Room 310

Session I
Faculty Moderator: Warren Belasco, American Studies

9:15 - 9:30 a.m.
Charlene Kuo
American Studies
“Dare for More: Analysis of Pepsi's Global Television Marketing Campaign”
Professor Warren Belasco, Mentor

9:30 - 9:45 a.m.
Christina Stanley
Political Science
“Perceptions (or Misperceptions) and the Troubled State of US-Iranian Relations”
Professor Cynthia Hody, Mentor

9:45 - 10:00 a.m.
John Weller
Philosophy
“Stages of Ethical Thought”
Professor Susan Dwyer, Mentor

10:00 - 10:15 a.m.
DeLeon Gray
Interdisciplinary Studies
“Enhancing the Educational Outlooks of Adolescent Mothers through Social Relationships”
Professor Charissa Cheah, Mentor

Session II
Faculty Moderator: Ilse Lottes, Sociology and Anthropology

10:30 - 10:45 a.m.
Kyle Clelan
Financial Economics
“Are Super Bowl Betting Markets Informationally Efficient? The Time-Series Evidence”
Professor Douglas Lamdin, Mentor
10:45 - 11:00 a.m.
**Eric Grollman**  
*Sociology and Anthropology*
“Traditional and Modern Homophobia at UMBC”
**Professor Ilsa Lottes, Mentor**

11:00 - 11:15 a.m.
**Maddy Fickes**  
*American Studies*
“How Momma Raised Me: Understanding the Upbringing of Rural and Urban Students and its Relation to College Attendance”
**Professor Kathy Bryan, Mentor**

11:15 - 11:30 a.m.
**Meghan DeVore**  
*American Studies*
“Fan Tourism: Exploring the Creation of Religious Experience and the Deprivation of Culture”
**Professor Nicole King, Mentor**

11:30 - 11:45 a.m.
**Truc Nguyen**  
*Interdisciplinary Studies*
**Professor Christopher Peregoy, Mentor**

**Session III**
Faculty Moderator: Todd Pittman, Physics

1:30 - 1:45 p.m.
**Brandon Johnson**  
*Mechanical Engineering*
“Improving Mechanical Properties of PMMA Bone Cement with Nano and Micro Particles”
**Professor Tim Topoleski, Mentor**

1:45 - 2:00 p.m.
**Shayla Shorter**  
*Biological Sciences*
“Role of TRAIL in Induced and Spontaneous Murine Lupus Models”
**Professor Violeta Rus, Mentor**

2:00 - 2:15 p.m.
**Aaron Stoler**  
*Environmental Science*
“Microbial Respiration on Mixed Leaf Substrates Mediated by Insect Feeding”
**Professor Christopher Swan, Mentor**

2:15 - 2:30 p.m.
**Lidiya Mishchenko**  
*Physics*
“Production of Tapered Optical Fibers”
**Professor Todd Pittman, Mentor**
2:30 - 2:45 p.m.

Louis Leibowitz  
*Interdisciplinary Studies*

“Evaluating the Fiscal Effects of Same-Sex Marriage in Maryland”

Professor Ilsa Lottes, Mentor

2:45 - 3:00 p.m.

Whitney Fields  
*Biological Sciences*

“Isolation of Mutations in L4 and L22 That Confer Resistance to the Antibiotic Tylosin”

Professor Janice Zengal, Mentor

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**University Center, Room 312**

Session I

Faculty Moderator:

9:30 - 9:45 a.m.

Stephanie Núñez  
*Biochemistry and Molecular Biology*

“Interaction of PYK2 and PTP-PEST with Leupaxin in Prostate Cancer Cells”

Professor Anandarup Gupta, Mentor

9:45 - 10:00 a.m.

Uzoma Iheagwara  
*Biological Sciences*

“Uveal Melanoma Vaccines express Major Histocompatibility Class II Molecules in the Absence of Invariant Chain”

Professor Suzanne Ostrand-Rosenberg, Mentor

10:00 - 10:15 a.m.

Philip Graff  
*Physics*

“A State-of-the-Art Numerical Code for Probing the Workings of Quasar Jets”

Professor Markos Georganopoulos, Mentor

10:15 - 10:30 a.m.

Matthew Loftus  
*Chemistry*

“Laser-Stimulated Raman Spectroscopy as a Method for Remote Atmospheric Sensing Technology”

Professor Lisa Kelly, Mentor

10:30 - 10:45 a.m.

Nerg AchiriMofor  
*Biochemistry and Molecular Biology*

“Studying the Protein-Protein Interactions Involved in HIV-1 Assembly”

Professor Michael Summers, Mentor

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Session II

Faculty Moderator: Marijose Castellanos, Chemical Engineering
10:45 - 11:00 a.m.

Elisa Frantz

“Richard Bentley’s Edition of *Paradise Lost*”

Professor Orianne Smith, Mentor

11:00 - 11:15 a.m.

Rachele Sills, violin; Anna An, violin;
Michael Herder, violin; Megumi Mizumoto, violin;
Talya Schenk, viola; Matthew Poloncha, viola;
Dami Soh, cello; Joe Martone, double bass;
Grace Kim, piano

“Baroque String Ensemble”

Professor Airi Yoshioka, Mentor

11:15 - 11:30 a.m.

Christie Finn

“Movement and the Singer”

Professor David Smith, Mentor

11:30 - 11:45 a.m.

Amber Gaither

“Nested PCR to Amplify the *Plasmodium falciparum* Chloroquine Resistance Transporter (PfCRT) in Samples from Clinical Trials in Malawi”

Professor Christopher Plowe, Mentor

Session III

Faculty Moderator: Laura Ting, Social Work

1:30 - 1:45 p.m.

Jenny Parish

“Outcomes of Female Patriotism: The Women of the WAVES during and after World War II”

Professor Amy Froide, Mentor

1:45 - 2:00 p.m.

Dorothy Kenny

“Seeing Through Smoke: The Role of Science in Public Health Policy Following the 1952 London ‘Killer Fog’”

Professor Daniel Ritschel, Mentor

2:00 - 2:15 p.m.

Anna Kuklova

“Parental Autonomy Development in Immigrants from the Former Soviet Union”

Professor Charissa Cheah, Mentor
2:15 - 2:30 p.m.
Megan Anders  Psychology
“Survivors of Domestic Violence: Violence Acceptance, Cultural Factors, and Self Esteem”
Professor Laura Ting, Mentor

2:30 - 2:45 p.m.
Durell Callier  Social Work
“Analyzing Predictors of Academic Success among African American Adolescents within an Urban Charter School”
Professor Laura Ting, Mentor

2:45 - 3:00 p.m.
Askia Hill  Computer Engineering
“Autonomous Flying Control Systems for Mini-flying Robots”
Professor Fow-Sen Choa, Mentor