HEALTH SERVICES ADMIN

Disclosed:

- T19796, AI Chatbot for Urgent Care Guidance

Grace Stoker

HP-HEALTH SERVICES ADMIN

Disclosed:

- T19796, AI Chatbot for Urgent Care Guidance

Sofia Triana

HP-HEALTH SERVICES ADMIN

Disclosed:

- T19796, AI Chatbot for Urgent Care Guidance

Occupational Therapy

Sara Eisman

HP-OCCUPATIONAL THERAPY

Disclosed:

- T19530, Vocational Training Materials for Individuals With Intellectual and Developmental Disabilities

Jessica Kramer

HP-OCCUPATIONAL THERAPY

Disclosed:

- T19665, Person Experiences Interview Survey (PEIS)

Hongwu Wang

HP-OCCUPATIONAL THERAPY

Disclosed:

- T19534, Multi-Sensory Pen for Developing Handwriting Skills
- T19771, AI-Personalized Recommendations and Hands-On Smart Home Technology Training

Chien-Te Wu

HP-OCCUPATIONAL THERAPY

Disclosed:

- T19829, A Novel Cognitive-Motor Approach to Evaluate Cognitive Flexibility - Dynamic Trail Test (DTT)

Physical Therapy

Daryl Fields

HP-PHYSICAL THERAPY

Disclosed:

- T19674, Neuroprosthetic for Breathing Control in Paralyzed Patients

Russell Hepple

HP-PHYSICAL THERAPY

Disclosed:

- T19578, Mitochondrial Permeability Transition as a Therapeutic Target for Multiple Adverse Skeletal Muscle Phenotypes With Aging and Age-related Disease

Speech, Language and Hearing Sciences

Lori Altmann

HP-SLP LANG & HEARING SCI

Patent(s) Issued:

- T18070, Smart Pseudo-Palate For Linguistic and Biomedical Applications
 - ORD/UTIL
 - 12,290,378
 - 5/6/2025

Tracy Centanni

HP-SLP LANG & HEARING SCI

Disclosed:

- T19564, Non-Invasive Vagus Nerve Stimulation for Speech, Language, and Reading

Information Technology

Center for Instructional Technology and Training

Paul Muszynski

IT-AT ACADEMIC TECHNOLOGY

Disclosed:

- T19581, Astreaus Rupertus

Data Platform & Analytics

Theodore Charts

IT-DATA PLATFORM & ANALYTICS

Disclosed:

- T19737, Instructor Job Aid

Thomas Domas

IT-DATA PLATFORM & ANALYTICS

Disclosed:

- T19737, Instructor Job Aid

Jim Freymann

IT-DATA PLATFORM & ANALYTICS

Disclosed:

- T19737, Instructor Job Aid

James Martinez

IT-DATA PLATFORM & ANALYTICS

Disclosed:

- T19737, Instructor Job Aid

Andrew McDonald

IT-DATA PLATFORM & ANALYTICS

Disclosed:

- T19737, Instructor Job Aid

Joseph Riordan

IT-DATA PLATFORM & ANALYTICS

Disclosed:

- T19737, Instructor Job Aid

Research Computing

Yunchao Yang

IT-RESEARCH COMPUTING

Disclosed:

- T19601, Software for Tooth Volume Calculations

College of Medicine – Jacksonville

Surgery

Wendy Ashby

JX-SURGERY-JACKSONVILLE

Patent(s) Issued:

- T17730, Multi-Functional Surgical Instrument
 - ORD/UTIL
 - 12,167,846
 - 12/17/20
 - 24

John Murray

JX-SURGERY-JACKSONVILLE

Patent(s) Issued:

- T17292, Paramagnetic Immunobeads for the Isolation of Human Adipose-Derived Stem Cells
 - ORD/UTIL
 - 12,270,808
 - 4/8/2025
- T17730, Multi-Functional Surgical Instrument
 - ORD/UTIL
 - 12,167,846
 - 12/17/2024

College of Liberal Arts and Sciences



Chemistry

Clifford Bowers

LS-CHEMISTRY

Disclosed:

- T19498, Systems and Methods for The Continuous-Flow Generation of Hyperpolarized Materials

Patent(s) Issued:

- T16990, Methods and Systems for Producing, Using, and Administering Hyperpolarized Fluids
 - ORD/UTIL
 - 12,178,891
 - 12/31/2024

Jared Bowman

LS-CHEMISTRY

Disclosed:

- T19868, Depolymerization Etching Polymerization-Induced Microphase Separations

Yunwei Cao

LS-CHEMISTRY

Patent(s) Issued:

- T17408, RNA Silencing Nanozymes
 - ORD/UTIL
 - 12,116,603
 - 10/15/2024

Ronald Castellano

LS-CHEMISTRY

Patent(s) Issued:

- T17401, Novel Small Molecule Anticancer Agents, Combinations and Uses Thereof
 - ORD/UTIL
 - 12,030,864
 - 7/9/2024

Michael Christopher

LS-CHEMISTRY

Disclosed:

- T19561, Paper Functionalized With Ascorbic Acid for Dried Blood Spot Collection and Preservation
- T19648, High-Throughput Multi-Well Miniaturized Foam Fractionation System and Method for Efficient Separation of Surface-Active Compounds

George Christou

LS-CHEMISTRY

Disclosed:

- T19539, Synthesis, Composition, and Antiproliferative Activity of Molecular Nanoparticles of Cerium Dioxide against Human Breast Adenocarcinoma Cells

Patent(s) Issued:

- T16373, Compositions and Methods Relating to Molecular Cerium-Oxide Nanoclusters
 - CON
 - 12,303,870
 - 5/20/2025

Ani Davis

LS-CHEMISTRY

Disclosed:

- T19774, Rapid Cathodic Coloration in Solution-Processable Electrochromic Polymers of Intrinsic Microporosity

Cabell Eades

LS-CHEMISTRY

Disclosed:

- T19868, Depolymerization Etching Polymerization-Induced Microphase Separations

Austin Evans

LS-CHEMISTRY

Disclosed:

- T19488, Chemical Recycling of Plastics
- T19503, High Molecular Weight Polyolefins by Slurry Acyclic Diene Metathesis Polymerization
- T19774, Rapid Cathodic Coloration in Solution-Processable Electrochromic Polymers of Intrinsic Microporosity

Elizabeth Flammer

LS-CHEMISTRY

Disclosed:

- T19907, maxiM/Ze: A Novel Image Recognition Approach for Visualizing and Processing Mass Spectrometry Based Metabolomics Data

Mahmudul Hasan

LS-CHEMISTRY

Disclosed:

- T19774, Rapid Cathodic Coloration in Solution-Processable Electrochromic Polymers of Intrinsic Microporosity

Fan Hong

LS-CHEMISTRY

Disclosed:

- T19837, Proximity-Induced Consecutive Displacement-Based Ligation for Multiplexed and Sensitive Protein Detection

Nicole Horenstein

LS-CHEMISTRY

Patent(s) Issued:

- T18598, N,N diethyl-N'phenylpiperazine Alpha 7 and Alpha 9 Nicotinic Acetylcholine Receptor Agonists and Antagonists
 - CON
 - 12,291,501
 - 5/6/2025

Yue Hu

LS-CHEMISTRY

Disclosed:

- T19667, Developing a DNA-Based Molecular Ruler for Quantifying Steady-State Plasmon-Generated Hot Carriers
- T19836, Highly Efficient Plasmonic Nanomaterial/Metal Oxide

Megan Lott

LS-CHEMISTRY

Disclosed:

- T19868, Depolymerization Etching Polymerization-Induced Microphase Separations

Optioned:

- A20957, Batch and Flow Inverse Miniemulsion Photoiniferter Polymerization for the Synthesis of Ultra-High Molecular Weight Polymers

Joshua Marquez

LS-CHEMISTRY

Disclosed:

- T19503, High Molecular Weight Polyolefins by Slurry Acyclic Diene Metathesis Polymerization

Saryvoudh Mech

LS-CHEMISTRY

Disclosed:

- T19602, Facile Synthesis of Atomically Precise Cadmium Telluride Nanoclusters

Gina Pedro

LS-CHEMISTRY

Disclosed:

- T19712, Low Molecular Weight and Narrowly Disperse Cyclic Polyolefins

Rupam Roy

LS-CHEMISTRY

Disclosed:

- T19774, Rapid Cathodic Coloration in Solution-Processable Electrochromic Polymers of Intrinsic Microporosity

Courtney Sever

LS-CHEMISTRY

Disclosed:

- T19548, Cyclic Polydicyclopentadiene

Optioned:

- A21242, Dynamically Tethered Alkylidene and Alkylidyne Complexes for Catalytic Metathesis Reactions and Polymerizations

Kaitlin Slicker

LS-CHEMISTRY

Disclosed:

- T19774, Rapid Cathodic Coloration in Solution-Processable Electrochromic Polymers of Intrinsic Microporosity

Kaden Stevens

LS-CHEMISTRY

Disclosed:

- T19868, Depolymerization Etching Polymerization-Induced Microphase Separations

Brent Sumerlin

LS-CHEMISTRY

Disclosed:

- T19835, Mucoadhesive Polymers as Microbiome Regulators and Pathogenic Barriers in the Cervicovaginal Tract
- T19868, Depolymerization Etching Polymerization-Induced Microphase Separations
- T19870, Thermo-Transitioning Core-Shell Microgels Combine Cohesive Reinforcement and Non-Cohesive Reconfigurability to Enable 3D Bioprinting and Stabilize Tissues During Incubation

Optioned:

- A20956, Ultra-High Molecular Weight Shearable-Linkage Interaction Polymers (UHMW SLIPs)
- A20957, Batch and Flow Inverse Miniemulsion Photoiniferter Polymerization for the Synthesis of Ultra-High Molecular Weight Polymers
- A20958, Mucoadhesive Polymers for Glycocalyx Modification of Epithelial Cells

Patent(s) Issued:

- T16611, Boronic Acid Monomers and Methods of Making Boronic Acid Monomers
 - DIV
 - 12,065,546
 - 8/20/2024

He Sun

LS-CHEMISTRY

Disclosed:

- T19503, High Molecular Weight Polyolefins by Slurry Acyclic Diene Metathesis Polymerization

Ariana Tamura

LS-CHEMISTRY

Disclosed:

- T19835, Mucoadhesive Polymers as Microbiome Regulators and Pathogenic Barriers in the Cervicovaginal Tract

Optioned:

- A20958, Mucoadhesive Polymers for Glycocalyx Modification of Epithelial Cells

Kiana Treaster

LS-CHEMISTRY

Disclosed:

