

Schedule of Events

8:00 a.m.
Registration
Executive Offices Foyer

8:00 a.m. – 10:30 a.m. Continental Breakfast Foyer

8:30 a.m. – 10:00 a.m. Lightning Sessions(See page 4 for session assignments.)

10:00 a.m. – 11:30 a.m. Lightning Sessions(See page 4 for session assignments.)

11:30 a.m. – 12:45 p.m. Luncheon and Panel Ballroom A

12:45 p.m. – 1:00 p.m. Welcome

John M. Mason, Jr., Vice President for Research and Economic Development Auditorium

1:00 p.m. – 2:00 p.m. Auburn Talks Presentations Auditorium (See page 4 for list of presentations.)

2:00 p.m. – 3:00 p.m. Research EXPO

(See page 5 for list of Offices, Institutes, Centers, and Initiatives.)

2:00 p.m. – 3:00 p.m.
Integrating Research and Teaching:
Transformative Examples
Diane Boyd, Director of the Biggio Center for the
Enhancement of Teaching and Learning
Terrace Room
(See page 4 for description.)

3:00 p.m. – 4:30 p.m. Auburn Talks Presentations Auditorium (See page 4 for list of presentations.)

4:30 p.m. – 6:00 p.m. Interactive Poster Session Ballroom A & B (See pages 5-10 for presentations.)

SAVETHE DATE THIS IS RESEARCH.
STUDENT SYMPOSIUM

APRIL 13, 2017

AWARDS CEREMONY • APRIL 20, 2017

auburn.edu/thisisresearch #AuburnResearch

Welcome



Welcome to Auburn University's 2016 This Is Research Faculty Symposium. From today's lightning sessions to our series of Auburn Talks featuring a variety of prominent Auburn researchers, a major goal of this event is to foster interdisciplinary engagement and collaboration while showcasing some of our scholars' finest work. As you visit poster sessions, listen to presentations, and engage in conversation with Auburn researchers, know that we appreciate your participation, and we look forward to more collaborations that will continue to impact our society in great ways.

John M. Mason, Jr.
Vice President for Research
and Economic Development

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College of Education
Samuel Ginn College of Engineering
School of Forestry and Wildlife Sciences
College of Human Sciences
College of Liberal Arts
School of Nursing
Harrison School of Pharmacy
College of Sciences and Mathematics
College of Veterinary Medicine
Jule Collins Smith Museum of Fine Art

Lightning Sessions

8:30 a.m. – 10:00 a.m.

Nanoscience

Meeting Room A

Neuroscience

Meeting Room B

Additive Manufacturing/3D Printing

Meeting Room C

Applied Arts and Design

Meeting Room D

One Health/Public Health

Ballroom B Left

Environmental Sciences/Natural Resources

Ballroom B Right

10:00 a.m. – 11:30 a.m.

Occupational Safety and Health Well-Being

Meeting Room A

Social Justice

Meeting Room B

Fine Arts

Meeting Room C

Practical Applications of Digital Technology

Meeting Room D

Sustainability

Terrace III

Biomedical Discovery/Genetics

Ballroom B Left

New Approaches to STEM Education

Ballroom B Right

Auburn Talks Presentations

Auditorium

(Listed in order of presentation.)

1:00 p.m. – 2:00 p.m.

Green Side Up - How Turfgrasses Work in Society & Science

Beth Guertal, professor, Department of Crop, Soil, &

Environmental Sciences; College of Agriculture

The Upside of Sweating It: Protective Responses to Social Stress in Childhood & Adolescence

Stephen Erath, associate professor and director of graduate programs, Department of Human Development and Family Studies; College of Human Sciences

Research, Representation, & Recovery: New Uses of 3D Scanning in the Built Environment

Danielle Willkens, visiting assistant professor, School of Architecture, Planning and Landcape Architecture; and **Junshan Liu**, associate professor, McWhorter School of Building Science; College of Architecture, Design and Construction

Complex Plasmas: How the 4th State of Matter Can Represent all Four States of Matter

Ed Thomas, professor, Department of Physics; College of Sciences and Mathematics

Gene Therapy for Neurologic Disease

Doug Martin, professor, Department of Anatomy Physiology and Pharmacology and Scott-Ritchey Research Center; College of Veterinary Medicine

3:00 p.m. – 4:30 p.m.

