Hutton Honors College
Indiana University Bloomington

2016 Research Symposium & Poster Fair

Saturday, April 2\textsuperscript{nd}
Wendell W. Wright Education Building
201 N. Rose Ave
9:00am – 5:00pm

Photo courtesy of Indiana University
2016 Research Symposium & Poster Fair

Saturday, April 2nd

Registration Table
9:00 – 3:00 Atrium

Meet & Greet and Breakfast
9:00 – 9:30 1st Floor Lounge

Keynote Speaker: Dr. Andrea Ciccarelli
9:30 – 10:00 Auditorium
Introduced by Deepti Bansal

Morning Sessions:

1. Health Issues
   10:15 – 12:00 1225
   Undergraduate Moderator: Deepti Bansal
   Graduate Moderator: Thomas Amick
   Presenters: Joseph Bagiakas, Connie Lu, Elise Gahan, Samantha Krejnik,
   Genevieve Hickey

2. Topics in Cognitive Science, Computation, and Biology
   10:15 – 12:00 1204
   Undergraduate Moderator: Loran Saggu
   Graduate Moderator: Jaimie Murdock
   Presenters: Jessica Pusateri, Macgregor Vogelsang, Stefan Dalecki,
   Christine Hustmyer, Gabrielle Mitchell

3. Narrative and Linguistic Concerns
   10:15 – 11:15 1210
   Undergraduate Moderator: Cleo Hernandez
   Graduate Moderator: Binyan Li
   Presenters: Em Brewington, Haily Merritt, Sarah Whaley, Lauren Lu

Lunch: Presenters and Mentors
11:30 – 1:30 2nd Floor Balcony

Poster Fair
12:30 – 1:45 Atrium
(set-up in room 1235)
Afternoon Sessions:

4. **International Issues**   2:00 – 3:20    1210
   Undergraduate Moderator: Haily Merritt
   Graduate Moderator: Calvin Yahn
   Presenters: Kristen Brown, Noah Sandweiss, Cleo Hernandez, Deepti Bansal

5. **Social and Cultural Questions**   2:00 – 4:15    1225
   Undergraduate Moderator: Gabriel Ancil
   Graduate Moderator: Jessica Leach
   Presenters: Jess Cadwell, Sean Bock, Erin Macke, Grace Shen, Madeline Zook,
              Cailey Mullins, Erin Patterson

6. **Decision-Making, Policy, and Classroom Instruction**   2:00 – 3:20    1220
   Undergraduate Moderator: Jack Fruth
   Graduate Moderator: Matt Walker
   Presenters: Jeremy Goddard, Tanishq Gupta, JoAnna Ness, Ryan Van Slyke
Panel 1  

Health Issues

10:15 - 12:00  
Room 1225

Undergraduate moderator: Deepti Bansal  
Graduate moderator: Thomas Amick

Internet-Delivered Cognitive Behavioral Therapy as an Intervention for Anxiety
  Presenter: Joseph Bagiakas, Special Education, Junior  
  Faculty Mentor: Ana Maria Brannan, Associate Professor, Education

Faking It: The Effects of Normative Social Constructions on Performing Orgasm
  Presenter: Connie Lu, Neuroscience/Gender Studies, Senior  
  Faculty Mentor: Justin Garcia, Assistant Professor, Gender Studies

Will Work for Food: The Effects of Maternal Employment on Child Food Preferences and Physical Activity
  Presenter: Elise Gahan, Community Health, Senior  
  Faculty Mentor: Jonathon Beckmeyer, Assistant Professor, Applied Health Science

Participant Leadership Development: Impact on Financial Health & Wellness of Indiana University Student Population
  Presenter: Samantha Krejnik, Community Health, Senior  
  Faculty Mentor: Deborah Getz, Clinical Assistant Professor, Applied Health Science

Sexual Health Knowledge and Sources on a College Campus
  Presenter: Genevieve Hickey, Sociology/Anthropology, Senior  
  Faculty Mentor: Youngjoo Cha, Assistant Professor, Sociology
Panel 2  
Topics in Cognitive Science, Computation, and Biology

