

A

HBB 201

B

HBB 202

C

HBB 301

Breakfast

8:30 - 8:55

Breakfast in Haslam Business Building

Session I

9:00 - 9:15

9:20 - 9:35

9:40 - 9:55

McKinsey Patterson
Sierra Roark
Starla Smith

Erika Sanders
Sarah Lou Ottinger
Jessica Martinez

Austin Mullen

Stephanie Nabors

Session II

10:00 - 10:15

10:20 - 10:35

10:40 - 10:55

Morgan Vantrease
Alexandra Brito
Katie Masters

Conny Zhao
Alessandra Ferrero
Emma Evans

Caitlin Myers
Sarah Lou Ottinger
Megan Borgmier

Session III

11:00 - 11:15*

11:20 - 11:35*

11:40 - 11:55*

Emeri Allan
Charles Earles
Malerie Lazar
Jody Toperzer

Jesse Buffaloe
Igor Gussev
Cody Nizinski

Joshua Brown
Adaya Troyer
Hannah Yoder

Lunch

12:00 - 12:55

Lunch in Haslam Business Building

Keynote Speaker

1:00 - 1:55

Speaker: Cary Staples, Professor of Graphic Design (HBB 203)

Session IV

2:00 - 2:15

2:20 - 2:35

2:40 - 2:55

Angel Lunceford & Alicia Blasini
Whitney Stone
Chelsea Smith

David Moore & Clint Shannon
Thao Nguyen
Helen Law

Session V

3:00 - 3:15

3:20 - 3:35

3:40 - 3:55

Michael Curtis, Jr.
Whitney Pittman & Damla Sarisaltik
Gillian Harris

Will Cureton
Alexandra Galaska
Peyton Nanney

Closing Remarks

4:00 - 4:15

Closing Remarks (HBB 203)

Session I

	9:00 - 9:15	McKinsey Patterson	Dr. Shelia Swift	Staff Nurse Perceptions of Their Role in Hospital Reimbursement via Nursing Sensitive Indicators and Patient Satisfaction
A	9:20 - 9:35	Sierra Roark	Dr. Barbara Heath	Wood Charcoal Analysis from Coan Hall (44NB11)
HBB 201	9:40 - 9:55	Starla Smith	Dr. Joel Anderson	Emotional Coping in Individuals With Fibromyalgia
	9:00 - 9:15	Erika Sanders	Dr. Barry Bruce	Identification of a General Targeting Motif Guiding Interaction Between Nuclear-Encoded Plastid Precursors and the Translocon of the Plastid Outer Membrane
B	9:20 - 9:35	Sarah Lou Ottinger	Dr. Jeremiah Henning	Selection of mycorrhizal symbionts in response to abiotic stress and competitive interactions between <i>Poa annua</i> and <i>Juncus drummondii</i>
HBB 202	9:40 - 9:55	Jessica Martinez	Dr. Richard Gerhold	<i>Histomonas</i> ELISA
	9:00 - 9:15	Austin Mullen	Dr. Howard Hall	Preliminary Design for an Isothermal Gas Chromatography Apparatus for Inorganic Chlorides
C	9:20 - 9:35			
HBB 301	9:40 - 9:55	Stephanie Nabors	Dr. Julie Bonom & Dr. Terri Durbin	A Literature Review of Substance Abuse Among Anesthesia Providers

Session II

- 10:00 - **Morgan Vantrease** Dr. Deb Chyka
10:15 The Effects of Cuddling in Neonatal Abstinence Syndrome
- A** 10:20 - **Alexandra Brito** Dr. Harriet Bowden
10:35 Effects of Language Immersion vs. Classroom Exposure on Advanced French Learners: An ERP Study
- HBB 201 10:40 - **Katie Masters** Dr. Rebecca Prosser
10:55 The Interaction between Ethanol Consumption and Stress and their Effect on Brain Derived Neurotropic Factor and Tropomyosin Receptor Kinase B Expression
- 10:00 - **Conny Zhao** Dr. Rachel Golden
10:15 Performing Ethnic Identity in Chinese Popular Music
- B** 10:20 - **Alessandra Ferrero** Dr. Erin Darby
10:35 The Impact of Bread Production on Women's Roles in the Book of Leviticus
- HBB 202 10:40 - **Emma Evans** Dr. Vejas Liulevicius
10:55 Turning the Tide: The Impact of the USS *Nautilus* and Operation Sunshine on American Popular Culture
- 10:00 - **Caitlin Myers** Dr. Paul Gellert
10:15 Power Lines: The Digital Divide in East Tennessee
- C** 10:20 - **Sarah Lou Ottinger** Dr. Sindhu Jagadamma
10:35 Effects of genetically modified switchgrass cultivation on soil carbon dynamics
- HBB 301 10:40 - **Megan Borgmier** Dr. Tami Bland and Dr. Sadie Hutson
10:55 Distress of Parents of NICU Graduates

