

**TERRACE ROOM
HEALTH**

NUMBER	NAME(S)	COLLEGE/SCHOOL	DEPARTMENT/SCHOOL	TITLE
T1	Rajesh Amin; Vishnu Suppiramaniam; Robert Arnold; Orlando Acevedo	Pharmacy/University of Miami	Drug Discovery and Development	Novel PPAR-gamma Agonist Improve Diabetes Mediated Memory Impairment
T2	Jim Barbaree; I-Hsuang Chen; Yating Chia; Kiril Vaglenov; Bryan Chin	Sciences and Mathematics/Engineering	Biological Sciences; Mechanical Engineering	Characterization and Validation of Phage Oligopeptide Probes for Detection of Salmonella enterica
T3	Skip Bartol	Veterinary Medicine		Defining the Lactocrine-Sensitive Neonatal Uterine Transcriptome
T4	Christy Bratcher	Agriculture	Animal Sciences	Peracetic Acid as an Antimicrobial in Beef
T5	Steve Dobson	Sciences and Mathematics	Biological Sciences	The Presence and Influence of Incest on Fitness in Columbian Ground Squirrels
T6	Mona El-Sheikh	Human Sciences	Human Development and Family Studies	Sleep Deprivation and Disturbances in Neural Functioning in Adolescence
T7	Tom Fuller-Rowell	Human Sciences	Human Development and Family Studies	Socioeconomic Influences on Health Over a 20 Year Period: The Role of Perceived Discrimination
T8	Kim Garza; Justin Owensby; Kimberly Braxton Lloyd; Elizabeth Wood; Richard Hansen	Pharmacy	Health Outcomes Research and Policy	Effectiveness of Different Financial Incentives to Improve Medication Adherence
T9	Mike Greene	Human Sciences	Nutrition, Dietetics and Hospitality Management	Metabolic Phenotype and Adipose and Liver Features in the High Fat Western Diet-induced Mouse Model of Obesity-linked NAFLD
T10	Rick Hansen	Pharmacy	Health Outcomes Research and Policy	Antidepressant Medication Use and its Association With Cardiovascular Disease
T11	Ramesh Jeganathan	Human Sciences	Nutrition, Dietetics and Hospitality Management	New Players in Insulin Signaling
T12	Robert Judd; Emily Graff; Han Fang	Veterinary Medicine	Anatomy, Physiology and Pharmacology	High-fat Diet-Induced Adipose Tissue inflammation is Attenuated by Niacin in Both an Adiponectin-Dependent and Independent Manner

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T13	Bernhard Kaltenboeck; Erfan U. Chowdhury; Kh. Shamsur Rahman; Courtney A. Ober; Joseph Giambrone; Ram Gupta	Veterinary Medicine/Agriculture/Virginia Commonwealth University	Pathobiology/Poultry Science	A Fully Synthetic Ultralow Dose Peptide Vaccine for T Cell Immunity
T14	Sridhar Krishnamurti	Liberal Arts	Communication Disorders	Auditory Intervention for Individuals with Cognitive Decline
T15	Ann Lambert; Chih-hsuan Wang; Bonnie Sanderson	Nursing, Education	Educational Foundations, Leadership and Technology	Exploring Preventive Strategies of Childhood Obesity through Prenatal Education
T16	Wei Liu; Brandi Decoux	Education	Kinesiology	Cumulative Loading of the Medial Compartment of the Knee Joint during Tai Chi Gait in Patients with Knee Osteoarthritis
T17	Doug Martin	Veterinary Medicine	Scott-Ritchey Research Center; Anatomy, Physiology & Pharmacology	Gene Therapy for Neurologic Disease
T18	Wayde Morse	Forestry and Wildlife Sciences		Obesity and Physical Activity in Rural Alabama
T19	Megan Arnold; Chris Newland	Liberal Arts	Psychology	Does Experience During Adolescence Affect Learning in Adulthood? Variability Training in Adolescent Mice and Adult Learning in Two Strains
T20	Gretchen Oliver; Jessica Washington; Sarah Gascon	Education	Kinesiology	Kinetics of Youth Baseball Pitchers and Catchers
T21	Michele Olson	AUM	Kinesiology	Tabata Interval Exercise: Energy Expenditure and Post-Exercise Responses
T22	David Pascoe	Education	Kinesiology	Gastrointestinal Research Center (GIRC)
T23	David Riese	Pharmacy	Pharmaceutical Sciences	Validation of a High-throughput Screening Strategy for Potential Targeted Melanoma Therapeutics
T24	John Quindry	Education	Kinesiology	Effect of Chronic Dietary Quercetin Enrichment on Cardiac Function in Dystrophic Mice