10:15 - 12:00  
Room 1204

Undergraduate moderator: Loran Saggu  
Graduate moderator: Jaimie Murdock

Comparing Dynamic Ontologies
 Presenter: Jessica Pusateri, Computer Science, Junior  
Faculty Mentor: Colin Allen, Professor, History and Philosophy of Science

The holistic processing of fingerprints and how it pertains to expertise
 Presenter: Macgregor Vogelsang, Computer Science/Cognitive Science, Freshman  
Faculty Mentor: Tom Busey, Professor, Psychological and Brain Sciences

Dissociation of General Spatial Memory and Source Memory
 Presenter: Stefan Dalecki, Neuroscience, Sophomore  
Faculty Mentor: Jonathan Crystal, Professor, Psychological and Brain Sciences  
Graduate Mentor: Alexandra Smith, Graduate Student, Psychological and Brain Sciences

A Method for the Rapid Cloning of Gene Reporter Plasmids
 Presenter: Christine Hustmyer, Biochemistry/Biology, Sophomore  
Faculty Mentor: Julia van Kessel, Assistant Research Scientist, Molecular and Cellular Biochemistry

Analysis of Paramecium Nuclear Pore Genes
 Presenter: Gabrielle Mitchell, Human Biology, Sophomore  
Faculty Mentor: Michael Lynch, Professor, Biology
Panel 3  Narrative and Linguistic Concerns

10:15-11:15  Room 1210

Undergraduate moderator: Cleo Hernandez
Graduate moderator: Binyan Li

Queer Identities in African Contexts
  Presenter: Em Brewington, Comparative Literature/French, Sophomore
  Faculty Mentor: Eileen Julien, Professor, Comparative Literature

Effects of Language Mode on Perception
  Presenter: Haily Merritt, Linguistics, Junior
  Faculty Mentor: Isabelle Darcy, Associate Professor, Second Language Studies

Telephone Games: Mysterious Phenomena of Story Retelling Revealed
  Presenter: Sarah Whaley, Journalism/Cognitive Science, Senior
  Presenter: Lauren Lu, Neuroscience/Math, Freshman
  Faculty Mentor: Fritz Breithaupt, Professor, Germanic Studies
Poster Fair

12:30-1:45  1st Floor Atrium

Convergence and Divergence between Observational and Mother Self-Report Measures of Parenting

Exhibitor: Lauren Albert, Human Biology/Psychology, Freshman
Faculty Mentor: John Bates, Professor, Psychological and Brain Sciences
Graduate Mentor: Maureen McQuillan, Graduate Student, Psychological and Brain Sciences

Selection of Hyperproduction of SME-1 and AmpC in Carbapenem-Resistant Serratia marcescens During Antibiotic Therapy

Exhibitor: Thomas Amick, Biotechnology, Masters
Faculty Mentor: Karen Bush, Professor, Biotechnology

Twenty-First Century Scholar Students: The Lived College Experience

Exhibitor: Gabriel Ancil, Sociology/International Studies, Junior
Faculty Mentor: Youngjoo Cha, Assistant Professor, Sociology

Characterization of thermostable Pif1 DNA Helicases

Exhibitor: Nicholas Andis, Biotechnology, Masters
Faculty Mentor: Matthew Bochman, Assistant Professor, Molecular and Cellular Biochemistry

Mass Spectrometry Analysis of Cannabinoid Receptor 1 Phosphorylation

Exhibitor: Diana Arman, Neuroscience, Sophomore
Faculty Mentor: Ken Mackie, Professor, Psychological and Brain Sciences
Research Mentor: Jim Wager-Miller, Research Scientist, Psychological and Brain Sciences

Impact of Peer Assisted Study Sessions (PASS) on Student Grades in ECON-E201 and BIOL-L112