Making Sure Your Vote Counts

Kathleen Hale, professor and M.P.A director, Department of Political Science; College of Liberal Arts

Signals: How We Communicate About Nearly Everything

Brian Connelly, professor and Luck eminent scholar, Department of Management; Raymond J. Harbert College of Business

Improving Healthcare Access Through Pharmacy-based Innovations

Salisa Westrick, associate professor, Department of Health Outcomes Research and Policy; Harrison School of Pharmacy

Type 2 Diabetes Self-Management

Caralise Hunt, assistant professor; School of Nursing

Conserving Wildlife in a Human Dominated World

Chris Lepczyk, associate professor; School of Forestry and Wildlife Sciences

Constraints Led Game Design in Physical Education

Peter Hastie, professor, School of Kinesiology; College of Education

4D Imaging

Brian Thurow, W. Allen and Martha Reed associate professor, Department of Aerospace Engineering; Samuel Ginn College of Engineering

Integrating Research and Teaching: Transformative Examples

Terrace Room

2:00 p.m. - 3:00 p.m.

Diane Boyd, Director of the Biggio Center for the Enhancement of Teaching and Learning

Terrace Room

One way to increase Auburn's collective efficacy as a research university dedicated to quality instruction is to co-create an environment committed to the integration of research and teaching. This transformative culture shift improves our research profile, which will have a positive impact on our competitiveness for extramural funding. Panelists will examine issues related to instructional research and discuss their publications and ongoing projects. Participants will have ample opportunity to ask questions and network with other faculty interested in teaching as research.

Research EXPO

Ballroom A

2:00 p.m. - 3:00 p.m.

Undergraduate Research

Sponsored Programs

Proposal Services and Faculty Support

Research Security

External Engagement & Support/Auburn Research and Technology Foundation (ARTF)

Research Compliance

Innovation Advancement and Commercialization

Auburn University Huntsville Research Center

AU Research Instrumentation Facility

CLA Lucia Lab

UAV at Airport

Auburn Cyber Research Center

Auburn University Food Systems Institute (AUFSI)

Auburn University Magnetic Resonance Imaging Research Center (AUMRIRC)

Canine Performance Sciences Program

Scott-Ritchey Research Center

NSF Center for Advanced Vehicle and Extreme Environment Electronics (CAVE3)

Center for Bioenergy and Bioproducts

Center for Health Ecology and Equity Research (CHEER)

Center for Environmental Studies at the Urban Rural Interface

Forest Products Development Center

Geospatial Research and Applications Center (GRAC)

Aquaculture and Fisheries Business Institute

International Center for Climate and Global Change Research

Boshell Diabetes and Metabolic Diseases Research Program

Auburn University Research Initiative in Cancer

Auburn University Water Resources Center

Auburn Center for Evaluation

RFID Lab

Highway Research Center

National Poultry Technology Center (NPTC)

Warrior Research Center

Alabama Center for Paper and Bioresource Engineering

Auburn University Detection and Food Safety Center

The Materials Research and Education Center

AU Specialized Pharmaceutical and Experimental Center for Translational Research and Analysis (SPECTRA)

Auburn Laboratory for Imaging Animal Systems (Project ALIAS)

Center for Clinical and Translational Science (University of Alabama at Birmingham)

Interactive Poster Session

Ballrooms A and B

4:30 p.m. – 6:00 p.m.

(Additional authors and details can be found at: https://cws.auburn.edu/OVPR/pm/thisisresearch/faculty)

AGRICULTURE

1. Alan Wilson

Fisheries, Aquaculture and Aquatic Sciences

Do Toxic Cyanobacterial Blooms Threaten Alabama's

Freshwater Resources?

