Start-Up Awards

Carmen Lozzio
K-562 Cell Lines

Ming Qi, Thomas Zawodzinski, and Shane Foister
Novel Near-Reversible Oxygen Reduction Catalyst

Neal Schrick, Lannett Edwards, and Louisa Rispoli
Antibody for Skewing Sex Ratio

License Certificates

Jonathan Wall, James Foster, and Stephen Kennel
Pre-Targeting Immunotherapy for Amyloidosis

Doug Birdwell, Tse-Wei Wang, David Icove, Roger Horn, and Puneet Yadav
High-Performance Methods for Search and Retrival of Multidimensional Data

David Mandrus, Michael Koehler, and Veerle Keppens
TennXC Crystals

Ramez Elgammal and Alexander Papandrew
Novel Catalyst for Solid Acid Fuel Cells

C.A. Speer, Shigetoshi Eda, Catherine Scott, and Brad Elliott
Method for Diagnosing Infectious Diseases

Dayakar Penumadu
Smart Joint

Jennifer Richards, Amy Beavers, and Molly Albin
Hands On: Real World Lessons for Middle School Classrooms

Innovation Driver Award Nominees

UTRF INNOVATION Driver

Daniel Costinett
Assistant Professor, Electrical Engineering & Computer Science, UTK

Brett Compton
Assistant Professor, Mechanical, Aerospace & Biomedical Engineering, UTK

Tarek Hewezi
Associate Professor, Plant Sciences, UTIA

2018 Maturation Grants

Theresa Abrams, Ky Pohler, Jayne Wu, Shigetoshi Eda, Emily Martin, Jonathan Wall, Stephen Kania, David A. Bemis, and Linda A. Frank

UT RESEARCH FOUNDATION

600 S. Henley Street, Suite 211 • Knoxville, TN 37996
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INNOVATION AWARDS

December 5, 2017
11:00 AM - 1:00 PM

The Foundry on the Fair Site

2017 INNOVATION AWARDS

Welcome/Lunch	*Dr. Stacey S. Patterson, UTRF President*
Featured Speaker	*Dr. Tami Wyatt, UTK College of Nursing/HITS Lab*
Wheeley Award Presentation	*Mr. Robert Wheeley, Mr. Larry Perry*
Presentations:	
Patents	
Start-Up Awards	
License Certificates	
Innovation Driver Award	
2018 Maturation Grants	
Closing Remarks	*Dr. Stacey S. Patterson*

UTRF Licensing Staff

Dr. Maha Krishnamurthy
UTRF Assistant VP of Licensing

Dr. Nghia Chiem
UTRF Licensing Associate

Dr. Andreana Leskovjan
UTRF Licensing Associate

Dr. Kusum Rathore
UTRF Licensing Assistant

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Patents

Charles Melcher, Mariya Zhuravleva, Luis Stand, and Hua Wei
Intrinsic Complex Halide Elpasolite Scintillators and Methods of Making and Using Same

Charles Melcher, Merry Koschan, and Mohit Tyagi
Radiation Detector for Imaging Applications with Stabilized Light Output

Charles Melcher, Mariya Zhuravleva, and Luis Stand
Ternary Metal Halide Scintillators

Charles Melcher and Merry Koschan
Laser Etched Scintillation Detector Blocks with Internally Created Reflectors

Mariya Zhuravleva and Kan Yang
Chloride, Bromide and Iodine Scintillators with Europium Doping

Laurence Miller
Methods, Systems and Computer Readable Storage Media Storing Instructions for Determining Patient Specific Treatment Planning Margins

Jacqueline Whittemore and Katherine Kottkamp
Flexible and Rigid Endoscopic Training Device (Fred)

Dayakar Penumadu
Polymer Composite-Based Thermal Neutron Detectors

Joseph Bozell and Sabornie Chatterjee
Metal Catalyzed Oxidation of Lignin and Related Compounds

Doug Birdwell, Carl Sapp, N. Quentin Haas, Scott Hansen, and Timothy Wentz
Method and Apparatus for Mobile Disaster Victim Identification

Baoshan Huang, Philip Ye, Xiang Shu, and Sheng Zhao
Development of a Renewable Carbon-Based Bio-Modifier for Asphalt Cement

Karen Tobias
Device for Securing an Object to a Subject and Wound Closure

Philip Ye and Lu 'Shirley' Liu
Methods, Systems and Devices for Simultaneous Production of Lactic Acid and Propylene Glycol from Glycerol

Jonathan Wall, Timothy Sparer, and Stephen Kennel
Inhibitory Peptides of Viral Infection

Jayne Wu and Shigetoshi Eda
Method and Apparatus for Detection of a Biomarker by Alternating Current Electrokinetics

Eric Lukosi
Thermal Neutron Detector and Gamma-Ray Spectrometer Utilizing a Single Material

Jayne Wu and Hairong Qi
Method and Apparatus for Enhanced Detection of Toxic Agents

Jayne Wu
Pulse Amplitude Modulated Chlorophyll Fluorometer

Ida Lee
High Throughput Reproducible Cantilever Functionalization

Lawrence Senesac
Standoff Spectroscopy Using a Conditioned Target
Photoacoustic Point Spectroscopy
Reverse Photoacoustic Standoff Spectroscopy
Photoacoustic Microcantilevers
Sensor for Detecting and Differentiating Chemical Analytes

Bin Hu
Transparent Conductive Nano-Composites

Philip Rack
Doped Carbon Nanostructure Field Emitter Arrays for Infrared Imaging

Tolga Aytug
Chemical Solution Deposition Method of Fabricating Highly Aligned MgO Templates