Exhibitors: Ellen Brennan, Economics/Political Science, Junior
Victoria Consolvo, Economics/Philosophy, Junior
Benjamin Hogenkamp, Economics, Sophomore
Nathan Krummen, Economics/Computer Science, Senior
Alexander Rangazas, Economics/Mathematics, Junior
Michael York, Economic Consulting/Sustainable Business, Junior

Faculty Mentor: Andrew Koke, Coordinator, Student Academic Center
Graduate Mentor: Kristyn Sylvia, Graduate Assistant, Biology
The Effects of Single Amino Acid Variations on SHV Enzymes
Exhibitor: Christopher Brown, Biotechnology, Masters
Faculty Mentors: Karen Bush, Professor, Biotechnology
Robert Vaughan, Lecturer, Biotechnology

Origins of Creative Play in Early Childhood
Exhibitor: Emma Crady, Psychology, Sophomore
Faculty Mentor: John Bates, Professor, Psychological and Brain Sciences
Graduate Mentor: Caroline Hoyniak, Graduate Student, Psychological and Brain Sciences

Co-Localization of FtsA and FtsZ proteins throughout all stages of cell division in Streptococcus Pneumoniae D39
Exhibitor: Madeline Danforth, Microbiology, Sophomore
Faculty Mentors: Malcolm Winkler, Professor, Biology
Tiffany Tsui, Research Associate, Biology

Social Indicators in Amazonian Protected Areas
Exhibitor: Juan del Valle Coello, International Studies/Russian, Junior
Faculty Mentor: Eduardo Brondizio, Professor, Anthropology

The Interaction of soybean fungal community with bacterial pathogen
Exhibitor: Megan Dixon, Biology, Junior
Faculty Mentor: James Bever, Professor, Biology
Graduate Mentor: Rondy Malik, Graduate Student, Biology

Factors that Influence Change in American Attitudes Towards Same-Sex Marriage
Exhibitor: Jesse Elkins, Sociology, Senior
Faculty Mentor: Youngjoo Cha, Assistant Professor, Sociology

Use of Laboratory Automation in Core Facility Operations: Enhancement of Workflow, Quality and Service?
Exhibitor: Ann Feil, Biotechnology, Masters
Faculty Mentor: Scott Michaels, Professor, Biology

The Neurobiology of Nociception: Analyzing Dendritic Morphology of Transgenic Drosophila
Exhibitors: Katherine Fisher, Neuroscience, Freshman
Stephen Jeffirs, Biology/Neuroscience, Sophomore
Eashan Kumar, Neuroscience, Sophomore
Faculty Mentor: W. Dan Tracey, Associate Professor, Biology

Rationalizing Irrationality
Exhibitor: Tanishq Gupta, Business Management, Freshman
Faculty Mentor: Leah Savion, Senior Lecturer, Philosophy
Opposite-Sign Vector Boson Scattering with Simulated ATLAS Data
Exhibitor: Grace Haza, Physics, Junior
Faculty Mentor: Rick Van Kooten, Professor, Physics

Use of Cell Based Assays to Interpret Findings from Covalent Labeling of Proteins
Exhibitor: Mark Hazelbaker, Biochemistry, Junior
Faculty Mentor: Robert Vaughan, Lecturer, Biotechnology

A Covalent Labeling Approach for Protein Therapeutics HOS Determination
Exhibitor: Yongbo Huang, Biotechnology, Masters
Faculty Mentor: Robert Vaughan, Lecturer, Biotechnology

A Method for the Rapid Cloning of Gene Reporter Plasmids
Exhibitor: Christine Hustmyer, Biochemistry/Biology, Sophomore
Faculty Mentor: Julia van Kessel, Assistant Research Scientist, Molecular and Cellular Biochemistry

Effect of Cigarette Graphic Warning Labels on Neural Activity and e-Cigarette Use
Exhibitor: Christian Hutslar, Physics/Computer Science, Sophomore
Faculty Mentor: Joshua Brown, Associate Professor, Psychological and Brain Sciences