- T19774, Rapid Cathodic Coloration in Solution-Processable Electrochromic Polymers of Intrinsic Microporosity

Adam Veige

LS-CHEMISTRY

Disclosed:

- T19548, Cyclic Polydicyclopentadiene
- T19708, Method And Compositions of Synthesizing Cyclic Polyethylene From Acetylene
- T19712, Low Molecular Weight and Narrowly Disperse Cyclic Polyolefins
- T19900, Method of Separating Propadiene From Propyne in Propene Gas Feeds

Optioned:

- A21210, Veige Catalyst Trademark
- A21241, Catalyst for Ring Expansion Metathesis Polymerization of Cyclic Monomers
- A21242, Dynamically Tethered Alkylidene and Alkylidyne Complexes for Catalytic Metathesis Reactions and Polymerizations
- A21383, Food Packaging, Water Bottle, and Plastic Material Coating Comprising a Cyclic Polymer to Prevent Nanoparticle Leaching.
- A21384, Method And Compositions of Synthesizing Cyclic Polyethylene From Acetylene

Patent(s) Issued:

- T17547, Catalysts and Methods of Polymerizing
 - ORD/UTIL
 - 12,209,162
 - 1/28/2025

Kenneth Wagener

LS-CHEMISTRY

Disclosed:

- T19488, Chemical Recycling of Plastics
- T19503, High Molecular Weight Polyolefins by Slurry Acyclic Diene Metathesis Polymerization

Patent(s) Issued:

- T17731, High Temperature Bulk Metathesis Polymerization
 - ORD/UTIL
 - 12,180,324
 - 12/31/2024

Wei Wei

LS-CHEMISTRY

Disclosed:

- T19667, Developing a DNA-Based Molecular Ruler for Quantifying Steady-State Plasmon-Generated Hot Carriers
- T19836, Highly Efficient Plasmonic Nanomaterial/Metal Oxide

Patent(s) Issued:

- T14947, Sunlight Harvesting Transparent Windows
 - CON
 - 12,088,245
 - 9/10/2024
- T16295, Light-Driven Synthesis of Plasmonic Nanoparticles and Nanomaterials
 - CON
 - 12,311,448
 - 5/27/2025

Ethan Xu

LS-CHEMISTRY

Disclosed:

- T19837, Proximity-Induced Consecutive Displacement-Based Ligation for Multiplexed and Sensitive Protein Detection

Rinku Yadav

LS-CHEMISTRY

Disclosed:

- T19708, Method And Compositions of Synthesizing Cyclic Polyethylene From Acetylene
- T19900, Method of Separating Propadiene From Propyne in Propene Gas Feeds

Optioned:

- A21384, Method And Compositions of Synthesizing Cyclic Polyethylene From Acetylene

James Young

LS-CHEMISTRY

Disclosed:

- T19868, Depolymerization Etching Polymerization-Induced Microphase Separations

Chenjie Zeng

LS-CHEMISTRY

Disclosed:

- T19602, Facile Synthesis of Atomically Precise Cadmium Telluride Nanoclusters

Yong Zeng

LS-CHEMISTRY

Disclosed:

- T19695, Colloidal-Landscaped Immuno-NanoArray for High-Throughput, Multiplexed Protein Detection and Extracellular Vesicle Profiling

Linguistics

Kevin Tang

LS-LINGUISTICS

Patent(s) Issued:

- T18070, Smart Pseudo-Palate For Linguistic and Biomedical Applications
 - ORD/UTIL
 - 12,290,378
 - 5/6/2025

Ratree Wayland

LS-LINGUISTICS

Patent(s) Issued:

- T18070, Smart Pseudo-Palate For Linguistic and Biomedical Applications
 - ORD/UTIL
 - 12,290,378
 - 5/6/2025

Physics

Peter Hirschfeld

LS-PHYSICS

Disclosed:

- T19639, AI Accelerated Workflow for Superconductors Discovery

Optioned:

- A21296, AI Accelerated Workflow for Superconductors Discovery

Gregory Stewart

LS-PHYSICS

Disclosed:

- T19821, Superhard Materials

Spanish & Portuguese studies

Crystal Marull

LS-SPANISH&PORTUGUESE STUDIES

Disclosed:

- T19664, Online Spanish Courses - The Three Pillar Model

Licensed:

- A21257, Exclusive License, Online Spanish Courses - The Three Pillar Model

College of Medicine



Aging and Geriatric research

Richard Berry

MD-AGING / GERIATRIC RESEARCH

Optioned:

- A21102, Tongue Trainer for Treatment Obstructive Sleep Apnea
- A21261, Tongue Trainer for Treatment Obstructive Sleep Apnea

Anatomy and Cell Biology

Hissah Alatawi

MD-ANATOMY

Disclosed:

- T19860, A Synthetic Lethal Strategy Targeting Ceramide Synthesis 2 and Proteasome Inhibition for Treating Triple-Negative Breast Cancer Metastasis

Daiqing Liao

MD-ANATOMY

Patent(s) Issued:

- T17034, Polypeptide Inhibitor of De Novo Lipogenesis in Cancer Cells
 - DIV
 - 12,090,189
 - 9/17/2024

Haritha Nair

MD-ANATOMY

Disclosed:

- T19860, A Synthetic Lethal Strategy Targeting Ceramide Synthesis 2 and Proteasome Inhibition for Treating Triple-Negative Breast Cancer Metastasis

Satya Narayan

MD-ANATOMY

Disclosed:

- T19860, A Synthetic Lethal Strategy Targeting Ceramide Synthesis 2 and Proteasome Inhibition for Treating Triple-Negative Breast Cancer Metastasis

Anesthesiology

Meghan Brennan

MD-ANESTHESIOLOGY

Disclosed:

- T19815, 3D Printed Cervical Collar

Francesca Enneking

MD-ANESTHESIOLOGY

Patent(s) Issued:

- T13443, Context-Sensitive Flow Interrupter and Drainage Outflow Optimization System (Continuation of T16898US001)
 - CON
 - 12,029,861
 - 7/9/2024

Nikolaus Gravenstein

MD-ANESTHESIOLOGY

Patent(s) Issued:

- T13443, Context-Sensitive Flow Interrupter and Drainage Outflow Optimization System (Continuation of T16898US001)
 - CON
 - 12,029,861
 - 7/9/2024

John Heinbockel

MD-ANESTHESIOLOGY

Disclosed:

- T19479, Intra-Oral Reflectance Pulse Oximeter for Intermittent Measurement of Patient Oxygenation

Everett Jones

MD-ANESTHESIOLOGY

Disclosed:

- T19815, 3D Printed Cervical Collar

Sanjeev Kumar

MD-ANESTHESIOLOGY

Disclosed:

- T19883, Disclosure for New Endoscopic Spinal Surgical Instrument

Samsun Lampotang

MD-ANESTHESIOLOGY

Patent(s) Issued:

- T13443, Context-Sensitive Flow Interrupter and Drainage Outflow Optimization System (Continuation of T16898US001)
 - CON
 - 12,029,861
 - 7/9/2024

David Lizdas

MD-ANESTHESIOLOGY

Patent(s) Issued:

- T13443, Context-Sensitive Flow Interrupter and Drainage Outflow Optimization System (Continuation of T16898US001)
 - CON
 - 12,029,861
 - 7/9/2024

Anatoly Martynyuk

MD-ANESTHESIOLOGY

Disclosed:

- T19623, PSMA-Based Method of Delivering Anti-Androgen Receptor Agents as Part of Androgen Deprivation Therapy

Ryan Parker

MD-ANESTHESIOLOGY

Disclosed:

- T19815, 3D Printed Cervical Collar

Soleil Schutte

MD-ANESTHESIOLOGY

Disclosed:

- T19589, Use Selective Nav1.7 Inhibitors for Regional Anesthesia

Jackson Wagoner

MD-ANESTHESIOLOGY

Disclosed:

- T19592, Endoscopic Spine Surgery Bone Removal Tool
- T19883, Disclosure for New Endoscopic Spinal Surgical Instrument

Biochemistry and Molecular Biology

Antonette Bennett

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19833, Leveraging AAV-Actin Interactions for Gene Therapy

Matthew Gentry

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19504, Transferrin Receptor Fusions Targeting Neurological Glycogen Storage Diseases
- T19585, 5xFAD, hTfR Mouse
- T19611, AAV-TfR-AEF
- T19739, Treating Ewing Sarcoma by Targeting Glycogen
- T19790, Targeting Acid Alpha-Glucosidase (GAA) for the Treatment of Glycogen-Rich Cancers

Mitchell Gulkis

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19833, Leveraging AAV-Actin Interactions for Gene Therapy

Jane Hsi

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19833, Leveraging AAV-Actin Interactions for Gene Therapy
- T19834, Insertion of Functional Domains in AAV Capsids

Jianrong Lu

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19514, Oncolytic Viral Vectors Inducing Immunogenic Cell Death for Antitumor Immunotherapy

Robert McKenna

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19833, Leveraging AAV-Actin Interactions for Gene Therapy
- T19834, Insertion of Functional Domains in AAV Capsids
- T19478, Adeno-Associated Viral Vectors For Gene Therapy

Licensed:

- A20773, Exclusive Limited License, Sequences of Plasmid pAAVr3c3 Encoding the AAV3 Rep Proteins, Sequences of Plasmid pITR3-EGFP-Neo Containing the ITRs From AAV3, and Sequences of Plasmids Encoding the Capsid Mutants

Patent(s) Issued:

- T17131, AAV Chimeras
 - CON
 - 12,163,152
 - 12/10/2024
- T17258, Methods and Compositions for Antibody-Evading Virus Vectors
 - ORD/UTIL
 - 12,281,320
 - 4/22/2025
- T14226, HIGH-TRANSDUCTION-EFFICIENCY RAAV VECTORS, COMPOSITIONS, AND METHODS OF USE
 - CON
 - 12,065,467
 - 8/20/2024

Catherine McKenzie

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19514, Oncolytic Viral Vectors Inducing Immunogenic Cell Death for Antitumor Immunotherapy

Matthew Merritt

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19769, Collaboration With Matterworks

Mario Mietzsch

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19833, Leveraging AAV-Actin Interactions for Gene Therapy
- T19834, Insertion of Functional Domains in AAV Capsids

Patent(s) Issued:

- T17131, AAV Chimeras
 - CON
 - 12,163,152
 - 12/10/2024
- T17258, Methods and Compositions for Antibody-Evading Virus Vectors
 - ORD/UTIL
 - 12,281,320
 - 4/22/2025