2. Ken Macklin

Poultry Science

Salmonella Enteritidis Colonization in Broiler Chickens Following an Intertracheal and Subcutaneous Challenge

3. Xing Ping Hu

Entomology and Plant Pathology

Discovery of Constitutional and Inducible Anti-Bacterial Activities Against Infectious Human Pathogens in Termite

4. Terry Hanson

Fisheries, Aquaculture and Aquatic Sciences

Improving Aquaculture's Value Through Enhanced Nutrient

Management

5. Luxin Wang

Animal Sciences

Transmission and Persistence of Salmonella in Animal Production Area

6. Sang-Wook Park

Entomology and Plant Pathology

Cyclophilin 20-3, an Integrative Hub Between Jasmonate and Light Signaling

7. Alana Jacobson

Entomology and Plant Pathology

Population Genetic Structure of Frankliniella fusca

8. Nannan Liu

Entomology and Plant Pathology

A Rhodopsin-Like G-Protein Coupled Receptor in Insecticide Resistance of Mosquitoes, Culex quinquefasciatus

9. Yi Wang

Biosystems Engineering

Enhancement of Sucrose Metabolism through Metabolic Engineering in Solventogenic Clostridia for Improved Biobutanol Production

10. Jasmeet Lamba

Biosystems Engineering

Sediment Fingerprinting to Identify the Sources of In-Stream Sediment in an Urban Watershed

11. David Blersch

Biosystems Engineering

All the World's a Stage: Engineering Topography with 3D Printing for Designer Periphytic Biofilms

12. Oladiran Fasina

Biosystems Engineering

Preparing Biomass Feedstock for Bioeconomy of the Future

13. Sushil Adhikari

Biosystems Engineering

Catalytic Upgrading of Bio-oil Produced from Hydrothermal Liquefaction of Alqae

ARCHITECTURE, DESIGN AND CONSTRUCTION

1. Salman Azhar

McWhorter School of Building Science

Low Cost Scanning and Visualization Technologies for Design and Construction

2. Wesley Collins and Lauren Redden

McWhorter School of Building Science

Development of an Interactive Study Tool for the Architectural Registration Examination

3. Wesley Collins

McWhorter School of Building Science

Analysis of Change Orders on Large Projects at Auburn University

4. Matthew Hall

School of Architecture, Planning and Landscape Architecture Sigurd Lewerentz: Context, Fragments and Influence

5. Charlene LeBleu and Keith Rahn

School of Architecture, Planning and Landscape Architecture, McWhorter School of Building Science

Mitigating Heat Transfer from Impervious Surfaces to Stormwater Discharge Using Alternative Design Methods and Pavement Types

6. John Pittari

School of Architecture, Planning and Landscape Architecture Towards a Connectivity Plan for Downtown Birmingham

BUSINESS

1. Dora Bock

Marketing

When Small Talk Isn't So Small: The Impact of Mutual Disclosure on Salesperson Performance

2. Travis Holt

Accountancy

A Comparative Analysis of Investor and Auditor Materiality Judgments

3. Ashish Gupta

Systems & Technology

A Novel Analytics Based Approach for Sports Injury Risk Prevention & Management

4. Jitka Hilliard

Finance

Payday Lenders: The Good and The Bad

5. Rafay Ishfaq

Supply Chain Management

SKU Classification Scheme for Improving Retail Store Operations

6. Tewhan Hahn

Business Administration, Auburn University Montgomery Do IPO Issuers Self-Select into Commercial Bank Underwriters?

7. Ravi Chinta

Business Administration, Auburn University Montgomery

An Empirical Explanation of Longitudinal Performance Profiles
of Firms

8. Don Amoroso

Information Systems, Auburn University Montgomery The State of Mobile Device Adoption in Southeast Asian Countries

EDUCATION

1. Michael D. Roberts

School of Kinesiology

Whey Protein-derived Exosomes Increase Protein Synthesis in C2C12 Myotubes

2. Gretchen Oliver

School of Kinesiology

Segmental Sequencing of Female Novice Team Handball
Athletes

3. Keith Lohse

School of Kinesiology

Building a Centralized Open- Access Rehabilitation database for Stroke (SCOAR)

4. Joni Lakin

Educational Foundations, Leadership and Technology Evaluating the Impact of K-12 Science and Engineering Interventions

5. Sean Forbes

Educational Foundations, Leadership and Technology Leveraging Local Crises to Grow Sustainable Community

6. Linda Searby

Educational Foundations, Leadership and Technology The Use of Simulations in Leadership Decision Making

7. Christine Schnittka

Curriculum and Teaching

Save the Animals! STEM Education for Middle School

ENGINEERING

1. Bryan Chin

AU Detection and Food Safety Center - Mechanical Engineering Pathogen Detection by Biomolecular Filtering and Automated Sensor Measurement

