

Congratulations to all our Inventors (2019-2023):

A. Clint Clayton	Dorota S. Temple, Ph.D.	Karmann C. Riter	Rangan Maitra, Ph.D.
Ann M. Decker, Ph.D.	Dr. Jason S. Norman Ph.D.	Kelly E. Amato	Robert Wiethé
Bruce E. Blough, Ph.D.	E. Dale Hart	Kenneth S. Rehder, Ph.D.	Roger H. Pope
Chad M. Kormos, Ph.D.	F. Ivy Carroll, Ph.D.	Kevin J. Strom, PhD.	S. Wayne Mascarella, Ph.D.
Chasity Antoinette Norton	George Amato	Leah M. Johnson, Ph.D.	Sameer Parvathikar, Ph.D.
Christopher M Griggs, BS	Georgiy Bobashev, Ph.D.	Li Han, Ph.D.	Sanju Narayanan, Ph.D.
Craig M. Shiner, Ph.D.	Gyu Dong Kim, Ph.D.	Mark William Pope	Scott P. Runyon, Ph.D.
Crystal Majors Daye	Howard J. Walls, Ph.D.	Marty A. Lail, Ph.D.	Thuy Nguyen, Ph.D.
Danni L. Harris Ph.D.	J. Lynn Davis, Ph.D.	Maurice A. Martin	Vijay Gupta, Ph.D.
David C. Dayton, Ph.D.	Jak Tanthana	Mustapha Soukri, Ph.D.	Yanan Zhang, Ph.D.
David E. Dausch, Ph.D.	James (Jay) Rineer	Paul D. Mobley, Ph.D.	

Dorota S. Temple, Ph.D.

10,264,669: Flexible Electronic Assemblies with Embedded Electronic Devices and Methods for their Fabrication

10,209,175: Detection of Corrosion using Dispersed Embedded Sensors



Dr. Jason S. Norman Ph.D.

10,286,383: Mixed Metal Iron Oxides
and uses thereof

11,491,457: Zinc Oxide-Based
Sorbents using Alkali Metal
Hydroxides and Processes for
Preparing and using same