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NUMBER	NAME(S)	COLLEGE/SCHOOL	DEPARTMENT/SCHOOL	TITLE
T25	Jennifer Robinson	Liberal Arts	Psychology	Neurofunctional Topography of the Human Hippocampus: A Novel Use of High-resolution Functional Neuroimaging
T26	Tatiana Samoylova; Alexandre Samoylov; Anna Cochran; Bettina Schemera; Michelle Kutzler; Caitlin Donovan; Valery Petrenko; Nancy Cox; Frank Bartol	Veterinary Medicine/ Oregon State University	Scott-Ritchey Research Center; Pathobiology; Laboratory Animal Health	Phage-peptide Constructs for Elucidation of Humoral Immune Responses Against Gonadotropin Releasing Hormone
T27	Elizabeth Schwartz	Sciences and Mathematics	Biological Sciences	Serotypes using a Magnetoelastic Sensor
T28	Jianzhong Shen	Pharmacy	Drug Discovery and Development	Purinergic Control of Tissue Factor Transcription in Human Coronary Artery Endothelial Cells: New AP-1 Site and Negative Regulator
T29	Bruce Smith	Veterinary Medicine	Pathobiology	Conditionally Replicative Adenovirus Therapy in Canine Osteosarcoma
T30	Sang-jin Suh; Bryan Chin; X-P Hu	Sciences and Mathematics/ Engineering/Agriculture	Biological Sciences; Materials Engineering; Entomology and Plant Pathology	Multi-pronged Approach to Combat Important Bacterial Pathogens
T31	Vishnu Suppiramaniam	Pharmacy	Drug Discovery and Development	Elucidation of Molecular Mechanisms of Chemobrain: Identification of Targets and Therapies
T32	Shea Tillman; W. Lee Warren	Architecture, Design and Construction/ Auburn Spine and Neurosurgery Center	Industrial and Graphic Design	Enhancing the Visibility and Working Space for Minimally Invasive Neurosurgical Procedures
T33	Pam Ulrich; Karla Teel	Human Sciences	Consumer and Design Sciences	Use of Children's Avatar Figural Scale to Assess Body Self- Perception and Satisfaction

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T34	Danielle Wadsworth; Mynor Rodriguez Hernandez; Shelby Foote	Education	Kinesiology	Exercise Adherence Laboratory: Exploring Compensation During Exercise Interventions
T35	Paul Walz	Veterinary Medicine	Pathobiology	Production of Equine-source Hyperimmune Globulin for Treatment of Ebola and Marburg Viruses
T36	Jerrold Windham; Scott Renner	Architecture, Design and Construction/ Education	Graphic and Industrial Design; Center for Disability Research and Service	Assistive Technology in the 21st Century: The Shift from Universal to Highly Customized Design Solutions
T37	Allan David	Engineering	Chemical Engineering	"Smart" Nanomaterials for Targeted Drug Delivery

