



THE UNIVERSITY OF TENNESSEE

UT RESEARCH
FOUNDATION

INNOVATION
AWARDS

December 7, 2017
11:00 AM - 1:00 PM

*Wassell Randolph
Student Alumni Center Dining Hall*

UT THE UNIVERSITY OF
TENNESSEE
HEALTH SCIENCE CENTER.



2017

INNOVATION AWARDS

Welcome

*Richard Magid, Ph.D.
UTRF Vice President*

Chancellor's Message

*Steve J. Schwab, M.D.
Chancellor, UTHSC*

Spotlight Presenter

*Monica Jablonski, Ph.D.
Professor of Ophthalmology, UTHSC*

Keynote Speaker Introduction

*Lakita Cavin, J.D., Ph.D.
Senior Staff Attorney, UTRF*

Keynote Address

*Chris West
Entrepreneur-in-Residence, UTRF*

**Innovation Award
Recognition**

*Richard Magid, Ph.D.
UTRF Vice President*

Spotlight Presenter

*Mojdeh Dehghan, D.D.S.
Assistant Professor of Dentistry, UTHSC*

Closing Remarks

*Lakita Cavin, J.D., Ph.D.
Senior Staff Attorney, UTRF*



Keynote Speaker: Chris West

Chris West is UTHSC's first Entrepreneur-in-Residence (EIR). The EIR position is a shared resource between Memphis Bioworks Foundation and UTRF to continue encouraging innovation and entrepreneurship in Memphis and West Tennessee. Chris is a former Executive in the Healthcare Industry and comes to UTHSC with over 20 years of experience in tactical and strategic marketing for the pharmaceutical and biotech industries. He brings a commercially minded viewpoint to the EIR position, as well as experience in working with cross-functional teams with researchers and clinicians. Chris's work with these teams deepened his knowledge of how science can be applied to solve real-world patient needs and create products that have value in the marketplace, making him the perfect candidate for his new role. He has launched multiple products as a member of marketing teams, but also held strategic marketing roles leading new product development and lifecycle management for existing portfolios.



As the UTHSC EIR, Chris will further UTRF's activities by acting as a business mentor and commercialization advisor for UTHSC researchers with the goal of helping them translate their research innovations into commercial products or startup companies. This entails working with researchers to set development milestones to improve their concept and de-risk investment by potential investors, and thinking about and assessing the pros and cons of different avenues to commercialization. In addition, Chris also works with UTRF to review applications for the UTRF Maturation Grants, an annual seed funding program that provides direct support to advance high-potential projects. His primary areas of focus will be pharmaceuticals, biotechnology, and medical devices.

Chris received his BS from United States Military Academy at West Point and a MBA from Duke's Weekend Executive MBA program. He was recruited to Memphis to help establish the Commercial Organization for GTx, Inc. which was founded on a UTHSC innovation. Chris has been happily married for 27 years and has 13 year old twin boys (Jake and Bobby).

Spotlight Presenters

Dr. Monica Jablonski is a Professor in the Department of Ophthalmology, the Department of Anatomy and Neurobiology, and the Department of Pharmaceutical Sciences at UTHSC. She received her BS in Biology and Chemistry from Mount Mary College, Milwaukee, WI. She received her PhD in Physiology from the Medical College of Wisconsin, Milwaukee, WI. She was a Postdoctoral Fellow at Baylor College of Medicine, in Houston, TX. Dr. Jablonski is also a Fellow of the Association for Research in Vision and Ophthalmology. She is currently the Associate Dean for Postdoctoral Affairs, College of Graduate Health Sciences at UTHSC.



Monica Jablonski, Ph.D.,
FARVO

Dr. Jablonski's research interests include mechanisms that regulate photoreceptor outer segment assembly, mouse models of eye disease, genetic modulators of glaucoma, and formulations for sustained delivery of ophthalmic therapeutics. She is the inventor on two granted patents for her work at UTHSC.

Dr. Jablonski has been on the faculty at UTHSC for almost 21 years.



Mojdeh Dehghan, DDS

Dr. Mojdeh Dehghan is a graduate of Baylor College of Dentistry. She is currently an Associate Professor, and Associate Director Division of Esthetic Dentistry in the Restorative Dentistry Department, at the University of Tennessee College of Dentistry, and has over 25 years of private practice experience. Dr. Dehghan holds several national leadership positions including member of the Board of Directors for the American Association of Women Dentists (2017-2018), the AAWD representative for the American Dental Association Diversity and Inclusion Committee (2016-2017), and a member of the University Relations Committee of the American Association of Cosmetic Dentistry (2014-2016).

In 2016 Dr. Dehghan was selected to serve on the Academy of General Dentistry/Glasko Taskforce "to determine guidelines for detection and treatment of tooth erosion". She has received several national awards for her research and service including the 2015 AAWD Proctor and Gamble/ Gillette Hayden Memorial Foundation Research Award and Grant, and the 2015 American Dental Association Council of Dental Education and Licensure Scholarship and Award.

She is a dental Consultant for several rehabilitation and treatment centers for patients with Eating Disorders in Tennessee.