E. Dale Hart

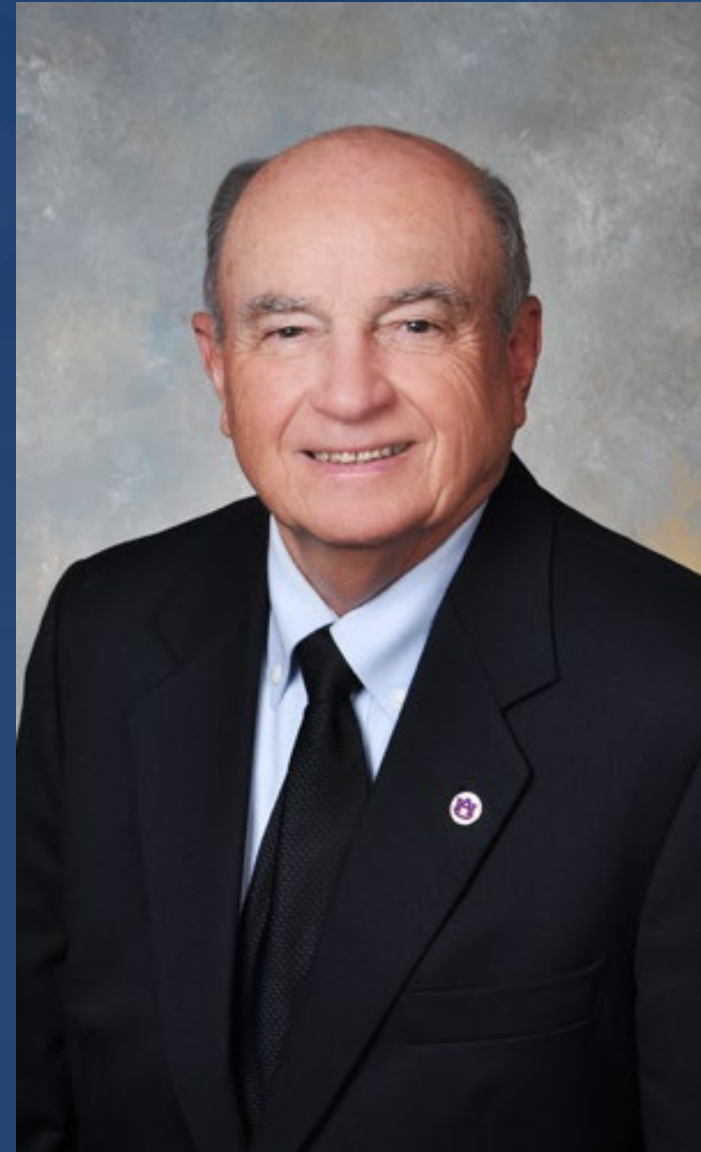
11,647,993: Oral Fluid Collector



F. Ivy Carroll, Ph.D.

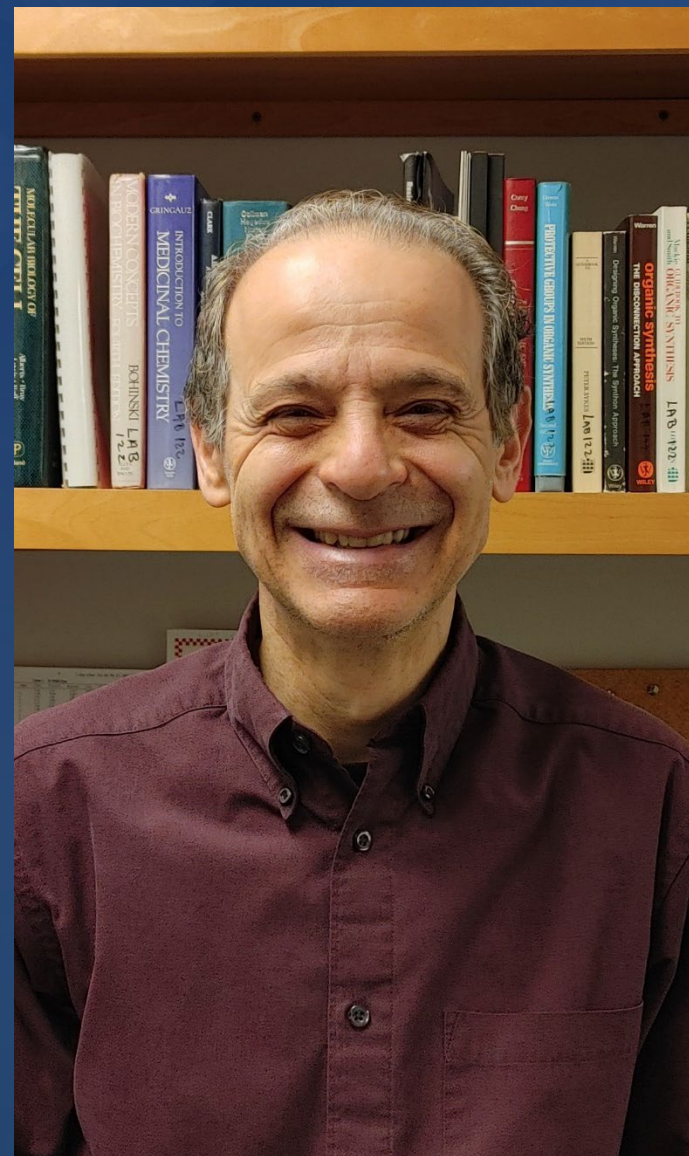
10,919,841: Monoamine Reuptake
Inhibitors

11,292,783: Tetrahydroisoquinoline
Kappa Opioid Antagonists



George Amato

10,696,677: Diaryl Purine Derivatives
with Improved Bioavailability



Georgiy Bobashev, Ph.D.

**10,948,348: Advanced Lighting Effects
Investigation System and
Computerized Method**



Gyu Dong Kim, Ph.D.

**11,845,041: Electrically Conductive
Membrane Assembly**



Howard J. Walls, Ph.D.

