SESSION B

President Tiedens’ Welcome

Cognitive Science, Linguistics, and Music
Moderator: Charles Kamm, Associate Professor of Music

Emelia BensonMeyer ‘20
Language Transfer Between English and German: A Phenetics Based Study of Interactions between Speakers' Native and Second-Language Vowel Systems

Leah Nadir ‘20
Beyond Scales and Sight Singing: Applications of Movable Do Solfege in Children’s Music Theory Education

Elizabeth Willsmore-Finkle ‘20
Do Individuals with Autism Experience Retrieval-Induced Forgetting? Using Emic Experience and Clinical Research to Explore Temporary Retrograde Amnesia for the Day’s Events Post-Stress in Individuals with Autism

Mathematics, Biochemistry, and Molecular Biology
Moderators: Christina Edholm, Assistant Professor of Mathematics and Winston Ou, Associate Professor of Mathematics

Camryn Hollarsmith ‘20
Stationary Distribution of Recombination on 4X4 Grid Graph as it Relates to Gerrymandering

Sarah Palm ‘20
Investigating the Role of Dsk1 Kinase in the Functions of Klp9 Motor Protein

Gabriella Kimmerly ‘20
Characterizing the Oxidation of Phosphatidylcholine by Oxygen Plasma

Kara Dunne-Dombrink ‘20
The Inhibitory Role of Indole in Tryptophan Synthase and its Significance in Treatment for Resistant Tuberculosis in Francophone Countries
**English**  
Moderator: Leila Mansouri, Assistant Professor of English

Lauren Koenig ‘20  
*Audre Lorde and The Ontology of Desire*

Rowen Light-Wills ‘20  
*The pressures of being a person (with words)*

Lillian Johnson ‘20  
*Reclaiming the Lost Gay Body in Thom Gunn’s The Man with Night Sweats*

Isabelle (Izzy) Phan ‘20  
*A Revision of a Revision: Reading "The Heroic Slave" as a Response to "Uncle Tom's Cabin"*

Lunch—Athlete Posters

**Biology, Biochemistry, Biophysics**  
Moderator: Gretchen Edwalds-Gilbert, Associate Professor of Biology

Nicole Pang ‘20  
*Identification of Imiquimod as a Potential Combination for Anti-CD47 Antibodies in Cancer Therapy*

Ashweetha Louis ‘20  
*The Antibiofilm Effects of Curcumin in Bacillus subtilis*

Vicky Lu ‘20  
*A Look into the CHD1 Chromatin Remodeler: The Effects of CHD1 on Gene Expression and Chromatin Structure*

Annabel Vernon ‘20  
*Sensitivity of Human Protein Arginine Methyltransferase 7 (PRMT7) to Ionic Strength*
Economics, Politics, and Legal Studies  
Moderator: Nancy Neiman, Professor of Politics

Megan Witman ’20  
Rethinking Crime and Punishment

Miriam Raffel-Smith ’20  
Discipline and Surveillance: The Rise of Electronic Monitoring in Response to Demands for Criminal Justice Reform

Alison Jue ’20  
Analyzing the Effectiveness of Hate Crime Legislation on Deterring Bias Incidents

Anna Liss-Roy ’20  
Anti-Party Pro-Politics: The Gilet Jaunes Challenge to French Representative Democracy

Sophia Knowlton-Latkin ’20  
Bearing Life in Unbearable Terrain: Palestinian Women’s Reproductive Health and Political Determinants

Molecular Biology, Science Management, and Chemistry  
Moderator: Anna Wenzel, Associate Professor of Chemistry

Natalie Pedicino ’20  
Characterizing Changes in the Colonic Epithelium of Lrig3 Null Mice

Michelle Wang ’20  
Kinetic and Mechanistic Investigations of a Silver-Catalyzed Formylation Reaction

Maria Lew ’20  
Synthesis and Reactivity of a New Platinum (II) Complex

Hannah Juang ’20  
A Radial Pattern of Mitotic Division: Cyst Formation in Nasonia vitripennis

Samyuktha Ravikumar ’20  
Biosimilars Market Evolution Study

Soccer Game