Screening Indianapolis Antibiotic-Resistant clinical Isolates for Relevant β-Lactamases
Exhibitor: Kevin Knight, Biotechnology, Masters
Faculty Mentor: Karen Bush, Professor, Biotechnology

Participant Leadership Development: Impact on Financial Health & Wellness of Indiana University Student Population
Exhibitor: Samantha Krejnik, Community Health, Senior
Faculty Mentor: Deborah Getz, Clinical Assistant Professor, Applied Health Science

Indiana System of Care: A Comparison of Perceived and Intended Goals
Exhibitor: Tiffany Lin, Special Education/Elementary Education, Junior
Faculty Mentors: Jeffrey Anderson, Professor, Special Education
Heidi Cornell, Analytic Support Associate, Education

Faking It: The Effects of Normative Social Constructions on Performing Orgasm
Exhibitor: Connie Lu, Neuroscience/Gender Studies, Senior
Faculty Mentor: Justin Garcia, Assistant Professor, Gender Studies

Telephone Games: Mysterious Phenomena of Story Retelling Revealed
Exhibitors: Lauren Lu, Neuroscience/Math, Freshman
Sarah Whaley, Journalism/Cognitive Science, Senior
Faculty Mentor: Fritz Breithaupt, Professor, Germanic Studies
Encouraging Anti-Gay Bias Confrontation through Threat Reduction: Reaffirming Masculinity to Combat Bias in Others

Exhibitor: Kayne Mettert, Psychology, Senior
Faculty Mentor: Mary Murphy, Assistant Professor, Psychological and Brain Sciences

Determining the Contribution of MCAK Tip-tracking in Cell Migration

Exhibitor: Christina Moe, Biology, Junior
Faculty Mentor: Claire Walczak, Professor, Biochemistry
Graduate Mentor: Hailing Zong, Graduate Student, Biology

Proteomic Analysis of Decellularized Small Intestine Submucosa

Exhibitor: Adam Pajakowski, Biotechnology, Masters
Faculty Mentor: Cheng Kao, Professor, Molecular and Cellular Biochemistry

The Message and the Medium: Examining the Credibility of Digital Media in Science Communication

Exhibitor: Anna Polovick, Journalism/Folklore & Ethnomusicology, Junior
Faculty Mentor: Cassidy Sugimoto, Associate Professor, Informatics and Computing
PostDoc Mentor: Andrew Tsou, PhD candidate, Information and Library Science

Tattoos and Workplace Outcomes

Exhibitor: Jessica Proctor, Anthropology/Sociology, Senior
Faculty Mentor: Youngjoo Cha, Assistant Professor, Sociology

Membrane Protein Crystallography Strategies in Overexpression

Exhibitor: Gene Qian, Biology, Freshman
Faculty Mentor: Susanne Ressl, Assistant Research Scientist, Molecular and Cellular Biochemistry

The Academy Awards and Replicated Inequality: A Network Analysis

Exhibitor: Reid Ralston, Sociology/Communication & Culture, Senior
Faculty Mentor: Youngjoo Cha, Assistant Professor, Sociology

Regulation of Compositional Changes in the Outer Membrane of Salmonella Thyphmurium: Structural and Functional Studies of yejl and yejm operon

Exhibitor: Elaina Roach, Biochemistry, Freshman
Faculty Mentor: Susanne Ressl, Assistant Research Scientist, Molecular and Cellular Biochemistry

Topic-Modeling with the InPhO Topic Explorer

Exhibitor: Lorander Saggu, Computer Science, Senior
Faculty Mentor: Colin Allen, Professor, History of Philosophy of Science and Medicine
Characterization of a novel Class C β-Lactamase
Exhibitor: Dathan Schmidt, Biotechnology, Senior
Faculty Mentor: Nancy Magill, Senior Lecturer, Molecular and Cellular Biochemistry