2. Allan David

Chemical Engineering

"Smart" Nanomaterials for Biomedical Applications

3. Joel Hayworth

Civil Engineering

Endocrine Disrupting Hormones and Steroids in Estuarine Sediments

4. Shiwen Mao

Wireless Engineering

Deep Learning for Indoor Localization Using Channel State Information

5. Elizabeth Lipke

Chemical Engineering

Fabrication of Cell-laden Hydrogel Microspheres for Human Cardiac Tissue Production and Injectable Therapeutic Cell Delivery

6. Anthony Skjellum

Computer Science and Software Engineering The Internet of Things

7. Wei-Shinn "Jeff" Ku

Computer Science and Software Engineering
Indoor Spatial Query Evaluation and Trajectory Tracking with
Bayesian Filtering Techniques

FORESTRY AND WILDLIFE SCIENCES

1. Sarah Zohdy

Malaria in Madagascar: Intergrative Ecohealth Approaches to Disease Surveillance

2. Christopher Anderson

Changing Wetland Functions Across Human Dominated Landscapes

3. Robert Gitzen

Dig Me Out, Dig Me In: Ecology and Conservation of a Southeast Endemic Mammal

4. Lori Eckhardt and Brian Via

Acoustic Stiffness Characterization of Loblolly Pine (Pinus taeda L.) Families used for Improved Forest Health

5. Brian Via and Lori Eckhardt

Response of Different Mature Loblolly Pine (Pinus taeda L.) Families to Leptographium terebrantis and Grosmannia huntii

HUMAN SCIENCES

1. Di Samek

Human Development and Family Studies

Antisocial Peer Affiliation and Externalizing Disorders in the Transition from Adolescence to Young Adulthood: Selection Versus Socialization Effects

2. Brian Vaughn

Human Development and Family Studies

Relations Between a Measure of Child Attachment Security and Measures of Social and Cognitive Functioning in Preschool Age Children

3. Wi-Suk Kwon

Consumer and Design Sciences

A Virtual Pharmacist: Intelligent e-Pharmacy Literacy Aids for Senior Patients

4. Ben Hinnant

Human Development and Family Studies

Context Effects on Adolescent Risky Decision Making: Neuroimaging Pilot Studies

5. Veena Chattaraman

Consumer and Design Sciences

Simulating Human Decision-Making through Intelligent Language-Based Aids

6. Megan Haselschwerdt

Human Development and Family Studies

Family Violence Exposure During Childhood and Adolescence: Young Adults' Retrospective Experiences

7. Thomas Fuller-Rowell

Human Development and Family Studies

Racial Disparities in Sleep: The Role of Neighborhood Disadvantage

8. Thomas Fuller-Rowell

Human Development and Family Studies

Racial Discrimination and Sleep Problems among College Students: A Longitudinal Analysis

9. Alecia Douglas

Nutrition, Dietetics, and Hospitality Management

Restaurant Menu Nutrition Labelling: Consumer Acceptance of and Readiness to Use Mobile Augmented Reality Applications at the Point of Purchase

10. Yee Ming Lee

Nutrition, Dietetics, and Hospitality Management Food Allergy Knowledge and Training in the Restaurants: Managerial Staff Versus Employees

11. Melanie Duffey

Consumer and Design Sciences

Visual Preference Surveys: A Methodological Recommendation Applying Point Pattern Analysis

12. Ramesh Jeganathan

Nutrition, Dietetics, and Hospitality Management High Fat Diet Induces Brain Insulin Resistance and Cognitive Impairment in Mice

13. Mike Green

Nutrition, Dietetics, and Hospitality Management

The Pathophysiology of the Western Diet Underlies Liver Disease
and Colon Cancer

14. David Martin

Nutrition, Dietetics, and Hospitality Management
The Effect of Fan Identity on Perceptions of Violence: A Study
Applying Functional Magnetic Resonance Imaging

LIBERAL ARTS

1. Morris Bian

History

Interpreting Chinese Political Economy: Transformation and Evolution in the Twentieth Century and Beyond