UT Health Science Center Recently Issued Patents

9,493,403

Treating Androgen Decline in Aging Male (ADAM) - Associated Conditions with SARMS

Duane D. Miller, Yali He, James T. Dalton & Donghua Yin

UTHSC College of Pharmacy, Department of Pharmaceutical Sciences

9,566,255

Method for Regulating Retinal Endothelial Cell Viability

Charles Ryan Yates, Duane D. Miller, Jordan Toutounchian & Jena Steinle

UTHSC College of Pharmacy, Department of Pharmaceutical Sciences

9,604,916

Method of Treating Androgen Receptor (AR)-Positive Breast Cancers with Selective Androgen Receptor Modulator (SARMS)

Ramesh Narayanan, Sunjoo Ahn, Mitchell Steiner & James T. Dalton

UTHSC College of Medicine, Department of Medicine-Hematology

9,622,992

Method of Treating Androgen Receptor (AR) - Positive Breast Cancers with Selective Androgen Receptor Modulators (SARMS)

Ramesh Narayanan, Sunjoo Ahn, Mitchell Steiner & James T. Dalton

UTHSC College of Medicine, Department of Medicine-Hematology

9,642,925

Magnetic Nanoparticle Formulations, Methods for Making Such Formulations, and Methods for Their Use

Subhash Chauhan, Meena Jaggi & Murali Yallapu

UTHSC College of Pharmacy, Department of Pharmaceutical Sciences

9,700,246

Method and Device for Detection of Bioavailable Drug Concentration in a Fluid Sample

Edward Chaum, Erno Lindner & Jidong Guo

UTHSC College of Medicine, Department of Ophthalmology

9,730,908

SARMS and Method of Use Thereof

Duane D. Miller, Ramesh Narayanan, Thamarai Ponnusamy & James T. Dalton

UTHSC College of Medicine, Department of Medicine-Hematology & College of Pharmacy, Department of Pharmaceutical Sciences

9,744,108

Methods and Compositions for Preventing and Treating Tooth Erosion

Mojdeh Dehghan & Daranee Versluis-Tantbirojn

UTHSC College of Dentistry, Department of Restorative Dentistry

9,744,149

Method of Treating Androgen Receptor (AR)-Positive Breast Cancers with Selective Androgen Receptor Modulators (SARMS)

Ramesh Narayanan, Sunjoo Ahn, Mitchell Steiner & James T. Dalton

UTHSC College of Medicine, Department of Medicine-Hematology

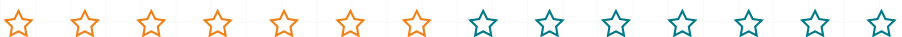
UT Health Science Center Recently Licensed Technologies

Marko Radic	Autoantibody to Heterogeneous Nuclear Ribonucleoprotein (hnRNP) P2 <i>Licensee: KeraFAST, Inc.</i>
Monica Jablonski & Mohamed Moustafa	New Topical Formulations to Deliver Drugs to the Anterior Segment of the Eye <i>Licensee: Tisbury Pharmaceuticals, Inc.</i>
Subhash Chauhan & Meena Jaggi	MUC13 Antibodies for Cancer Diagnosis and Treatment <i>Licensee: EMD Millipore Corporation</i>
Denis DiAngelo, Chloe Chung & Daniel Hoyer	Distractive Mobility-Enabling Spinal Orthosis <i>Licensee: EMBrace Design, Inc.</i>
Guy Reed	Two Monoclonal Antibodies that Specifically Inhibit Plasminogen Activated Induced By TPA <i>Licensee: EmstoPA, Ltd.</i>

Start-up Companies

UT Inventors & Founders

Denis DiAngelo, Chloe Chung & Daniel Hoyer	Mobility Preserving Braces to Relieve Back Pain <i>Start-up: EMBrace Design, Inc.</i>
Guy Reed	Antidote to Treat Bleeding Caused by Tissue Plasminogen Activator <i>Start-up: EmstoPA, Ltd.</i>





**UT RESEARCH
FOUNDATION**

MATURATION GRANT FUNDING

2018 Maturation Grant Awards

Hao Chen

YoRodents: Applying Artificial Intelligence to Analyze Rodent Social Behavior

UTHSC College of Medicine, Department of Pharmacology

**L. Darryl Quarles
& Zhousheng Xiao**

Novel FGF-23 Inhibitors to Treat Disorders of FGF-23 Excess

UTHSC College of Medicine, Department of Medicine-Nephrology

**Monica Jablonski &
Mohamed Moustafa**

Extended Release Formulation of a New Glaucoma Therapy

UTHSC College of Medicine, Department of Ophthalmology

Mark Lister

Supplemental Tube Feeder

UT Martin, College of Engineering and Natural Sciences

2018 Phase 2 Maturation Grant Award

**Mojdeh Dehghan,
Hassan Almoazen &
Daranee
Versluis-Tantbirojn**

Neutramel Lollipops & Lozenges: Easy, Practical, and Immediate Saliva Neutralization and Remineralization for Treatment of Tooth Erosion

*UTHSC College of Dentistry,
Department of Restorative Dentistry and
College of Pharmacy,
Department of Pharmaceutical Sciences*



UTRF Health Science Center FY 2017 Metrics

Invention Disclosures	Licenses & Options	U.S. Patents Filed	U.S. Patents Issued	Startups
50	3	28	7	1

License Revenue **\$563,835**



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