Peike Sheng

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19901, SPLICER for RNAi

Ramon Sun

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19504, Transferrin Receptor Fusions Targeting Neurological Glycogen Storage Diseases
- T19585, 5xFAD, hTfR Mouse
- T19611, AAV-TfR-AEF
- T19739, Treating Ewing Sarcoma by Targeting Glycogen
- T19790, Targeting Acid Alpha-Glucosidase (GAA) for the Treatment of Glycogen-Rich Cancers

Craig Vander Kooi

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19504, Transferrin Receptor Fusions Targeting Neurological Glycogen Storage Diseases
- T19611, AAV-TfR-AEF
- T19739, Treating Ewing Sarcoma by Targeting Glycogen
- T19790, Targeting Acid Alpha-Glucosidase (GAA) for the Treatment of Glycogen-Rich Cancers

Mingyi Xie

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19901, SPLICER for RNAi

Jon Zachary

MD-BIOCHEM / MOLECULAR BIOL

Disclosed:

- T19834, Insertion of Functional Domains in AAV Capsids

UF Health Cancer Center

Duane Mitchell

MD-CANCER CENTER

Disclosed:

- T19692, O.R.A.N. - Open Reading Frame Antigen Network

Optioned:

- A20996, Using Lair 1 Blockade for Cancer Immunotherapy (As Mono or Combination Therapy)

Licensed:

- A19969, Exclusive License, RNA-NPs Prime Systemic and Intratumoral Immunity With PD-L1+ Myeloid Cells
- A20973, Exclusive License, CHAMP1ON: Combinatorial Hematopoietic Stem Cell And Monoclonal Antibody PD-1 blockade Phase 1/2 “Window of Opportunity” Trial for Recurrent Glioblastoma
- A21058, Exclusive License, Pediatric High-Grade Gliomas (pHGG) and Adult Glioblastoma (GBM)
- A21059, Exclusive License, pp65 full length (fl) lysosomal associated membrane protein (LAMP) mRNA loaded DOTAP liposome vaccine administered intravenously (pp65 RNA loaded lipid particles, pp65 RNA-LPs) in combination With Autologous total tumor mRNA and pp65 full length (fl) lyso
- A21284, Non-Exclusive License, O.R.A.N. - Open Reading Frame Antigen Network

Patent(s) Issued:

- T15810, Methods, Kits, and Compositions for Enhancing Cellular Therapy
 - DIV
 - 12,297,455
 - 5/13/2025
- T17702, Materials and Methods for Treating Stress-Related Disorders and Cancer
 - ORD/UTIL
 - 12,258,395
 - 3/25/2025

Com Dean's Office

Benjamin Griffith

MD-COM DEAN'S OFFICE

Disclosed:

- T19655, myRA
- T19656, myCRH
- T19657, Snap Metrics

David Nelson

MD-COM DEAN'S OFFICE

Disclosed:

- T19710, Atomic Capital Project

Clinical and Translational Science Institute

Keliy Fordham

MD-CTSI

Disclosed:

- T19588, Machine Learning Model to Predict Necrotizing Enterocolitis in Preterm Infants

Dermatology

Dominic Lucciani

MD-DERMATOLOGY

Disclosed:

- T19680, Automating Epic
- T19750, Facial Recognition

Emergency Medicine

Leighton Elliott

MD-EMERGENCY MEDICINE

Disclosed:

- T19875, Immunocompetent Fusion-Driven Mouse Models

Health Outcomes and Biomedical Informatics

Jiang Bian

MD-HEALTH OUTCOMES & BMI

Licensed:

- A20998, Non-Exclusive License, GatorTron AI model
- A20999, Non-Exclusive License, GatorTronGPT
- A21300, Non-Exclusive License, GatorTron-LLAMA AI Model

Akshita Gupta

MD-HEALTH OUTCOMES & BMI

Disclosed:

- T19752, Kidease
- T19777, Precision MVI

Cheng Peng

MD-HEALTH OUTCOMES & BMI

Disclosed:

- T19711, GatorTron-LLAMA AI Model

Licensed:

- A20999, Non-Exclusive License, GatorTronGPT
- A21300, Non-Exclusive License, GatorTron-LLAMA AI Model

Yonghui Wu

MD-HEALTH OUTCOMES & BMI

Disclosed:

- T19711, GatorTron-LLAMA AI Model

Licensed:

- A20998, Non-Exclusive License, GatorTron AI model
- A20999, Non-Exclusive License, GatorTronGPT
- A21300, Non-Exclusive License, GatorTron-LLAMA AI Model

Xi Yang

MD-HEALTH OUTCOMES & BMI

Licensed:

- A20999, Non-Exclusive License, GatorTronGPT
- A21300, Non-Exclusive License, GatorTron-LLAMA AI Model

Medicine

Haitham Abdelazim

MD-MEDICINE

Disclosed:

- T19752, Kidease

Fatemeh Afsari

MD-MEDICINE

Disclosed:

- T19777, Precision MVI
- T19881, Fusion-Annotator

Alek Aranyos

MD-MEDICINE

Licensed:

- A21103, Non-Exclusive License, Mouse Anti-Human M-Alpha-1 Anti-Trypsin (M-AAT) Monoclonal Antibody

Azra Bihorac

MD-MEDICINE

Disclosed:

- T19657, Snap Metrics

Optioned:

- A21184, Systems and Methods for Using Deep Learning to Generate Acuity Scores for Critically Ill or Injured Patients

Samuel Border

MD-MEDICINE

Disclosed:

- T19881, Fusion-Annotator

Mark Brantly

MD-MEDICINE

Licensed:

- A21103, Non-Exclusive License, Mouse Anti-Human M-Alpha-1 Anti-Trypsin (M-AAT) Monoclonal Antibody

Jonathan Cho

MD-MEDICINE

Patent(s) Issued:

- T17254, Microparticle Systems and Their Use for the Treatment of Multiple Sclerosis
 - ORD/UTIL
 - 12,109,271
 - 10/8/2024

Druga Dongla

MD-MEDICINE

Disclosed:

- T19777, Precision MVI

Daphne Dupere-Richer

MD-MEDICINE

Disclosed:

- T19603, Myeloma Cell Lines Harboring Disruption of the KDM6A/UTX Gene

Tammy Flagg

MD-MEDICINE

Licensed:

- A21103, Non-Exclusive License, Mouse Anti-Human M-Alpha-1 Anti-Trypsin (M-AAT) Monoclonal Antibody

Michelle Gumz

MD-MEDICINE

Disclosed:

- T19497, Novel Model for Aging Research

Zhenhong Hu

MD-MEDICINE

Disclosed:

- T19722, DeepGuidance: A Multimodal AI Agentic System for Enhanced Clinical Decision Making

Christian Jobin

MD-MEDICINE

Disclosed:

- T19519, Lipid Nanoparticle Formulation of Bac429 Improves Tissue Distribution and Impacts Systemic Immune Profile

Suhas Katari Chaluva Kumar

MD-MEDICINE

Disclosed:

- T19881, Fusion-Annotator

Kenneth Kho

MD-MEDICINE

Disclosed:

- T19631, Structure-Based Discovery of a Novel STAT3 Targeting Site for Pancreatic Cancer Treatment

Anatoliy Korzhuk

MD-MEDICINE

Disclosed:

- T19558, Endobronchial Valves
- T19583, Endotracheal Tube
- T19598, Cuffed T-tube
- T19584, Flow Meter
- T19594, Endobronchial Blocker

Jonathan Licht

MD-MEDICINE

Disclosed:

- T19603, Myeloma Cell Lines Harboring Disruption of the KDM6A/UTX Gene

Shannon Moonah

MD-MEDICINE

Disclosed:

- T19630, Genetically Engineered Entamoeba Protozoa (GEEP)

Jennifer Mulligan

MD-MEDICINE

Disclosed:

- T19825, Use Nasal Mucus to Quantitate Donor DNA to Track Lung Transplant Graft Health

Ahmed Naglah

MD-MEDICINE

Disclosed:

- T19884, TransplantIQ: Smarter Decisions for Kidney Transplant Care

Rachel Newsome

MD-MEDICINE

Disclosed:

- T19519, Lipid Nanoparticle Formulation of Bac429 Improves Tissue Distribution and Impacts Systemic Immune Profile

Tezcan Ozrazgat Baslanti

MD-MEDICINE

Optioned:

- A21184, Systems and Methods for Using Deep Learning to Generate Acuity Scores for Critically Ill or Injured Patients

Anindya Paul

MD-MEDICINE

Disclosed:

- T19752, Kidease

Zhijian Qian

MD-MEDICINE

Disclosed:

- T19653, Interaction Domain Between ALKBH5 and RBM33 as a Therapeutic Target

Westley Reeves

MD-MEDICINE

Patent(s) Issued:

- T16911, Recombinant Adeno-Associated Viruses Encoding Serpin Peptides and Uses Thereof
 - ORD/UTIL
 - 12,274,757
 - 4/15/2025

Pinaki Sarder

MD-MEDICINE

Disclosed:

- T19752, Kidease
- T19881, Fusion-Annotator
- T19884, TransplantIQ: Smarter Decisions for Kidney Transplant Care

Pinaki Sarder

MD-MEDICINE

Disclosed:

- T19777, Precision MVI

Timothy Sego

MD-MEDICINE

Disclosed:

- T19691, Clinical Medical Digital Twin

Peter Stacpoole

MD-MEDICINE

Disclosed:

- T19635, Methods of Improving Survival and Eliminating Treatment-Limiting Toxicities of Dichloroacetate in Patients With Pyruvate Dehydrogenase Complex Deficiency
- T19658, Disrupting the Lactate Shuttle: A Novel Approach to Reducing Cocaine Cravings

Optioned:

- A21230, Methods of Improving Survival and Eliminating Treatment-Limiting Toxicities of Dichloroacetate in Patients With Pyruvate Dehydrogenase Complex Deficiency

Karthik Vijayan

MD-MEDICINE

Disclosed:

- T19543, Bronchial Sleeve With Bronchial Stitch
- T19584, Flow Meter
- T19594, Endobronchial Blocker
- T19558, Endobronchial Valves
- T19583, Endotracheal Tube
- T19598, Cuffed T-tube

Molecular Genetics and Microbiology

David Bloom

MD-MOLECULAR GENTCS / MICROBIO

Patent(s) Issued:

- T16175, Method for Delivering RNA to Neurons to Treat Herpes Infections
 - CON
 - 12,156,919
 - 12/3/2024