2. Wendy Gray

Psychology

Adherence to Medication for Attention-Deficit/Hyperactivity Disorder during the Transition to College

3. Sacha Pence

Psychology

Preferences for Distributed and Accumulated Reinforcer Delivery: Effects of Task Difficulty and Schedule Arrangements

4. Laura Plexico

Communication Disorders

Resilience, Coping, and Satisfaction of Life in People who Stutter

5. Mark Wilson

Caroline Marshall Draughon Center for the Arts & Humanities *Dialogues on the Experience of War*

6. Tannista Banerjee

Economics

Consumer Response to Lower Taxes and Subsidy

M. Christopher Newland

Psychology

Epigenetic and Behavioral Influences of Adolescent Methylmercury Exposure in Mice

8. Kelli R. Thompson

Psychology

Profiles of the Forms and Functions of Aggression and Psychosocial Outcomes in Two Distinct Juvenile Offender Populations

9. Keith Hebert

History

Drinking the Bitter Dregs of Defeat: Confederate Veterans and Domestic Violence

10. Rolando Carol

Psychology, Auburn University Montgomery

Being a Good Witness: Rapport-building's Effect on Eyewitness Recall

11. Kimberly Pyszka

Sociology, Anthropology and Geography, Auburn University Montgomery

Digging Our Own History: Archaeological Research into AUM's Tenant Farming Past

NURSING

1. Libba McMillan

Nursing Care of Rural Military Veterans: Building Partnerships Focused on Understanding the Veteran Experience

2. Mary Peterson

ICU Patients Receiving Prolonged Life Sustaining Treatments

PHARMACY

1. C. Randall Clark

Drug Discovery and Development

GC-MS Differentiation of the Six Regioisomeric

Dimethoxybenzoyl-1-pentylindoles Isomeric Cannabinoid Substances

2. Robert "Rusty" Arnold

Drug Discovery and Development

Effect of Phospholipase A2 Receptor (PLA2R) Expression on Tumorgenesis and Performance of Lipid-Nanomedicines in Prostate Cancer

3. Dmitriy Minond

Drug Discovery and Development

Discovery of a Selective, Time-dependent Inhibitor of ADAM10 Using an Exosite-binding Glycosylated Substrate

4. Peter Panizzi

Drug Discovery and Development

Multispectral Opto-Acoustic Tomography and Segmental 360-Degree Bioluminescent Imaging Both Show Potential for the Dynamic Study of Staphylococcal Infections

5. Jingjing Qian

Health Outcomes Research and Policy

Disclosure of Industry Payments to Prescribers: Industry Payments Might be a Factor Impacting Generic Drug Prescribing

6. Miranda Reed

Drug Discovery and Development

Peripherally Restricted Viral Challenge Elevates Extracellular Glutamate and Enhances Synaptic Transmission in the Hippocampus

7. Vishnu Suppiramaniam

Drug Discovery and Development

Enhancing Research Productivity of Harrison School of Pharmacy by Establishing a Center for Translational Neuroscience and Related Disorders

8. Heather Whitley

Pharmacy Practice

Hemoglobin A1C Screening Outcomes to Identify Undiagnosed Chronic Hyperglycemia in a Family Medicine Clinic

9. Margaret Williamson

Pharmacy Practice

An Interprofessional Approach to Community Wellness Screenings

10. Jianzhong Shen

Drug Discovery and Development

Identification of a Biased Agonist for P2Y2 Receptor to Suppress Pro-thrombotic Gene Expression in Human Coronary Artery Endothelial Cells

11. Jay Babu Ramapuram

Drug Discovery and Development

Co-delivery System of Doxorubicin and Ceramide in a Liposomal System for Cancer Chemotherapy

SCIENCES AND MATHEMATICS

1. Jon Armbruster

Biological Sciences

The Shape of Diversity: Evolution of Body Form and Ecology in Minnows

2. Anne Gorden

Chemistry and Biochemistry

Actinide Selective Coordination with Imines for Chemosensors and Sensing Materials

3. Geoffrey Hill

Biological Sciences

The Mitonuclear Compatibility Model of Sexual Selection

4. Luke Marzen

Geosciences

Identification and Classification of North Alabama's Geographically Isolated Wetlands Using Geographic Object Based Image Analysis (GeOBIA)