Understanding resistance to Antimicrobial Peptides in Pseudomonas aeruginosa
Exhibitor: Meital Shachaf, Microbiology, Sophomore
Faculty Mentor: Cheng Kao, Professor, Molecular and Cellular Biochemistry

SHV β-lactamase Presence in Klebsiella pneumoniae, Escherichia coli and Enterobacter cloaca Isolates Resistant to Carbapenems
Exhibitor: Ana Sheikh, Biotechnology, Masters
Faculty Mentors: Rasheda Sultana, Lecturer, Biotechnology
Karen Bush, Professor, Biotechnology

Evolutionary Genetics of Insecticide Resistance and Pest Management Strategies
Exhibitor: Dylan Siniard, Biotechnology, Masters
Faculty Mentor: Michael Wade, Professor, Biology

Gene expression in Paramecium as a response to DNA damage
Exhibitor: Rainey Stewart, Biology, Senior
Faculty Mentor: Thomas Doak, Associate Research Scientist, Biology

Cancer Perceptions: A Comparative Study
Exhibitor: Michael Turk, Biology/Sociology, Senior
Faculty Mentor: Youngjoo Cha, Assistant Professor, Sociology

Identification of key residues involved in EF-P post-translated modification
Exhibitor: Winston Winkler, Microbiology, Sophomore
Faculty Mentor: Dan Kearns, Associate Professor, Biology

Signal Spreading and Coactivation in the Drosophila Connectome
Exhibitor: Jacob Worrrell, Neuroscience, Freshman
Faculty Mentor: Olaf Sporns, Professor, Psychological and Brain Sciences
PostDoc Mentor: Bratislav Misic, Postdoctoral Fellow, Psychological and Brain Sciences
Panel 4  International Issues

2:00 – 3:20  Room 1210
Undergraduate moderator: Haily Merritt
Graduate moderator: Calvin Yahn

Peace in a Divided Community Despite Resolution Processes for Present Day Northern Ireland
Presenter: Kirsten Brown, Legal Studies, Senior
Faculty Mentor: Gary Branham, Adjunct Faculty, SPEA

Sexuality in Premodern Japan
Presenter: Noah Sandweiss, History, Sophomore
Faculty Mentor: Morten Oxenboell, Assistant Professor, East Asian Languages and Culture

Dealing with Dissent: Government Responses to Racial and Ethnic Protests
Presenter: Cleo Hernandez, Political Science/Policy Analysis, Senior
Faculty Mentor: Beth Cate, Associate Professor, SPEA

Sustaining Artisan Work and the Environment in the Modern Business World
Presenter: Deepti Bansal, Business Economics, Senior
Faculty Mentor: Steven Kreft, Clinical Associate Professor, Business Economics and Public Policy
Panel 5  Social and Cultural Questions

2:00 – 4:15  Room 1225

Undergraduate moderator: Gabriel Ancil
Graduate moderator: Jessica Leach

**Perceptions of Greek Affiliation in Online Work Profiles**
*Presenter:* Jessica Cadwell, Psychology/Sociology, Senior  
*Faculty Mentor:* Youngjoo Cha, Assistant Professor, Sociology

**When Personal Views Conflict with Religion: Political Ideology and the Church**
*Presenter:* Sean Bock, Sociology/Political Science, Senior  
*Faculty Mentor:* Youngjoo Cha, Assistant Professor, Sociology

**Expectations and Motivations for Gender and Career Choice**
*Presenter:* Erin Macke, Sociology/Psychology, Junior  
*Faculty Mentor:* Youngjoo Cha, Assistant Professor, Sociology

**“I am not an American, I am a Human Being,”: History of Estelle Ishigo, A White American Citizen Renouncing Her Whiteness**
*Presenter:* Grace Shen, History/American Studies, Senior  
*Faculty Mentor:* Rebecca Spang, Professor, History

**Eternal Ephemera: Identifying Paradoxes in Conservation of Installation Art**
*Presenter:* Madeline Zook, Art History/Chemistry, Senior  
*Faculty Mentor:* Bret Rothstein, Professor, History of Art