Kotaro Fujii

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19615, Stop Codon Readthrough Mouse Model
- T19616, Cell Line-Monitoring Stop Codon Readthrough

Cristhiam Ildefonso

MD-MOLECULAR GENTCS / MICROBIO

Patent(s) Issued:

- T14567, Delivery of NRF2 as Therapy for Protection Against Reactive Oxygen Species
 - CON
 - 12,060,395
 - 8/13/2024
- T16911, Recombinant Adeno-Associated Viruses Encoding Serpin Peptides and Uses Thereof
 - ORD/UTIL
 - 12,274,757
 - 4/15/2025

Stephanie Karst

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19797, Repurposing A Cholesterol-Lowering Drug to Prevent Excess Weight Gain in Infants Nursed by Obese Mothers

Alfred Lewin

MD-MOLECULAR GENTCS / MICROBIO

Patent(s) Issued:

- T16175, Method for Delivering RNA to Neurons to Treat Herpes Infections
 - CON
 - 12,156,919
 - 12/3/2024
- T14567, Delivery of NRF2 as Therapy for Protection Against Reactive Oxygen Species
 - CON
 - 12,060,395
 - 8/13/2024
- T16911, Recombinant Adeno-Associated Viruses Encoding Serpin Peptides and Uses Thereof
 - ORD/UTIL
 - 12,274,757
 - 4/15/2025
- T17367, Compositions and Methods for Treatment of Dominant Retinitis Pigmentosa
 - ORD/UTIL
 - 12,203,074
 - 1/21/2025

Tamara Mandell

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19841, Biotechnology Aptitude and Competency Exam (BACE)
- T19842, Biotechnology Aptitude and Competency Exam (BACE) Preparation Materials
- T19843, Industrial Biotechnology Educator Experience (IBEE)
- T19844, Bioscience Educator Video Lesson Series for Curricula Integration of Industry Topics

Hector Mendez-Gomez

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19545, Lipid Nanoparticles for Anti-PDL1 siRNA and mRNA Delivery to the Brain
- T19559, Covid-19 Vaccine For Cancer

Licensed:

- A19969, Exclusive License, RNA-NPs Prime Systemic and Intratumoral Immunity With PD-L1+ Myeloid Cells
- A21058, Exclusive License, Pediatric High-Grade Gliomas (pHGG) and adult Glioblastoma (GBM)
- A21059, Exclusive License, pp65 full length (fl) lysosomal associated membrane protein (LAMP) mRNA loaded DOTAP liposome vaccine administered intravenously (pp65 RNA loaded lipid particles, pp65 RNA-LPs) in combination With Autologous total tumor mRNA and pp65 full length (fl) lyso

Lien Nguyen

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19654, AAV Mouse Models of Alzheimer's Disease Associated Repeats

Optioned:

- A21118, Engineered GA Antibodies for Therapy Development

Belinda Pinto

MD-MOLECULAR GENTCS / MICROBIO

Patent(s) Issued:

- T16542, Compositions and Methods for Impeding Transcription of Expanded Microsatellite Repeats
 - ORD/UTIL
 - 12,180,499
 - 12/31/2024

Laura Ranum

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- M19713, Constructs_TZ 9-9-241
- T19705, Small Molecule Combination Therapy For RAN Protein Reduction For C9orf72 ALS/FTD And Other Repeat Expansion Disorders
- T19713, Constructs_TZ 9-9-241

Optioned:

- A21118, Engineered GA Antibodies for Therapy Development
- A21095, Detection of Novel Repeat Associated Non-ATG (RAN) Proteins in C9ORF72 ALS
- A21222, 20165678 LIC 4, C9ORF72-PAAS antibody: H3152; Millipore ABN 1356
- A21335, Detection of Novel Repeat Associated Non-ATG (RAN) Proteins in C9ORF72 ALS

Patent(s) Issued:

- T14605, Use and Treatment of Di-Amino Acid Repeat-Containing Proteins Associated With ALS
 - DIV
 - 12,025,622
 - 7/2/2024

Rolf Renne

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19697, Producer Cell Lines for Bacmid-Derived Kaposi's Sarcoma-Associated Herpesvirus (KSHV) Knock-Out Viruses For V-Cyclin And V-Flip or Both

Licensed:

- A21295, Non-Exclusive License, iSLK Cells That Are Stably Infected With Kaposi's-Sarcoma-Associated Herpesvirus (KSHV)

Lisa Romano

MD-MOLECULAR GENTCS / MICROBIO

Optioned:

- A21118, Engineered GA Antibodies for Therapy Development

Edward Scott

MD-MOLECULAR GENTCS / MICROBIO

Patent(s) Issued:

- T17292, Paramagnetic Immunobeads for the Isolation of Human Adipose-Derived Stem Cells
 - ORD/UTIL
 - 12,270,808
 - 4/8/2025

Jakob Shoti

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19749, Development of Capsid- and Genome-Modified AAV3 Vectors for Gene Therapy of Hemophilia B and Hemophilia A

Licensed:

- A20773, Exclusive Limited License, Sequences of Plasmid pAAVr3c3 Encoding the AAV3 Rep Proteins, Sequences of Plasmid pITR3-EGFP-Neo Containing the ITRs From AAV3, and Sequences of Plasmids Encoding the Capsid Mutants

Sihong Song

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19487, A Mutant IL-6 (RIL6) for Blocking IL-6 Function
- T19506, Computationally Designed IL-10 Mutants for Anti-Inflammatory Therapy

Maurice Swanson

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19882, Mbnl2 Mice as a Model for CNS Alterations in Myotonic Dystrophy

Rodrigo Tomas

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19654, AAV Mouse Models of Alzheimer's Disease Associated Repeats

Eric Wang

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19901, SPLICER for RNAi

Patent(s) Issued:

- T16542, Compositions and Methods for Impeding Transcription of Expanded Microsatellite Repeats
 - ORD/UTIL
 - 12,180,499
 - 12/31/2024

Lizi Wu

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19902, Biomedical Condensate Inhibition to Treat Cancers With the EML4-ALK Fusion

Yu Zhou

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19901, SPLICER for RNAi

Sergei Zolotukhin

MD-MOLECULAR GENTCS / MICROBIO

Disclosed:

- T19485, Utilizing Cross-Species Directed Evolution of Adeno-Associated Virus Vectors to Derive Variants Targeting the Heart and De-Targeting Liver
- T19600, Novel AAV Vector Gene Therapy for Treating Multiple Sclerosis
- T19675, Utilizing Cross-Species Directed Evolution of Adeno-Associated Virus Vectors to Derive Variants With Enhanced Heart Targeting and Moderate Liver De-Targeting
- T19740, Identification of Highly Efficient Heart and Skeletal Muscle Transducing AAV Capsids Using Large Animal Model

Optioned:

- A20836, Know-How Including NGS Data Sets

Licensed:

- A20773, Exclusive Limited License, Sequences of Plasmid pAAVr3c3 Encoding the AAV3 Rep Proteins, Sequences of Plasmid pITR3-EGFP-Neo Containing the ITRs From AAV3, and Sequences of Plasmids Encoding the Capsid Mutants

Patent(s) Issued:

- T13065, Satiation Peptide Administration
 - CON
 - 12,109,251
 - 10/8/2024
- T15606, Synthetic Combinatorial AAV3 Capsid Library
 - ORD/UTIL
 - 12,188,037
 - 1/7/2025

Tao Zu

MD-MOLECULAR GENTCS / MICROBIO

Licensed:

- A21095, Non-Exclusive License, Detection of Novel Repeat Associated Non-ATG (RAN) Proteins in C9ORF72 ALS
- A21335, Non-Exclusive License, Detection of Novel Repeat Associated Non-ATG (RAN) Proteins in C9ORF72 ALS

Patent(s) Issued:

- T14605, Use and Treatment of Di-Amino Acid Repeat-Containing Proteins Associated With ALS
 - DIV
 - 12,025,622
 - 7/2/2024

Neurological surgery

Frank Bova

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19800, Geometric Dose Optimization Through Patient Translation

Optioned:

- A21277, Large Animal Robotic Radiographic System

Matthew Decker

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19815, 3D Printed Cervical Collar

Catherine Flores

MD-NEUROLOGICAL SURGERY

Licensed:

- A20973, Exclusive License, CHAMP1ON: Combinatorial Hematopoietic Stem Cell And Monoclonal Antibody PD-1 blockade Phase 1/2 “Window of Opportunity” Trial for Recurrent Glioblastoma

Kelly Foote

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19546, Countersink Drill Bit for Deep Brain Stimulation Surgery

Connor Francis

MD-NEUROLOGICAL SURGERY

Licensed:

- A20973, Exclusive License, CHAMP1ON: Combinatorial Hematopoietic Stem Cell And Monoclonal Antibody PD-1 blockade Phase 1/2 “Window of Opportunity” Trial for Recurrent Glioblastoma

Jianping Huang

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19770, Data for 3-in-1 CAR-T Construct

Optioned:

- A20996, Using Lair 1 Blockade for Cancer Immunotherapy (As Mono or Combination Therapy)
- A21244, IL-8 Receptor Modified CAR Against CD70 Positive Tumors

Linchun Jin

MD-NEUROLOGICAL SURGERY

Optioned:

- A20996, Using Lair 1 Blockade for Cancer Immunotherapy (As Mono or Combination Therapy)
- A21244, IL-8 Receptor Modified CAR Against CD70 Positive Tumors

Aida Karachi

MD-NEUROLOGICAL SURGERY

Optioned:

- A20996, Using Lair 1 Blockade for Cancer Immunotherapy (As Mono or Combination Therapy)

Brandon Lucke-Wold

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19725, Biomarker Panel for Post Op Urinary Retention
- T19820, AI Journal Selection Algorithm

Christiano Marconi

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19559, Covid-19 Vaccine For Cancer

Teng Peng Zhao

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19731, Using Virtual Reality to Test Visual Field Impairments

Maryam Rahman

MD-NEUROLOGICAL SURGERY

Disclosed:

- S-T00391, Biological Material: High Grade Brain Tumors (GBMs) and Metastatic Melanomas

Patent(s) Issued:

- T15810, Methods, Kits, and Compositions for Enhancing Cellular Therapy
 - DIV
 - 12,297,455
 - 5/13/2025

Brent Reynolds

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19705, Small Molecule Combination Therapy For RAN Protein Reduction For C9orf72 ALS/FTD And Other Repeat Expansion Disorders

Licensed:

- A20739, Exclusive License, Hemp-Derived Extracellular Vesicles (EVs) For Cannabinoid Delivery