**GOVERNOR'S ROOM
ENVIRONMENT**

NUMBER	NAME(S)	COLLEGE/SCHOOL	DEPARTMENT/SCHOOL	TITLE
G1	Benson Akingbemi; Fatma M. Abdel- Maksoud; Khrystyna Leasor; Kate Butzen; Timothy Braden	Veterinary Medicine/Assiut University	Anatomy, Physiology and Pharmacology	Chemical Disruption of the Sexual Differentiation Process Impacts Endocrine Phenotype of the Adult Testis
G2	Chris Arnold; Melanie Duffey	Architecture, Design and Construction/Human Sciences	Industrial and Graphic Design; Consumer and Design Sciences	Sit and Plug-in: Urban Furniture Systems for Campus
G3	Jacek Wower; Morgan Hamon; Jing Dai; Jong Wook Hong; Iwona Wower	Agriculture	Animal Sciences	Detection of RNA Degrading Agents Using a Microfluidic Chip Programmed with Fluorescent RNA Aptamers
G4	Nan Fairley; Mark Wilson; Rachel Naftel	Liberal Arts	Communication and Journalism	Living Democracy: Student & Citizen Adventures in Alabama Communities
G5	Mike Fogle	Sciences and Mathematics	Physics	Developing Cubesats for Remote Earth Sensing
G6	Chad Foradori	Veterinary Medicine	Anatomy, Physiology and Pharmacology	The Effects of Atrazine on Hypothalamic- Pituitary-Adrenal Axis Stimulation
G7	Anne Wooldridge; Elizabeth Lipke; Wen Jun Seeto; Ashley Sharpe	Veterinary Medicine/ Engineering	Clinical Sciences; Chemical Engineering	Endothelial Progenitor Cell Isolation in Horses
G8	Leslie Goertzen; Curtis Hansen; Nathan Hall	Sciences and Mathematics	Biological Sciences	Phylogenomics of the Southeastern Wildflower Genus <i>Marshallia</i>
G9	Joel Hayworth; Prabhaker Clement; Fang Yin; Gerald John; Caleb Wilson	Engineering	Civil Engineering	Alabama's Beaches and the Deepwater Horizon
G10	Geoffrey Hill	Sciences and Mathematics	Biological Sciences	Mitonuclear Ecology
G11	Latif Kalin	Forestry and Wildlife Sciences		Untangling the Environmental and Climatic Factors Effecting the West Nile Virus Carrying <i>Culex</i> Mosquito Abundance

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NUMBER	NAME(S)	COLLEGE/SCHOOL	DEPARTMENT/SCHOOL	TITLE
G12	Ann Knipschild; Paula Bobrowski	Liberal Arts	Music; Political Science	SALG Assessment of Music and Science
G13	Charlene LeBleu; Judd Langham	Architecture, Design and Construction	Architecture, Planning and Landscape Architecture	Designing the Urban Landscape
G14	Ming Kuo Lee	Sciences and Mathematics	Geosciences	The Emerging Role of ICP-MS in Quantitative Environmental Analysis: Applications to Contaminant Hydrology
G15	Susan Pan	Forestry and Wildlife Sciences		Responses of Global Terrestrial Evapotranspiration to Climate Change and Increasing Atmospheric CO ₂ in the 21st Century
G16	Keith Rahn; Michael Hein; Mark Dougherty	Architecture, Design and Construction/ Agriculture	Building Science; Biosystems Engineering	The Contribution of Pavements to Urban Heat Islands
G17	Lisa Samuelson	Forestry and Wildlife Sciences		Climate Change Adaptation and Mitigation in Southern Pine Forests
G18	Bonnie Sanderson	Nursing		Integrating Prevention within Research and Practice: School of Nursing Research/Scholarship Activities
G19	Puneet Srivastava	Agriculture	Biosystems Engineering	Reducing Climate Risks to Water Resources
G20	Todd Steury	Forestry and Wildlife Sciences		Ongoing Research into the Status of the Alabama Black Bear
G21	Luxin Wang	Agriculture	Animal Sciences	Comparison of Different Sampling and Enumeration Protocols for Indicator Microorganisms in Water and in Sediment