5. Konrad Patkowski

Chemistry and Biochemistry

Revised Damping Parameters for the D3 Dispersion Correction to Density Functional Theory

6. Wendy Hood

Biological Sciences

An Empirical Test of Mitochondrial Hormesis

7. Ayayi Ahyi

Physics

Fabrication and Electrical Characterization of Biomorphic Silicon Carbide

8. Li Dong

Geosciences

The Linkage Between Atmospheric Blocking and Drought in the Southeast US

9. Ming-Kuo Lee

Geosciences

Field-Scale Bioremediation of Arsenic-Contaminated Groundwater Using Sulfate Reducing Bacteria

10. Rita Graze

Biological Sciences

Sex Differences in Drosophila Somatic Gene Expression: Variation and Regulation by Doublesex

11. Stuart Loch

Physics

Extending Auburn Plasma Experiments into the Ultraviolet: Preparation for a Resubmission of a Proposal for a Collaboration on the DIII-D National Fusion Facility

12. Sarit Dhar

Physics

Wide Bandgap Semiconductor Science and Technology

13. Eduardus Duin

Chemistry and Biochemistry

Mode of Action Uncovered for the Specific Reduction of Methane Emissions from Ruminants by the Small Molecule 3-nitrooxypropanol

14. Holly Ellis

Chemistry and Biochemistry

Evolutionary Advantage of a π -helix in a Two-Component FMN Reductase Involved in Bacterial Sulfur Acquisition

15. Mike Fogle

Physics

Remote Earth Sensing with CubeSats

16. Sang-jin Suh

Biological Sciences

Elucidating the Global Effect of Ribosome Recycling in Pseudomonas aeruginosa

17. Chris Easley

Chemistry and Biochemistry

Studying Diabetes using Bioanalytical Chemistry at the Nanoliter Scale

18. Aaron Rashotte

Biological Sciences

Cytokinin and Oxidative Stress Tolerance: An Emerging Story in Arabidopsis and Tomato

19. Benedict Okeke

Biology, Auburn University Montgomery

Research on Development of a Neutraceutical Composition by Monascus purpureus Secondary Fermentation of Corn Ethanol Co-product

20. Babak Rahbarinia

Mathematics and Computer Science, Auburn University Montgomery

An Internet-scale Measurement Study of File Downloads

21. Yi Wang

Mathematics and Computer Science, Auburn University Montgomery

Sparse Representation of Non-stationary Signals Using Nonlinear Fourier Atoms

22. Luis Cueva-Parra

Mathematics and Computer Science, Auburn University Montgomery

Monte Carlo/Collision Based Kinetic Energy Transfer Computer Simulation for Vertical Flow through Non-consolidated Porous Media

23. Randy Russell

Chemistry, Auburn University Montgomery

Determining Cloud Albedos at Visible Wavelengths from

Surface-Based Measurements of Solar Radiation

24. Chelsea Ward

Biology, Auburn University Montgomery
Temperature Effects on the Anuran Immune System

25. Robert Underwood

Mathematics and Computer Science, Auburn University Montgomery

Automatic and Regular Sequences

26. Geetha Thangiah

Chemistry, Auburn University Montgomery

Overexpression of proNGF in Alzheimer's Disease Leads to

Neuronal Death

VETERINARY MEDICINE

1. Craig Angle

Canine Performance Sciences

Detection of Biological Agents Using Detection Dogs

2. Robert Judd

Anatomy, Physiology and Pharmacology Impact of Niacin on Nonalcoholic Steatohepatitis

3. Tatiana Samoylova

Scott-Ritchey Research Center

Intradermal Delivery of DNA Vaccines Targeting GnRHR

4. Bruce Smith

Pathobiology, Scott-Ritchey Research Center, AURIC Oncolytic Adenoviruses for the Treatment of Canine Osteosarcoma

5. Iryna Sorokulova

Anatomy, Physiology and Pharmacology

A Prebiotic Supplement Prevents Complications from Heat Stress

6. Vitaly Vodyanoy

Anatomy, Physiology and Pharmacology

After Oxidation Zinc Nanoparticles Lose the Ability to Enhance Responses to Odorant