**Mann: The Western Gateway to the Hopewell Interaction Sphere**
*Presenter:* Cailey Mullins, Anthropology/Classical Studies, Senior  
*Faculty Mentor:* April Sievert, Senior Lecturer, Anthropology

**The Motivations and Beliefs of Communists in Early Twentieth Century United States: An Archival Exploration and Documentation of Early Findings**
*Presenter:* Erin Patterson, International Studies/Slavic and Eastern European Studies/History, Freshman  
*Faculty Mentor:* Padraic Kenney, Professor, International Studies
Panel 6  Decision-Making, Policy, and Classroom Instruction

2:00 – 3:20  Room 1220

Undergraduate moderator: Jack Fruth
Graduate moderator: Matt Walker

Powerful Points: A Search for Effective Electronic Presentation Techniques
Presenter: Jeremy Goddard, Theatre/Marketing, Senior
Faculty Mentor: April Heltsley, Professor, Computer Science

Rationalizing Irrationality
Presenter: Tanishq Gupta, Business Management, Freshman
Faculty Mentor: Leah Savion, Senior Lecturer, Philosophy

Giving Circles: Beyond Philanthropy
Presenter: JoAnna Ness, Nonprofit Management, Senior
Faculty Mentor: Jill Nicholson-Crotty, Associate Professor, SPEA

Mapping Collaboration in Veterans and Military Family Services
Presenter: Ryan Van Slyke, Music/International Studies, Sophomore
Faculty Mentor: Nicholas Armstrong, Senior Director, Research and Policy
Acknowledgements

Keynote Speaker

Andrea Ciccarelli is Dean of the Hutton Honors College and a Professor of Italian Studies at Indiana University. He has a Ph.D. in Italian studies and a Master of Arts in Italian and comparative literature, both from Columbia University, and an advanced degree from Sapienza University of Rome.

Ciccarelli’s research focuses on modern Italian culture, with a focus on migration, boundaries and exile in contemporary Italian and European culture. He has taught classes on the Italian Renaissance, the myth of Rome in modern culture, contemporary Italian culture and other topics.

He directed the College Arts and Humanities Institute in the College of Arts and Sciences from 2001 to 2011, has served as chair of the Department of French and Italian for many years, and directed IU’s Overseas Study Program in Florence. He has been editor of Italica, the journal of the American Association of Teachers of Italian, since 2004.

Steering Committee

Bryce Campbell is the Scholarship Coordinator for the Hutton Honors College. She has been a member of the Hutton Honors College team for five years having previously worked with the IU Office of Student Financial Assistance. Bryce has a Bachelor’s degree in Business Management from the Kelley School of Business.

Lynn Cochran is the Assistant Dean of the Hutton Honors College. She has a Master’s degree in Creative Writing and a PhD in English Literature from Indiana University.

Reinaldo Correa is the Office Services Assistant for the Hutton Honors College. He is a graduate of Indiana University, obtaining his Bachelor’s Degree in Political Science. Reinaldo plans on completing a Master of Business Administration Degree in the near future.

Robin Walker is the Program Assistant for the Cox Research Scholars Program. She has been with Hutton Honors College for six years. Formerly, Robin worked in the Office of the Vice President of Information Technology. She earned a Bachelor’s degree in Natural & Mathematical Science with a minor in Human Sexuality back in December 2013.

Workshop Leader

*A special thanks to Dr. Cheng Kao for coordinating the workshops for the symposium presenters.*

Cheng Kao is a Professor in the Molecular and Cellular Biochemistry department. He received his B.S. from the University of Michigan (‘84) and his Ph.D. in Microbiology from Michigan State University (‘88). He was an American Cancer Society postdoctoral fellow at UCLA and a National Science Foundation postdoctoral fellow at the University of Wisconsin-Madison. Dr. Kao joined the Indiana University
faculty in 1993. He was an Outstanding Junior Faculty, a Jack Gill Fellow and a visiting scientist at GlaxoSmithKline, Centocor Inc., Peking University Health Science Center, and UC Berkeley.