10,188,973: Apparatus and method using an electric field for creating uniform nanofiber patterns on nonconductive materials to enhance filtration and for embedment of fibers into materials for other applications

10,208,331: Fiber Sampler for Recovery of Bioaerosols and Particles

10,345,216: Systems, Devices, and Methods for Flow Control and Sample Monitoring Control

10,378,042: Fiber Sampler for Recovery of Bioaerosols and Particles

10,481,070: Systems, Devices, and Methods for Flow Control and Sample Monitoring Control

10,767,210: Fiber Sampler for Recovery of Bioaerosols and Particles

10,876,145: Fiber Sampler for Recovery of Bioaerosols and Particles

11,047,787: Design and Method for Optical Bench for Detecting Particles



J. Lynn Davis, Ph.D.

10,948,348: Advanced Lighting Effects Investigation System and Computerized Method

10,196,308: Cementing Methods and Systems Employing a Smart Plug



Jak Tanthana

10,166,503: Water Control in Non-Aqueous Acid Gas Recovery Systems

11,413,572: Method for emissions control in solvent-based CO₂ capture processes using CO₂



James (Jay) Rineer

10,574,817: Method of Using Call for Service Data in Analytic Capacity



Robert Wiethe

10,696,677 Diaryl Purine Derivatives
with Improved Bioavailability



Roger H. Pope

**11,047,787: Design and Method for
Optical Bench for Detecting
Particles**



S. Wayne Mascarella, Ph.D.

11,292,783 Tetrahydroisoquinoline
Kappa Opioid Antagonists



Sameer Parvathikar, Ph.D.

11,406,971: Method of Making
Confined Nanocatalysts within
Mesoporous Materials and Uses
Thereof



Sanju Narayanan, Ph.D.

10,377,718: Apelin Receptor (APJ)
Agonists and Uses Thereof

10,954,247: Apelin Receptor (APJ)
Agonists and Uses Thereof

11,142,546: Neuropeptide S Receptor
Agonists

11,401,244: Apelin Receptor (APJ)
Agonists and Uses Thereof

11,535,630: Apelin Receptor (APJ)
Agonists and Uses Thereof

RE49,594: Apelin Receptor (APJ)
Agonists and Uses Thereof



Scott P. Runyon, Ph.D.

- 11,292,783: Tetrahydroisoquinoline Kappa Opioid Antagonists
- 11,220,526: Neuropeptide S Receptor (NPSR) Agonists
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- RE49,594: Apelin Receptor (APJ) Agonists and Uses Thereof



Thuy Nguyen, Ph.D.

11,084,781: Diarylureas as CB1
Allosteric Modulators

11,491,136: Proline-Based
Neuropeptide FF Receptor
Modulators

11,826,350: Proline-Based
Neuropeptide FF Receptor
Modulators



Vijay Gupta, Ph.D.

10,414,649: Integrated system and method for removing acid-gas from a gas stream

10,196,308: Cementing Methods and Systems Employing a Smart Plug

11,413,572: Method for emissions control in solvent-based CO₂ capture processes using CO₂



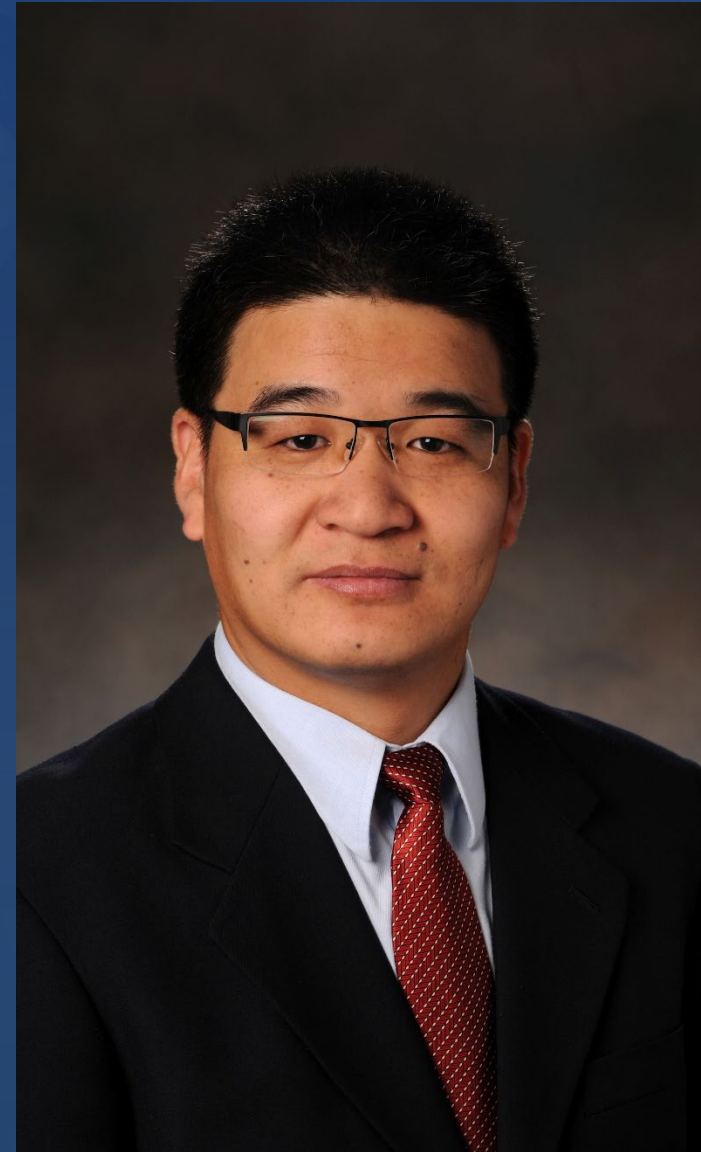
Yanan Zhang, Ph.D.