7. Jey Koehler

Pathobiology

HypoxamiR Profiles in Three Canine High-grade Glioma Cell Lines

8. Aime Johnson

Clinical Sciences, Scott-Ritchey Research Center Microencapsulation for Enhanced Vaccine Delivery

AUBURN TALKS PRESENTERS

1. Beth Guertal

Crop, Soil and Environmental Sciences

Talk Title: Green Side Up - How Turfgrasses Work in Society and

2. Danielle Willkens and Junshan Liu

Architecture/Construction

Talk Title: Research, Representation, & Recovery: New Uses of 3D Scanning in the Built Environment

3. Brian Connelly

Management

Talk Title: Signals: How We Communicate About Nearly

Everything

4. Peter Hastie

School of Kinesiology

Talk Title: Constraints Led Game Design in Physical Education

5. Brian Thurow

Aerospace Engineering

Talk Title: 4D Imaging

6. Chris Lepczyk

Forestry and Wildlife Sciences

Talk Title: Conserving Wildlife in a Human Dominated World

7. Stephen Erath

Human Development and Family Studies

Talk Title: The Upside of Sweating It: Protective Responses to

Social Stress in Childhood & Adolescence

Poster Title: The Emotional Experience of Conversations in

Children with Communication Disorders

8. Kathleen Hale

Political Science

Talk Title: Making Sure Your Vote Counts

9. Caralise Hunt

Nursing

Talk Title: Type 2 Diabetes Self-Management

10. Salisa Westrick

Health Outcomes Research and Policy

Talk Title: Improving Healthcare Access Through Pharmacy-

based Innovations

Poster Title: Pharmacists' Role in Assisting Medicare Patients

11. Ed Thomas

Physics

Talk Title: Complex Plasmas: How the 4th State of Matter Can

Represent all Four States of Matter

Poster Title: Imposed, Ordered Dust Structures and Other

Plasma Features in a Strongly Magnetized Plasma

12. Doug Martin

Anatomy Physiology and Pharmacology and Scott-Ritchey Research Center

Talk Title: Gene Therapy for Neurologic Disease

THIS IS RESEARCH. Steering Committee

Jennifer Kerpelman, Chair John Liu Matthew Ragland Lorraine Wolf Art Chappelka Sridhar Krishnamurti Karen Rogers Ellen McManus Jonathan Cullum Bob Holm

Melisa Martinez Brandon Fincher Tony Ventimiglia Charles Martin Leslie Parsons Chris Green

ADDITIONAL SUPPORT

Lori Bugg Marc Haon Rachel Simpson Barb Bondy

AUBURN UNIVERSITY THIS IS RESEARCH 2016



INVITES YOU TO

SHOWCASE

THE WORK OF CREATIVE SCHOLARSHIP

A public exhibition featuring the creative scholarship and work by Auburn University faculty and students in the fields of fine art, performing arts, creative writing, applied design, and other related disciplines.

ADDITIONAL CREATIVE SCHOLARSHIP PROGRAMMING:

September 29, Noon to 1:00 p.m.

"A LITTLE LUNCH MUSIC"

featuring performance and discussion by student vocalist Jin Lee, Department of Music. Auditorium, Jule Collins Smith Museum of Fine Art

All events are free and open to the public.

View a complete online exhibition of Showcase: The Work of Creative Scholarship at aub.ie/ResearchShowcase

FOR MORE INFORMATION, CONTACT:

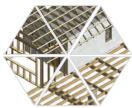
Jennifer Kerpelman, Professor & Associate Dean for Research, Outreach & Graduate Studies, and Chair, This is Research 2016 Phone: 844-3790

Karen Rogers, Associate Dean for Graduate Studies and Research, and Chair, Creative Scholarship Committee Phone: 844-4285

Jule Collins Smith Museum of Fine Art Phone: 844-1484 jcsm.auburn.edu

We gratefully acknowledge, with thanks, the contributions of the Jule Collins Smith Museum of Fine Art and the Department of Music for providing music for the opening reception.





September 17 through October 2, 2016

JULE COLLINS SMITH MUSEUM OF FINE ART AT AUBURN UNIVERSITY

901 South College Street, Auburn, AL

OPENING RECEPTION:

Thursday, September 22 5:00 – 7:00 p.m.



THIS IS AUBURN.