Elias Sayour

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19525, Lipid-Nanoparticle Delivery of siRNA to Treat Brain Tumors
- T19545, Lipid Nanoparticles for Anti-PDL1 siRNA and mRNA Delivery to the Brain
- T19559, Covid-19 Vaccine For Cancer
- T19686, IL-6/IL-1 Blockade Potentiates Systemic RNA Immunotherapy
- T19875, Immunocompetent Fusion-Driven Mouse Models

Licensed:

- A19969, Exclusive License, RNA-NPs Prime Systemic and Intratumoral Immunity With PD-L1+ Myeloid Cells
- A21058, Exclusive License, Pediatric High-Grade Gliomas (pHGG) and adult Glioblastoma (GBM)
- A21059, Exclusive License, pp65 full length (fl) lysosomal associated membrane protein (LAMP) mRNA loaded DOTAP liposome vaccine administered intravenously (pp65 RNA loaded lipid particles, pp65 RNA-LPs) in combination With Autologous total tumor mRNA and pp65 full length (fl) lyso

Dhruvkumar Soni

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19525, Lipid-Nanoparticle Delivery of siRNA to Treat Brain Tumors

- T19545, Lipid Nanoparticles for Anti-PDL1 siRNA and mRNA Delivery to the Brain
- T19559, Covid-19 Vaccine For Cancer

Sivasupiramaniam Sriharan

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19838, Development of a Novel Bedside Stereotactic Targeting System for the Brain/Ventricular Drains

Haipeng Tao

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19770, Data for 3-in-1 CAR-T Construct

Optioned:

- A20996, Using Lair 1 Blockade for Cancer Immunotherapy (As Mono or Combination Therapy)

Guimei Tian

MD-NEUROLOGICAL SURGERY

Patent(s) Issued:

- T17034, Polypeptide Inhibitor of De Novo Lipogenesis in Cancer Cells
 - DIV
 - 12,090,189
 - 9/17/2024

Changlin Yang

MD-NEUROLOGICAL SURGERY

Disclosed:

- T19692, O.R.A.N. - Open Reading Frame Antigen Network

Licensed:

- A21284, Non-Exclusive License, O.R.A.N. - Open Reading Frame Antigen Network

Neurology

Matthew Farrer

MD-NEUROLOGY

Disclosed:

- T19757, Mouse Model for Evolutionary Therapeutics for Neuroprotection in Parkinson's Disease
- T19816, Druggable Target and Mechanism of Action for Evolutionary Therapeutics for Neuroprotection in Parkinson's Disease

Michael Pizzi

MD-NEUROLOGY

Disclosed:

- T19633, UF Artificial Intelligence Consent Form

Neuroscience

Jose Abisambra

MD-NEUROSCIENCE

Disclosed:

- T19892, Combined Nutrient Supplementation for Treatment or Prevention of Brain Injury
- T19893, Altered Nucleic Acids as Diagnostic Biomarkers for Traumatic Brain Injury

Mackenzie Bolen

MD-NEUROSCIENCE

Disclosed:

- T19618, Alteration in Peripheral Iron Metabolism as an Early Biomarker of Parkinson's Disease
- T19633, UF Artificial Intelligence Consent Form

Pedro Cruz

MD-NEUROSCIENCE

Disclosed:

- T19767, Self-Complementary AAV System Utilizing BMAL1 and PER2 Promoter Sequences for Circadian-Controlled Transgene Expression

Benoit Giasson

MD-NEUROSCIENCE

Patent(s) Issued:

- T17702, Materials and Methods for Treating Stress-Related Disorders and Cancer
 - ORD/UTIL
 - 12,258,395
 - 3/25/2025

Zachary Krumm

MD-NEUROSCIENCE

Disclosed:

- T19587, HPA-Axis And Relevant Derivations Thereof

Julian Mark

MD-NEUROSCIENCE

Disclosed:

- T19518, Activation-Dependent Immune Dysfunction Traits Enable Identification of Prodromal Parkinson's

Andrew Maurer

MD-NEUROSCIENCE

Disclosed:

- T19878, Frequency-Selective Resonant Coupling in Hierarchical Oscillator Networks for High-Performance Neuromorphic Computing

Kelly Menees

MD-NEUROSCIENCE

Disclosed:

- T19618, Alteration in Peripheral Iron Metabolism as an Early Biomarker of Parkinson's Disease

Andrea Merchak

MD-NEUROSCIENCE

Disclosed:

- T19618, Alteration in Peripheral Iron Metabolism as an Early Biomarker of Parkinson's Disease

Maria Ramirez Carrero

MD-NEUROSCIENCE

Disclosed:

- T19494, Surgical Implant Device Allowing Precise and Controlled Delivery of Fluids Into the Nose

Edgardo Rodriguez

MD-NEUROSCIENCE

Disclosed:

- T19587, HPA-Axis And Relevant Derivations Thereof
- T19767, Self-Complementary AAV System Utilizing BMAL1 and PER2 Promoter Sequences for Circadian-Controlled Transgene Expression

Rebecca Wallings

MD-NEUROSCIENCE

Disclosed:

- T19518, Activation-Dependent Immune Dysfunction Traits Enable Identification of Prodromal Parkinson's

Obstetrics & Gynecology

Gregory Schultz

MD-OBSTETRICS / GYNECOLOGY

Patent(s) Issued:

- T16175, Method for Delivering RNA to Neurons to Treat Herpes Infections
 - CON
 - 12,156,919
 - 12/3/2024

Ophthalmology

Sanford Boye

MD-OPHTHALMOLOGY

Disclosed:

- T19646, Methods for Treating XLRS
- T19651, Methods for Treating XLRS

Shannon Boye

MD-OPHTHALMOLOGY

Disclosed:

- T19646, Methods for Treating XLRS
- T19651, Methods for Treating XLRS

Timothy Garrett

MD-OPHTHALMOLOGY

Disclosed:

- T19561, Paper Functionalized With Ascorbic Acid for Dried Blood Spot Collection and Preservation
- T19648, High-Throughput Multi-Well Miniaturized Foam Fractionation System and Method for Efficient Separation of Surface-Active Compounds
- T19907, maxiM/Ze: A Novel Image Recognition Approach for Visualizing and Processing Mass Spectrometry Based Metabolomics Data
- T19892, Combined Nutrient Supplementation for Treatment or Prevention of Brain Injury

Optioned:

- A21283, Simplified Quantitative Analysis With Prespotted Standards on Paper

QiuHong Li

MD-OPHTHALMOLOGY

Disclosed:

- T19830, Genetically Engineered GLP-1 Producing Probiotics for Treatment of Metabolic Diseases
- T19831, Food-Grade Genetically Modified Probiotics for Delivery of Renin Angiotensin Related Peptides and Proteins

Patent(s) Issued:

- T13994, Oral Delivery of Angiotensin Converting Enzyme 2 (ACE2) or Angiotensin-(1-7) Bioencapsulated in Plant Cells Attenuates Pulmonary Hypertension, Cardiac Dysfunction and Development of Autoimmune and Experimentally Induced Ocular Disorders
 - CON
 - 12,059,454
 - 8/13/2024
- T14567, Delivery of NRF2 as Therapy for Protection Against Reactive Oxygen Species
 - CON
 - 12,060,395
 - 8/13/2024

Mark Sherwood

MD-OPHTHALMOLOGY

Patent(s) Issued:

- T16451, Glaucoma Drainage Implant Venting Assembly
 - ORD/UTIL
 - 12,042,431
 - 7/23/2024

Sonal Tuli

MD-OPHTHALMOLOGY

Patent(s) Issued:

- T16175, Method for Delivering RNA to Neurons to Treat Herpes Infections
 - CON
 - 12,156,919
 - 12/3/2024

Orthopedics / Rehab Center

Karsen Corn

MD-ORTHOPAEDICS / REHAB

Disclosed:

- T19687, Enchondroma Diagnostics Redefined: Leveraging Neural Networks for Cross-Sectional Imaging Recommendations

Kevin Hao

MD-ORTHOPAEDICS / REHAB

Disclosed:

- T19672, Motion Tracking Application for Extremity Range of Motion Measurements

Joshua Harman

MD-ORTHOPAEDICS / REHAB

Disclosed:

- T19687, Enchondroma Diagnostics Redefined: Leveraging Neural Networks for Cross-Sectional Imaging Recommendations

Joseph King

MD-ORTHOPAEDICS / REHAB

Disclosed:

- T19649, Distal Acromial Tip Fusion Procedure

Otolaryngology

Patrick Antonelli

MD-OTOLARYNGOLOGY

Disclosed:

- T19824, Cochlear Implant Electrode Slide

Patent(s) Issued:

- T17536, Calibrated Pneumatic Otoscope
 - ORD/UTIL
 - 12,256,903
 - 3/25/2025

Anamika Bhuniaroy

MD-OTOLARYNGOLOGY

Patent(s) Issued:

- T18172, System and Method for Closed-Loop Active Sensing and Protection Against Airborne Pathogens
 - ORD/UTIL
 - 12,329,216
 - 6/17/2025

Pathology, Immunology and Laboratory Medicine

William Clapp

MD-PATHOLOGY

Disclosed:

- T19884, TransplantIQ: Smarter Decisions for Kidney Transplant Care

Marino Leon

MD-PATHOLOGY

Disclosed:

- T19682, Artificial Intelligence Catalog of Ancillary Database

Kimberly Newsom

MD-PATHOLOGY

Disclosed:

- T19500, A Novel Machine-Learning-Informed Platform for Assessing Somatic Variant Classification and Pathogenicity

David Ostrov

MD-PATHOLOGY

Disclosed:

- T19631, Structure-Based Discovery of a Novel STAT3 Targeting Site for Pancreatic Cancer Treatment
- T19736, The HiPerGator Drug Discovery Platform

Patent(s) Issued:

- T17504, Enhancers of Neurolysin Activity
 - ORD/UTIL
 - 12,331,333
 - 6/17/2025

J Peter Pelletier

MD-PATHOLOGY

Disclosed:

- T19590, Development of a Novel Strategy to Improve the Stability and Self-Life of Blood Products

Pediatrics

Mohamed Ahmed

MD-PEDIATRICS

Disclosed:

- T19523, NeuroGuard: An Innovative Solution for Reducing Premature Births
- T19591, Systems for Treating Pulmonary Arterial Hypertension Through Neuromodulation

ibukun Akinyemi

MD-PEDIATRICS

Disclosed:

- T19804, Antiviral and Anticancer Therapeutics Targeting the EBV Transcription Factor ZEBRA

Sumita Bhaduri-McIntosh

MD-PEDIATRICS

Disclosed:

- T19486, Polymerase Theta as a Therapeutic Target for EBV Cancers and EBV-Related Diseases
- T19804, Antiviral and Anticancer Therapeutics Targeting the EBV Transcription Factor ZEBRA
- T19813, Polymerase Theta (POLθ) as a Therapeutic Target for EBV Cancers and EBV-Related Diseases

Barry Byrne

MD-PEDIATRICS

Disclosed:

- T19508, Updated Methods And Compositions For Treating TMEM43 Related Cardiomyopathy With A Viral Vector
- T19509, Methods and Compositions for Treating Limb Girdle Muscular Dystrophy Type 2D With a Viral Vector
- T19851, Chimeric AAV Ligands for Engineering Tissue Tropism

Optioned:

- A21122, Development of Capsid-Modified Next Generation of AAVrh74 Vectors for Gene Therapy of Muscular Dystrophies

Licensed:

- A20802, Non-Exclusive License, Human Embryonic Kidney 293 Working Cell Bank (HEK293 WCB)
- Additional Information - Lot # 9001-201, Lot # 9004-2111-25767 and full current Certificate of Analysis
- A21274, Non-Exclusive License, AAV for Limb Girdle Muscular Dystrophy

Paul Castillo Caro

MD-PEDIATRICS

Licensed:

- A19969, Exclusive License, RNA-NPs Prime Systemic and Intratumoral Immunity With

Sam Cheng

MD-PEDIATRICS

Licensed:

- A21070, Exclusive License, CaSR Nutrient-Based Therapies for Diarrhea

Manuela Corti

MD-PEDIATRICS

Disclosed:

- T19508, Updated Methods And Compositions For Treating TMEM43 Related Cardiomyopathy With A Viral Vector
- T19509, Methods and Compositions for Treating Limb Girdle Muscular Dystrophy Type 2D With a Viral Vector
- T19851, Chimeric AAV Ligands for Engineering Tissue Tropism

Licensed:

- A21274, Non-Exclusive License, AAV for Limb Girdle Muscular Dystrophy

Noah Jones

MD-PEDIATRICS

Licensed:

- A19969, Exclusive License, RNA-NPs Prime Systemic and Intratumoral Immunity With PD-L1+ Myeloid Cells

Geoffrey Keeler

MD-PEDIATRICS

Disclosed:

- T19600, Novel AAV Vector Gene Therapy for Treating Multiple Sclerosis
- T19604, AAV9 and Rh10 Liver De-Targeted Vectors
- T19679, A Mutated AAV9 Capsid With Reduced Liver Tropism

Oleksandr Kondratov

MD-PEDIATRICS

Disclosed:

- T19485, Utilizing Cross-Species Directed Evolution of Adeno-Associated Virus Vectors to Derive Variants Targeting the Heart and De-Targeting Liver
- T19675, Utilizing Cross-Species Directed Evolution of Adeno-Associated Virus Vectors to Derive Variants With Enhanced Heart Targeting and Moderate Liver De-Targeting
- T19740, Identification of Highly Efficient Heart and Skeletal Muscle Transducing AAV Capsids Using Large Animal Model

Optioned:

- A20836, Know-How Including NGS Data Sets

Michael McIntosh

MD-PEDIATRICS

Disclosed:

- T19486, Polymerase Theta as a Therapeutic Target for EBV Cancers and EBV-Related Diseases
- T19804, Antiviral and Anticancer Therapeutics Targeting the EBV Transcription Factor ZEBRA
- T19813, Polymerase Theta (POLθ) as a Therapeutic Target for EBV Cancers and EBV-Related Diseases

Josef Neu

MD-PEDIATRICS

Disclosed:

- T19861, Non-Invasive System to Monitor Feeding-Intolerant Infants

Sreekala Prabhakaran

MD-PEDIATRICS

Patent(s) Issued:

- T17886, Amino Acid Compositions and Methods for Treating Cystic Fibrosis
 - ORD/UTIL
 - 12,220,400
 - 2/11/2025

Keyun Qing

MD-PEDIATRICS

Disclosed:

- T19749, Development of Capsid- and Genome-Modified AAV3 Vectors for Gene Therapy of Hemophilia B and Hemophilia A

Optioned:

- A21122, Development of Capsid-Modified Next Generation of AAVrh74 Vectors for Gene Therapy of Muscular Dystrophies

Licensed:

- A20773, Exclusive Limited License, Sequences of Plasmid pAAVr3c3 Encoding the AAV3 Rep Proteins, Sequences of Plasmid pITR3-EGFP-Neo Containing the ITRs From AAV3, and Sequences of Plasmids Encoding the Capsid Mutants

Juan Roig

MD-PEDIATRICS

Disclosed:

- T19620, Tool Used for Sublingual Frenotomy for Ankyloglossia
- T19621, Boomerang Harness Device for Immobilization of Lower Extremities for CVL and Catheterization Procedures on Neonates
- T19626, Special Bed Mattress for Patients Post Open Neural Tube Surgical Repairs
- T19760, Topical Formulation for Diaper Dermatitis of Prematurity
- T19886, Neonatal Laryngoscope Blade Tongue Guiding Attachment Device

Arun Srivastava

MD-PEDIATRICS

Disclosed:

- T19749, Development of Capsid- and Genome-Modified AAV3 Vectors for Gene Therapy of Hemophilia B and Hemophilia A

Optioned:

- A21122, Development of Capsid-Modified Next Generation of AAVrh74 Vectors for Gene Therapy of Muscular Dystrophies

Licensed:

- A20773, Exclusive Limited License, Sequences of Plasmid pAAVr3c3 Encoding the AAV3 Rep Proteins, Sequences of Plasmid pITR3-EGFP-Neo Containing the ITRs From AAV3, and Sequences of Plasmids Encoding the Capsid Mutants

Patent(s) Issued:

- T14226, HIGH-TRANSDUCTION-EFFICIENCY RAAV VECTORS, COMPOSITIONS, AND METHODS OF USE
 - CON
 - 12,065,467
 - 8/20/2024

Huanzhou Xu

MD-PEDIATRICS

Disclosed:

- T19486, Polymerase Theta as a Therapeutic Target for EBV Cancers and EBV-Related Diseases

Pharmacology and Therapeutics

Jessie Barra

MD-PHARMACOLOGY / THERAPEUTICS

Disclosed:

- T19515, Anti-CD3 Granular Hydrogel for Immune Protection of Cell Therapies

Jonathan Bird

MD-PHARMACOLOGY / THERAPEUTICS

Disclosed:

- T19833, Leveraging AAV-Actin Interactions for Gene Therapy

David Hammers

MD-PHARMACOLOGY / THERAPEUTICS

Disclosed:

- T19481, Update for MicroUtroDysChimeras With Promoters

James Heidings

MD-PHARMACOLOGY / THERAPEUTICS

Disclosed:

- T19833, Leveraging AAV-Actin Interactions for Gene Therapy

Rajesh Khanna

MD-PHARMACOLOGY / THERAPEUTICS

Disclosed:

- T19507, Optimization of Peptidomimetic Modulators of the CaV2.2 (N-type) Calcium Channel for Chronic Pain

Brian Law

MD-PHARMACOLOGY / THERAPEUTICS

Optioned:

- A21365, HDAC Inhibitors and Glucocorticoids Cooperatively Block Breast Cancer Invasiveness

Patent(s) Issued:

- T17401, Novel Small Molecule Anticancer Agents, Combinations and Uses Thereof
 - ORD/UTIL
 - 12,030,864
 - 7/9/2024

Craig Meyers

MD-PHARMACOLOGY / THERAPEUTICS

Disclosed:

- T19531, Optogenetics Device Adaptor for Vapor Administration Chambers

Patent(s) Issued:

- T16451, Glaucoma Drainage Implant Venting Assembly
 - ORD/UTIL
 - 12,042,431
 - 7/23/2024

Zane Moreland

MD-PHARMACOLOGY / THERAPEUTICS

Disclosed:

- T19833, Leveraging AAV-Actin Interactions for Gene Therapy

Roger Papke

MD-PHARMACOLOGY / THERAPEUTICS

Patent(s) Issued:

- T18598, N,N diethyl-N'phenylpiperazine Alpha 7 and Alpha 9 Nicotinic Acetylcholine Receptor Agonists and Antagonists
 - CON
 - 12,291,501
 - 5/6/2025

Holger Russ

MD-PHARMACOLOGY / THERAPEUTICS

Disclosed:

- T19576, New Unique Ligand for CAR TREG-Mediated Protection of Stem Cell-Derived Cells
 - T19608, Discovery of Novel Open Reading Frame Protein and Peptide Products in Human Pancreatic Beta Cells as Disease Markers, for Cell Specific Targeting, Immune Recognition, Therapy, and Tolerance
 - T19671, Generation Of Stem Cell Derived Thymic Cells in Suspension
 - T19755, PRObeta- Protocol for Rapid Optimized Beta Cell Generation From Human Pluripotent Stem Cells
 - T19515, Anti-CD3 Granular Hydrogel for Immune Protection of Cell Therapies
-

Hugh Sweeney

MD-PHARMACOLOGY / THERAPEUTICS

Disclosed:

- T19481, Update for MicroUtroDysChimeras With Promoters

Daniel Wesson

MD-PHARMACOLOGY / THERAPEUTICS

Disclosed:

- T19480, Fiber-Based Raman Spectroscopy Allowing Real-Time In Vivo Measures of Chemicals
- T19494, Surgical Implant Device Allowing Precise and Controlled Delivery of Fluids Into The Nose

Physiology and Functional Genomics

Mohan Raizada

MD-PHYSIOLOGY FUNCTIONAL GENOM

Patent(s) Issued:

- T13994, Oral Delivery of Angiotensin Converting Enzyme 2 (ACE2) or Angiotensin-(1-7) Bioencapsulated in Plant Cells Attenuates Pulmonary Hypertension, Cardiac Dysfunction and Development of Autoimmune and Experimentally Induced Ocular Disorders
 - CON
 - 12,059,454
 - 8/13/2024

Radiation Oncology

Mark ArtzMD-RADIATION ONCOLOGY

Disclosed:

- T19698, Methods and Systems for Combined Treatment Using GLP-1 Receptor Agonists With Radiation Therapy or Chemotherapy
- T19700, Methods for Using Multi-Modal Drug Delivery Systems With Integrated Treatment Guidance
- T19718, Novel Formulations of GLP-1 Receptor Agonists for Localized Oncologic Applications

Optioned:

- A21183, Ultra Compact Pencil Beam Scanning Proton Therapy System

Hardev GrewalMD-RADIATION ONCOLOGY

Disclosed:

- T19698, Methods and Systems for Combined Treatment Using GLP-1 Receptor Agonists With Radiation Therapy or Chemotherapy
- T19700, Methods for Using Multi-Modal Drug Delivery Systems With Integrated Treatment Guidance
- T19718, Novel Formulations of GLP-1 Receptor Agonists for Localized Oncologic Applications

Astrid Grosche

MD-RADIATION ONCOLOGY

Disclosed:

- T19814, Three Amino Acid Formulation Repair and Restores Natural Epithelial Barrier Function in Human Keratinocytes

Patent(s) Issued:

- T17886, Amino Acid Compositions and Methods for Treating Cystic Fibrosis
 - ORD/UTIL
 - 12,220,400
 - 2/11/2025

Zuofeng Li

MD-RADIATION ONCOLOGY

Patent(s) Issued:

- T16840, Techniques for Skin Illumination of Radiation Therapy Treatment Region Using Non-Coaxial Digital Projector
 - ORD/UTIL
 - 12,097,389
 - 9/24/2024

Paul Okunieff

MD-RADIATION ONCOLOGY

Disclosed:

- T19807, Oral Formulation for FGF-PT

Paul Okunieff

MD-RADIATION ONCOLOGY

Patent(s) Issued:

- T13568, Materials and Methods for Improving Gastrointestinal Function
 - CON
 - 12,239,633
 - 3/4/2025

Mo Saki

MD-RADIATION ONCOLOGY

Disclosed:

- T19698, Methods and Systems for Combined Treatment Using GLP-1 Receptor Agonists With Radiation Therapy or Chemotherapy
- T19700, Methods for Using Multi-Modal Drug Delivery Systems With Integrated Treatment Guidance
- T19718, Novel Formulations of GLP-1 Receptor Agonists for Localized Oncologic Applications

Anusree Sasidharan

MD-RADIATION ONCOLOGY

Disclosed:

- T19814, Three Amino Acid Formulation Repair and Restores Natural Epithelial Barrier Function in Human Keratinocytes

Sadasivan Vidyasagar

MD-RADIATION ONCOLOGY

Disclosed:

- T19814, Three Amino Acid Formulation Repair and Restores Natural Epithelial Barrier Function in Human Keratinocytes

Patent(s) Issued:

- T13568, Materials and Methods for Improving Gastrointestinal Function
 - CON
 - 12,239,633
 - 3/4/2025
- T15847, Amino Acid Compositions for the Treatment of Symptoms of Disease
 - CON
 - 12,161,614
 - 12/10/2024

Surgery

Kenneth Abbott

MD-SURGERY

Disclosed:

- T19903, LLM-Driven Pipeline for Clinical and Mechanistic Disease-to-Drug Scoring

Tyler Loftus

MD-SURGERY

Optioned:

- A21184, Systems and Methods for Using Deep Learning to Generate Acuity Scores for Critically Ill or Injured Patients

Ali Zarrinpar

MD-SURGERY

Patent(s) Issued:

- T17586, Methods and Compositions Concerning Intestinal Permeability
 - ORD/UTIL
 - 12,044,683
 - 7/23/2024

Urology

William Donelan

MD-UROLOGY

Disclosed:

- T19754, Novel Anti-Hyal2 Monoclonal Antibodies (Sequence, Clone 70)

Sergei Kusmartsev

MD-UROLOGY

Disclosed:

- T19754, Novel Anti-Hyal2 Monoclonal Antibodies (Sequence, Clone 70)

Florida Museum of Natural History

Natural History

Mahak Reji

NH-NATURAL HISTORY

Disclosed:

- T19533, EEG Device

Edward Stanley

NH-NATURAL HISTORY

Patent(s) Issued:

- T17351, Methods and Compositions for Minimizing X-Ray Scattering Artifacts
 - CON
 - 12,176,123
 - 12/24/2024

college of Nursing



Biobehavioral Nursing Science

Staja Booker

NR-BNS-BIOBEHAVIORIAL NUR SCI

Disclosed:

- T19669, Finding Arthritis Interventions That Help (FAITH) African Americans

Fatih Kunkul

NR-BNS-BIOBEHAVIORIAL NUR SCI

Disclosed:

- T19669, Finding Arthritis Interventions That Help (FAITH) African Americans

Family Community Health & Family Medicine

Michael Bumbach

NR-FCH-FAMILY COMM HLTH SYS SCI

Disclosed:

- T19668, Mobile Application Simulation

Office of the Dean

Sarah Alzahid

NR-OFFICE OF THE DEAN

Disclosed:

- T19669, Finding Arthritis Interventions That Help (FAITH) African Americans

College of Pharmacy



Medicinal Chemistry

Hui Chen

PH-MEDICINAL CHEMISTRY

Disclosed:

- T19813, Polymerase Theta (POL θ) as a Therapeutic Target for EBV cancers and EBV-related Diseases

Yousong Ding

PH-MEDICINAL CHEMISTRY

Disclosed:

- T19573, Heterologous Production of Bioactive Natural Products in Native Gut and Probiotic E. coli

Patent(s) Issued:

- T17235, Methods for Producing Modified Bacteria for Production of Nitroaromatics
 - DIV
 - 12,319,946
 - 6/3/2025
- T17887, Compositions and Methods for Transgenic Crops Resistant to Thaxtomins
 - ORD/UTIL
 - 12,325,862
 - 6/10/2025

Shelby Green

PH-MEDICINAL CHEMISTRY

Disclosed:

- T19502, Second Generation Sigma/DAT Inhibitors as Pharmacotherapies for Psychostimulant Use Disorders

Optioned:

- A21282, Second Generation Sigma/DAT Inhibitors as Pharmacotherapies for Psychostimulant Use Disorders
- A21400, Dual Acting Sigma Receptor Ligands and Dopamine Transporter Ligands as Treatments for Acute and Chronic Psychostimulant Misuse

Sampa Gupta

PH-MEDICINAL CHEMISTRY

Disclosed:

- T19502, Second Generation Sigma/DAT Inhibitors as Pharmacotherapies for Psychostimulant Use Disorders

Optioned:

- A21282, Second Generation Sigma/DAT Inhibitors as Pharmacotherapies for Psychostimulant Use Disorders

Wanyi Hu

PH-MEDICINAL CHEMISTRY

Disclosed:

- T19493, Bcl-2 Degradors

Optioned:

- A21186, CRBN-Recruiting Degradors of Anti-Apoptotic Bcl-2 Proteins
- A21234, CRBN-Recruiting Bcl-XL/Bcl-2 Dual Degradors

Chenglong Li

PH-MEDICINAL CHEMISTRY

Disclosed:

- T19487, A Mutant IL-6 (RIL6) for Blocking IL-6 Function
- T19506, Computationally Designed IL-10 Mutants for Anti-Inflammatory Therapy

Dake Liu

PH-MEDICINAL CHEMISTRY

Disclosed:

- T19573, Heterologous Production of Bioactive Natural Products in Native Gut and Probiotic E. coli

Hendrik Luesch

PH-MEDICINAL CHEMISTRY

Optioned:

- A21163, Structure and Antitumor Activity of Largazole
- A21253, Preclinical Development of Dietary Supplements, Nutraceuticals, Foods, and/or Beverages
- A21365, HDAC Inhibitors and Glucocorticoids Cooperatively Block Breast Cancer Invasiveness

Licensed:

- A21226, Exclusive License, Seaweed Extracts, Isolated Compounds, and Methods of Treatment
- A21252, Exclusive License, Ulva sp. Extraction Process

Christopher McCurdy

PH-MEDICINAL CHEMISTRY

Disclosed:

- T19502, Second Generation Sigma/DAT Inhibitors as Pharmacotherapies for Psychostimulant Use Disorders
- T19782, A Non-Cariogenic Intraoral Formulation Containing Buprenorphine and Naloxone

Optioned:

- A21282, Second Generation Sigma/DAT Inhibitors as Pharmacotherapies for Psychostimulant Use Disorders
- A21400, Dual Acting Sigma Receptor Ligands and Dopamine Transporter Ligands as Treatments for Acute and Chronic Psychostimulant Misuse

Wenjun Xie

PH-MEDICINAL CHEMISTRY

Disclosed:

- T19730, Evolved Cellulose Synthase-Like Enzymes for Polysaccharide Production

Peiyi Zhang

PH-MEDICINAL CHEMISTRY

Disclosed:

- T19493, Bcl-2 Degradors

Optioned:

- A21186, CRBN-Recruiting Degradors of Anti-Apoptotic Bcl-2 Proteins
- A21234, CRBN-Recruiting Bcl-XL/Bcl-2 Dual Degradors

Guangrong Zheng

PH-MEDICINAL CHEMISTRY

Disclosed:

- T19493, Bcl-2 Degraders
- T19813, Polymerase Theta (POLθ) as a Therapeutic Target for EBV cancers and EBV-related Diseases

Optioned:

- A21186, CRBN-Recruiting Degraders of Anti-Apoptotic Bcl-2 Proteins
- A21234, CRBN-Recruiting Bcl-XL/Bcl-2 Dual Degraders

Ran Zuo

PH-MEDICINAL CHEMISTRY

Patent(s) Issued:

- T17235, Methods for Producing Modified Bacteria for Production of Nitroaromatics
 - DIV
 - 12,319,946
 - 6/3/2025

Pharmaceutical Outcomes & Policy

Gloria Lipori

PH-PHARM OUTCOMES & POLICY

Disclosed:

- T19710, Atomic Capital Project

Pharmaceutics

Brian Cicali

PH-PHARMACEUTICS

Disclosed:

- T19627, Research Results Related to TEVA SRA Physiologically-Based Pharmacokinetic (PBPK) Modeling of Drug-Drug Interactions (DDI) for TEV-56268

Zuo Ding

PH-PHARMACEUTICS

Disclosed:

- T19778, Transfection of Extracellular Vesicles and Exosomes in Large Scale

Mei He

PH-PHARMACEUTICS

Disclosed:

- T19778, Transfection of Extracellular Vesicles and Exosomes in Large Scale

Optioned:

- A21229, High Throughput Droplet Electroporation for Highly Efficient Cargo Loading Into Extracellular Vesicles and Exosomes

Kevon Jolly

PH-PHARMACEUTICS

Disclosed:

- T19644, Quaternary Amine-Modified Dendrimers Enable Efficient mRNA Delivery to the Lung

Nasser Nassiri Koopaei

PH-PHARMACEUTICS

Licensed:

- A20739, Exclusive License, Hemp-Derived Extracellular Vesicles (EVs) For Cannabinoid Delivery

Stephan Schmidt

PH-PHARMACEUTICS

Disclosed:

- T19627, Research Results Related to TEVA SRA Physiologically-Based Pharmacokinetic (PBPK) Modeling of Drug-Drug Interactions (DDI) for TEV-56268

Thomas Schmittgen

PH-PHARMACEUTICS

Licensed:

- A20739, Exclusive License, Hemp-Derived Extracellular Vesicles (EVs) For Cannabinoid Delivery

Abhisheak Sharma

PH-PHARMACEUTICS

Disclosed:

- T19782, A Non-Cariogenic Intraoral Formulation Containing Buprenorphine and Naloxone

Jordan Stokes

PH-PHARMACEUTICS

Disclosed:

- T19506, Computationally Designed IL-10 Mutants for Anti-Inflammatory Therapy

Zijing Xu

PH-PHARMACEUTICS

Disclosed:

- T19644, Quaternary Amine-Modified Dendrimers Enable Efficient mRNA Delivery to the Lung

Fan Zhang

PH-PHARMACEUTICS

Disclosed:

- T19644, Quaternary Amine-Modified Dendrimers Enable Efficient mRNA Delivery to the Lung

Pharmacodynamics

Marco Bortolato

PH-PHARMACODYNAMICS

Disclosed:

- T19719, Automated Version of the Sinking Platform Test

Caterina Branca

PH-PHARMACODYNAMICS

Disclosed:

- T19719, Automated Version of the Sinking Platform Test

Xingui Liu

PH-PHARMACODYNAMICS

Disclosed:

- T19493, Bcl-2 Degraders

Siobhan Malany

PH-PHARMACODYNAMICS

Optioned:

- A21231, Enhancers of the Particulate Guanylyl Cyclase Receptor A
- A21232, Enhancers of the Particulate Guanylyl Cyclase Receptor A

Jay McLaughlin

PH-PHARMACODYNAMICS

Disclosed:

- T19492, Mitragynine Pseudoindoxyl Analogs as Mu Opioid Modulators
- T19746, Cyclic Peptides and Cyclic Peptide Conjugates for Treating Neurological Disorders - Substance Abuse

Patent(s) Issued:

- T17281, Cyclic Peptide Combinatorial Libraries
 - DIV
 - 12,129,311
 - 10/29/2024
- T17281, Methods of Identifying Opioid Cyclic Peptides
 - DIV
 - 12,187,813
 - 1/7/2025

Satyamaheshwar Peddibhotla

PH-PHARMACODYNAMICS

Optioned:

- A21231, Enhancers of the Particulate Guanylyl Cyclase Receptor A
- A21232, Enhancers of the Particulate Guanylyl Cyclase Receptor A

Daohong Zhou

PH-PHARMACODYNAMICS

Patent(s) Issued:

- T18330, Mouse Model of Alcohol-Induced Liver Cancer
 - ORD/UTIL
 - 12,219,938
 - 2/11/2025

Pharmacotherapy and Translational Research

Mohammed Gbadamosi

PH-PHARMTHERAPY TRNSL RSCH

Disclosed:

- T19500, A Novel Machine-Learning-Informed Platform for Assessing Somatic Variant Classification and Pathogenicity

Jatinder Lamba

PH-PHARMTHERAPY TRNSL RSCH

Disclosed:

- T19690, Update to the Previous Disclosure T18110 “Development of Novel CD33 Antibodies”

college of veterinary Medicine



Infectious Diseases and Immunology

Roy Curtiss

VM-INFECT DISEASE & IMMUNOLOGY

Disclosed:

- T19642, In ovo Vaccination of Genetically Modified Salmonella Vectored Vaccines
- T19650, Improved Salmonella Vectored Therapies for Treatment of Cancer
- T19880, Phytoglycogen as a Dry-State Bacteria Stabilizer

Optioned:

- A21129, Compositions, Kits, Methods, and Methods of Administration Relating to Edwardsiella Piscicida Vaccine and/or Antigen Delivery Vector Systems
- A21181, Protective Immunity Enhanced Attenuated Salmonella Vaccine (PIESV) Vector Systems

Licensed:

- A20972, Non-Exclusive License, Protective Immunity Enhanced Attenuated Salmonella Vaccine (PIESV) Vector Systems

Danmeng Li

VM-INFECT DISEASE & IMMUNOLOGY

Disclosed:

- T19631, Structure-Based Discovery of a Novel STAT3 Targeting Site for Pancreatic Cancer Treatment

Vinicius Lima

VM-INFECT DISEASE & IMMUNOLOGY

Disclosed:

- T19642, In ovo Vaccination of Genetically Modified Salmonella Vectored Vaccines

Bikash Sahay

VM-INFECT DISEASE & IMMUNOLOGY

Patent(s) Issued:

- T18534, Surface Layer Protein a (SlpA) as a Therapeutic Agent for the Treatment Of Inflammatory Diseases
 - ORD/UTIL
 - 12,098,170
 - 9/24/2024

Banikalyan Swain

VM-INFECT DISEASE & IMMUNOLOGY

Optioned:

- A21129, Compositions, Kits, Methods, and Methods of Administration Relating to Edwardsiella Piscicida Vaccine and/or Antigen Delivery Vector Systems

Apichai Tuanyok

VM-INFECT DISEASE & IMMUNOLOGY

Disclosed:

- T19738, Removing Phage Repressor Genes Enhances the Lytic Activity Of Φ bp82.2 Against the Biothreat Burkholderia Pseudomallei

Soo-Young Wanda

VM-INFECT DISEASE & IMMUNOLOGY

Disclosed:

- T19642, In ovo Vaccination of Genetically Modified Salmonella Vectored Vaccines

Optioned:

- A21181, Protective Immunity Enhanced Attenuated Salmonella Vaccine (PIESV) Vector Systems

Licensed:

- A20972, Non-Exclusive License, Protective Immunity Enhanced Attenuated Salmonella Vaccine (PIESV) Vector Systems

Shifeng Wang

VM-INFECT DISEASE & IMMUNOLOGY

Disclosed:

- T19642, In ovo Vaccination of Genetically Modified Salmonella Vectored Vaccines
- T19650, Improved Salmonella Vectored Therapies for Treatment of Cancer
- T19880, Phytoglycogen as a Dry-State Bacteria Stabilizer

Optioned:

- A21181, Protective Immunity Enhanced Attenuated Salmonella Vaccine (PIESV) Vector Systems

Licensed:

- A20972, Non-Exclusive License, Protective Immunity Enhanced Attenuated Salmonella Vaccine (PIESV) Vector Systems

Large Animal Clinical Sciences

Adam Biedrzycki

VM-LACS

Optioned:

- A21276, Equine Medial Unicompartmental Arthroplasty
- A21277, Large Animal Robotic Radiographic System

Ricardo Chebel

VM-LACS

Disclosed:

- T19702, A Real-Time Computer Vision and RFID-Based Dairy Cattle High-Throughput Phenotyping System

Physiological Sciences

John Bowden

VM-PHY SCI

Patent(s) Issued:

- T18101, Treating Per- and Poly-Fluoroalkyl Substances in Landfill Leachate
 - ORD/UTIL
 - 12,312,255
 - 5/27/2025

Paul Davenport

VM-PHY SCI

Disclosed:

- T19538, Chest and Abdomen Restriction Device

Optioned:

- A21102, Tongue Trainer for Treatment Obstructive Sleep Apnea
- A21261, Tongue Trainer for Treatment Obstructive Sleep Apnea

Christopher Vulpe

VM-PHY SCI

Disclosed:

- T19860, A Synthetic Lethal Strategy Targeting Ceramide Synthesis 2 and Proteasome Inhibition for Treating Triple-Negative Breast Cancer Metastasis

Small Animal Clinical Sciences

Nicola Craig

VM-SACS

Disclosed:

- T19871, Monoclonal Antibody Targeting equine IL-31 Sequence for Veterinary Use

Stanley Kim

VM-SACS

Disclosed:

- T19857, Impaction Interference Screw Locking Mechanism

Rosanna Marsella

VM-SACS

Disclosed:

- T19871, Monoclonal Antibody Targeting equine IL-31 Sequence for Veterinary Use

Elizabeth Maxwell

VM-SACS

Disclosed:

- T19638, Multimodal Theragnostic Composite Nanoparticles for Targeted Delivery of Therapeutics and Imaging of the Lymphatics

Business Affairs

Technical Service

Kenneth Allen

VPBA-TECHNICAL SERVICE

Licensed:

- A21060, Non-Exclusive License, Building Emergency Coordinator (BEC) System

Jodi Chase

VPBA-TECHNICAL SERVICE

Disclosed:

- T19612, Space Tracking & Reporting System (STARS) (Version 4)

Licensed:

- A21060, Non-Exclusive License, Building Emergency Coordinator (BEC) System

Jeffrey Cutaio

VPBA-TECHNICAL SERVICE

Licensed:

- A21060, Non-Exclusive License, Building Emergency Coordinator (BEC) System

Ashley Grassano

VPBA-TECHNICAL SERVICE

Disclosed:

- T19612, Space Tracking & Reporting System (STARS) (Version 4)

Amanda Myers

VPBA-TECHNICAL SERVICE

Disclosed:

- T19612, Space Tracking & Reporting System (STARS) (Version 4)

Frank Phillips Jr.

VPBA-TECHNICAL SERVICE

Disclosed:

- T19612, Space Tracking & Reporting System (STARS) (Version 4)

Igor Sokolov

VPBA-TECHNICAL SERVICE

Disclosed:

- T19612, Space Tracking & Reporting System (STARS) (Version 4)
- T19802, myInventory PWA

Licensed:

- A21060, Non-Exclusive License, Building Emergency Coordinator (BEC) System

Brian Vazquez

VPBA-TECHNICAL SERVICE

Disclosed:

- T19612, Space Tracking & Reporting System (STARS) (Version 4)

UF Research

Center of Excellence for Regenerative Health Biotechnology

Stephanie DeMarco

RE-CERHB ADMINISTRATION

Disclosed:

- T19843, Industrial Biotechnology Educator Experience (IBEE)
- T19844, Bioscience Educator Video Lesson Series for Curricula Integration of Industry Topics

Sharon Mrozinske

RE-CERHB ADMINISTRATION

Disclosed:

- T19841, Biotechnology Aptitude and Competency Exam (BACE)
- T19842, Biotechnology Aptitude and Competency Exam (BACE) Preparation Materials