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Allosteric Modulators

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Ann M. Decker, Ph.D.

10,899,699: Vinylogous
Phenethylamines as
Neurotransmitter Releasers



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Inhibitors



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Chasity Antoinette Norton

10,421,894: Methods and Materials for
Controlled Release Materials in a
Subterranean Reservoir

11,078,404: Methods and Materials for
Controlled Release Materials in a
Subterranean Reservoir

11,078,411: Methods and Materials for
Controlled Release of Desired
Chemistries



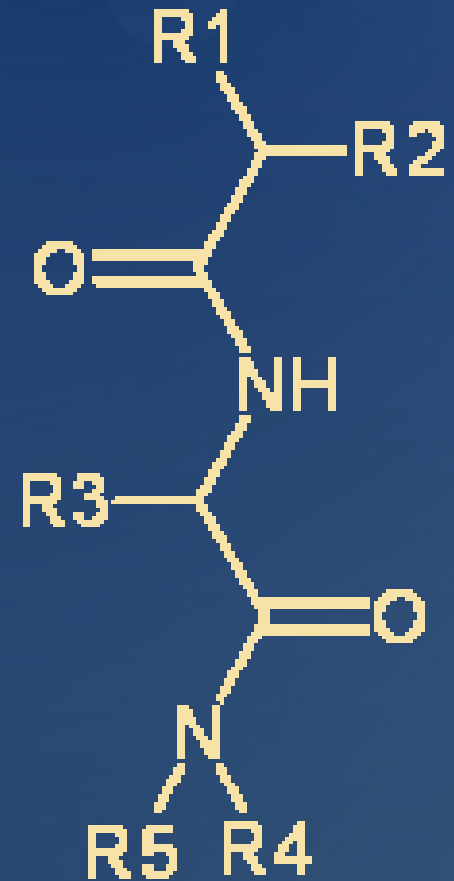
Christopher M Griggs, BS

10,574,817: Method of Using Call for
Service Data in Analytic Capacity



Craig M. Shiner, Ph.D.

11,142,546: Neuropeptide S Receptor
Agonists



Crystal Majors Daye

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Danni L. Harris Ph.D.

**11,220,526: Neuropeptide S Receptor
(NPSR) Agonists**



David C. Dayton, Ph.D.

10,294,427: Reactive Catalytic Fast
Pyrolysis Process and System

10,954,181: Process for Selectively
Recovering a Phenolic Compound
from Feedstock Comprising Bio-
Crude and/or Bio-oil



David E. Dausch, Ph.D.

10,196,308: Cementing Methods and
Systems Employing a Smart Plug



Karmann C. Riter

10,948,348: Advanced Lighting Effects
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Kelly E. Amato

10,166,503: Water Control in Non-Aqueous Acid Gas Recovery Systems

11,559,793: Perovskite Catalysts and Uses Thereof

11,179,704: Perovskite Catalysts and Uses Thereof



Kenneth S. Rehder, Ph.D.