Session III

- 11:00 - **Emeri Allan** Lizanne Elliott
11:15 Assessing the Impact of Animal-assisted Interventions on Patients in the Clinical Setting
- A** 11:15 - **Charles Earles** Dr. Debora R. Baldwin
11:30 Trust levels of physicians among rural Kenyans and factors influencing interest in healthcare
- HBB 201 11:30 - **Malerie Lazar** Dr. Lisa Davenport
11:45 The Experience of Access to Care Among Persons with a Low Family Income
- 11:45 - **Jody Toperzer** Dr. Albrecht von Arnim, Ramya Enganti, & Dr. Sung Ki Cho
12:00 The Effects of Phosphorylation on RPS6 Ribosomal Protein in *Arabidopsis thaliana*
- 11:00 - **Jesse Buffaloe** Dr. Eirik Endeve & Dr. Anthony Mezzacappa
11:15 Using Discontinuous Galerkin Methods to Solve the Euler Equations in Curvilinear Coordinates
- B** 11:20 - **Igor Gushev** Dr. Maik Lang
11:35 Neutron total scattering analysis of temperature effect on cation inversion in MgAl_2O_4 and NiAl_2O_4 spinel
- HBB 202 11:40 - **Cody Nizinski** Dr. Howard Hall
11:55 Analysis of Synthetic Urban Nuclear Melt Glass
- 11:00 - **Joshua Brown** Dr. Tricia Hepner & Karla McKanders
11:15 Collapse of The Colossus: America's Lost Promise to Refugees
- C** 11:20 - **Adaya Troyer** Dr. Tami Wyatt
11:35 Preschool Children: What they know about asthma and how they learn
- HBB 301 11:40 - **Hannah Yoder** Dr. Sadie Hutson
11:55 Exploring Black Women's perceptions of midwifery and antenatal care in Knoxville

Session IV

A

HBB 201

2:00 - **Angel Lunceford & Alicia Blasini** Dr. James Fox
2:15 An empirical review of behavior interventions for children's behavior problems from 1997 to 2015: Baseline stability

2:20 - **Whitney Stone** Dr. Sandy Mixer
2:35 Recreated Culturally Acceptable Advance Directive for Persons Experiencing Homelessness

2:40 - **Chelsea Smith** Sharon Davis
2:55 Parental knowledge of Adverse Childhood Events and the effect on health and substance abuse disorders

2:00 - **David Moore & Clint Shannon** Dr. Robert Washington-Allen & Dr. Donald F. McKenzie
2:15 Then and Now: Long Term Land-Use Changes Impact Bobwhites

B

HBB 202

2:20 - **Thao Nguyen** Dr. Barry Bruce
2:35 Analyzing Binding Affinity of *Thermosynechococcus elongatus* BP-1 Ferredoxin mutants with Photosystem I by chemical crosslinking

2:40 - **Helen Law** Dr. Jeremiah Henning
2:55 Dead or alive: How mycorrhizae influence survivorship of plants with neighbors

3:00 - **Michael Curtis, Jr.** Dr. Samereh Abdoli
3:15 The Voices of Photos: Transition to adulthood in lower income emerging adults with Type I Diabetes Mellitus

A

HBB 201

3:20 - **Whitney Pittman & Damla Sarisaltik** Dr. David R. Bassett, Jr.
3:35 Sources of Error in Wearable Step Counters

3:40 - **Gillian Harris** Dr. Sadie Hutson
3:55 The Psychosocial Responses to and Decision Making Strategies of Hereditary Cancer Genetic Panel Testing

3:00 - **Will Cureton** Dr. Maik Lang
3:15 Effects of Grain Size on the Irradiation Response of Actinide Oxides

B

HBB 202

3:20 - **Alexandra Galaska** Dr. John Zhanhu Guo
3:35 Epoxy Nanocomposites with Reduced Flamability Derived From Magnesium Hydroxide-Melamine Polyphosphate Hybrids

3:40 - **Peyton Nanney** Dr. Jian Liu
3:55 Perovskite Compound Synthesis via Solid State Reaction

Session V