**MEETING ROOM B
CYBER/TECHNOLOGY**

NUMBER	NAME(S)	COLLEGE/SCHOOL	DEPARTMENT/SCHOOL	TITLE
B1	Salman Azhar; Mark Froehlich; Anwar Ahmed	Architecture, Design and Construction/Engineering	Building Science; Aerospace Engineering	Virtual Reality Headsets for Immersive 3D Environment: Applications in Construction Safety and Jobsite Management
B2	David Bevly	Engineering	Mechanical Engineering	Results of an Initial Test and Evaluation of a Driver Assisted Truck Platooning Prototype
B3	Veena Chattaraman; Wi-suk Kwon	Human Sciences	Consumer and Design Sciences	Virtual Agent Locus of Control: Cognitive Assistance for Older Consumers' Online Shopping
B4	Rafay Ishfaq	Business	Aviation and Supply Chain Management	Inventory Cycle Counting in RFID Enabled Retail Supply Chain
B5	Junshan Liu; Charlene LeBleu; Richard Burt	Architecture, Design and Construction	Building Science; Architecture, Planning and Landscape Architecture	Digital Documentation of Fort Gaines Using LIDAR and 3D Photogrammetry Technology
B6	Babak Rahbarinia; Roberto Perdisci; Manos Antonakakis	AUM/University of Georgia/Georgia Institute of Technology	Math and Computer Science	Learning From Our Past: Historic Query Pattern Analysis of Malware Domains
B7	Fereshteh Rostampour	Liberal Arts	Theatre	Matrix II (the Robotic Culture)
B8	Mary Sandage; Matthew Hoch	Liberal Arts	Communication Disorders; Music	The Singing Warmup
B9	Anoop Sattineni	Architecture, Design and Construction	Building Science	Augmented & Virtual Reality for Construction Safety Training
B10	Tony Skjellum	Engineering	Computer Science and Software Engineering; Auburn Cyber Research Center	Internet of Things - Cyber and Forensics
B11	Robert Underwood	AUM	Math and Computer Science	The Algebraic Myhill-Nerode Theorem
B12	Debra Worthington	Liberal Arts	Communication and Journalism	The Impact of Mobile Phone Addiction on User Privacy Behaviors, Communicative Involvement & Conversational Sensitivity
B13	Ed Youngblood; Derek Ross; Virginia Spears	Liberal Arts	Communication and Journalism; English	What can LUCIA do for you? Research in the Laboratory for Usability, Communication, Interaction, and Accessibility

MEETING ROOM D

ENERGY

NUMBER	NAME(S)	COLLEGE/SCHOOL	DEPARTMENT/SCHOOL	TITLE
D1	Sushil Adhikari	Agriculture	Biosystems Engineering	Upgrading of Hydrothermal Liquefaction Biocrude from Algae Grown in Municipal Wastewater
D2	Zhongyang Cheng	Engineering	Mechanical	Materials for Energy Storage
D3	Song-Yul Choe	Engineering	Mechanical	Advanced Controls of Lithium Batteries Based on Electrochemical and Thermal Principle
D4	Luis Cueva-Parra	AUM	Math and Computer Science	Predicting Thermal Properties of an Ethane-Copper Nanofluid by Molecular Dynamics Computer Simulation
D5	Jeff Fergus	Engineering	Materials Engineering; Mechanical Engineering	Materials for Energy Conversion and Storage
D6	Anne Gorden; Emily Hardy; Madeleine Eddy; Charmaine Tutson	Sciences and Mathematics	Chemistry and Biochemistry	Detection of Actinides Using a Novel Salen Based Ligand System
D7	Justin Miller; Christian Dagg	Architecture, Design and Construction	Architecture, Planning and Landscape Architecture	DESIGNhabitat 4: Approaching Zero Energy Affordable Housing
D8	Benedict Okeke; Ananda Nanjundaswamy; Rosine Hall; Christiane Ingram	AUM	Biology	Highlights of Research on Development of Field Deployable Bioreactor Process for Biomass Conversion to Ethanol
D9	Bruce Tatarchuk	Engineering	Chemical Engineering	Overcoming Mother Nature and Physical Barriers in Order to Make Chemical Reactions Go Faster
D10	Steve Taylor	Agriculture	Biosystems Engineering	Collaborative Programs for Bioenergy and Bioproducts
D11	Jorge Valenzuela; Ebrahim Mortaz	Engineering	Industrial and Systems Engineering	Managing Storage and Renewable Energy in Microgrids
D12	Brian Via	Forestry and Wildlife Sciences		NSF IGERT Forestry Students Research for Bioenergy
D13	Tom Gallagher; Daniel Pegoretti Leite de Souza; Mathew Smidt; Tim McDonald; Dana Mitchell	Forestry and Wildlife Sciences/U.S. Forest Service		Determining the Impact of Felling Method and Season of Year on Coppice Regeneration