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Kevin J. Strom, PhD.

**10,574,817: Method of Using Call for
Service Data in Analytic Capacity**



Leah M. Johnson, Ph.D.

- 10,292,909: Formulations for Controlled Release of Bupivacaine
- 10,308,864: Core Shell Triggered Release Systems
- 10,421,894: Methods and Materials for Controlled Release Materials in a Subterranean Reservoir
- 10,501,687: Encapsulation and Controlled Delivery of Strong Mineral Acids
- 11,041,117: Encapsulation and Controlled Delivery of Strong Mineral Acids
- 11,078,404: Methods and Materials for Controlled Release Materials in a Subterranean Reservoir
- 11,078,411: Methods and Materials for Controlled Release of Desired Chemistries
- 11,147,763: Vaginal Ring with Visual Indication of Use
- 11,518,971: Method and Apparatus for Spatial Control of Cellular Growth
- 11,828,685: Syntactic Foams as Mechanically-Triggered Capture Vehicles



Li Han, Ph.D.

10,845,349: An Encased Polymer
Nanofiber-based Electronic Nose

11,714,075: An Encased Polymer
Nanofiber-based Electronic Nose



Mark William Pope

10,574,817: Method of Using Call for Service Data in Analytic Capacity



Marty A. Lail, Ph.D.

- 10,286,383: Mixed Metal Iron Oxides and uses thereof
- 10,265,677: Regenerable Sorbent for Carbon Dioxide Removal
- 10,549,233: Regenerable Solvent Mixtures for Acid-Gas Separation
- 10,960,345: Regenerable Solvent Mixtures for Acid-Gas Separation
- 11,559,763: Regenerable Solvent Mixtures for Acid-Gas Separation
- 10,166,503: Water Control in Non-Aqueous Acid Gas Recovery Systems
- 10,232,344: Solid Sorbent Materials For Acid-Gas Separation
- 11,406,971: Method of Making Confined Nanocatalysts within Mesoporous Materials and Uses Thereof
- 11,559,793: Perovskite Catalysts and Uses Thereof
- 11,179,704: Perovskite Catalysts and Uses Thereof
- 11,767,225: Solid-State Crystallization of Metal Organic Frameworks within Mesoporous Materials Methods and Hybrid Materials Thereof
- 11,795,122: Reaction Process Involving Capillary Condensation Within a Microporous Catalyst
- 11,795,554: Method of Producing Isopropanol from Electrochemical Reduction of Carbon Dioxide and Related Copper-Based Electrocatalysts
- 11,452,970: Calcium Cobalt Zirconium Perovskites as Oxygen-Selective Sorbents for Gas Separation
- 11,285,430: Nitrosamine decomposition in non-aqueous solvents
- 11,612,854: Non-aqueous Solvent for CO₂ Capture in a Rotating Packed Bed
- 11,123,712: Catalysts Utilizing Carbon Dioxide for the Epoxidation of Olefins



Maurice A. Martin

10,574,817: Method of Using Call for Service Data in Analytic Capacity



Mustapha Soukri, Ph.D.

- 10,232,344: Solid Sorbent Materials For Acid-Gas Separation
- 10,954,181: Process for Selectively Recovering a Phenolic Compound from Feedstock Comprising Bio-Crude and/or Bio-oil
- 10,994,261: Polyamine Phosphorus Dendrimer Materials for Carbon Dioxide Capture
- 11,406,971: Method of Making Confined Nanocatalysts within Mesoporous Materials and Uses Thereof
- 11,767,225: Solid-State Crystallization of Metal Organic Frameworks within Mesoporous Materials Methods and Hybrid Materials Thereof
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- 11,123,712: Catalysts Utilizing Carbon Dioxide for the Epoxidation of Olefins
- 11,413,572: Method for emissions control in solvent-based CO₂ capture processes using CO₂
- 11,612,854: Non-aqueous Solvent for CO₂ Capture in a Rotating Packed Bed
- 11,691,105: Rotating Packed Beds with Internal Heat Transfer for Absorption/Regeneration Applications



Rangan Maitra, Ph.D.

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