Dr. Kao’s research is on the replication of RNA viruses, including the Hepatitis C virus, the human norovirus and several plant viruses. His lab also studies the innate immune receptors that recognize RNA viruses. An fulfilling aspect of his research is that he could work with scientists from both academia and pharmaceutical companies on basic and applied research directions. Dr. Kao has taught a number of undergraduate and graduate courses, including Honors Molecular Biology, the Mechanisms of the AIDS Virus Infection, Integrated Biochemistry, Molecular Genetics, and Grant Writing.

**Moderators**

**Thomas Amick** is a Masters student majoring in Biotechnology, and working toward a Kelly School of Business Certificate in Business in the Life Sciences. His research project focuses on broad spectrum antibiotic resistance in Gram-negative bacteria. Specifically, he is looking for evidence of induction and over-expression of carbapenemases and cephalosporinases in clinical isolates of *Serratia marcescens*. Thomas hopes to pursue a career in the growing biotechnology industry, preferably continuing to work with antibiotic-resistant bacteria.

**Gabriel Ancil** is a junior majoring in International Studies and Sociology, minoring in psychology. She serves as the Director of Recruitment for Sigma Iota Rho, the international affairs honor society, for which she manages social media and outreach. Although she is involved with Middle Way House here in Bloomington, she will expand her outreach this summer in Morocco, where she will be volunteering with a women’s empowerment program. Gabriel hopes to work with an NGO or nonprofit for violence against women in her future.

**Deepti Bansal** is a senior majoring in Business Economics, minoring in Spanish and Business & the Environment through the Individualized Major Program. She serves as a Director of the Hutton Honors Council Association where she leads over 100 Honors student leaders in 12 residential councils for planning events for the honors communities. In addition, Deepti is the creator of her own small business called Punctata Accessories where she sells items made out of recycled textiles by Costan Rica artisans and donates all the profits to wildlife conservation. Deepti will be working in Washington, D.C. as a consultant for PwC after graduation.

**Jack Fruth** is a senior double majoring in human biology and Japanese. Jack is originally from Kokomo, Indiana. After graduation he plans on working at a cafe outside of Hiroshima for 8 months.

**Cleo Hernandez** is a senior pursuing two bachelor’s degrees, one in Political Science and one in Policy Analysis. She also has minor in Latin. She serves as an active member in the Collins Living Learning Center Community, and is president of the Hutton Honors College student group Diversity In Action. In addition, she is the Director of the IU Student Association Department of Student Rights. After graduation, Cleo plans on attending law school, in the hopes of one day becoming a public defender.
Jessica Leach is a PhD candidate in the history department. She is currently finishing her dissertation titled *A Network of Holy Women: Early Thirteenth-Century Women in the Low Countries* under the direction of Professor Leah Shopkow. Her dissertation looks at the social networks of holy women, monks, and mendicants and the creation of individual and group identities in the diocese of Liège in the thirteenth century.

Binyan Li is teaching and finishing his MA in Italian Studies at IU. His interests currently fall within the domain of empirical and experimental humanities, and include storytelling, narrative, moral judgment and prejudice. After his MA, he intends to continue his research as a cognitive scientist.

Haily Merritt is a junior from Indianapolis studying Linguistics in the College of Arts and Sciences. She researches psycholinguistics and language acquisition as part of her work for the Cox Research Scholars Program. Haily is an editor of the IU Journal of Undergraduate Research and president of IUB’s Undergraduate Linguistics Club.

Jaimie Murdock is a joint PhD student in Cognitive Science and Informatics. He studies the construction of knowledge representations and the dynamics of expertise. While majoring in two scientific disciplines, most of Jaimie’s research occurs in the digital humanities, where he uses computational methods to investigate topics in history and philosophy from Thomas Jefferson’s libraries to Charles Darwin’s reading notebooks. He is the lead developer of the InPhO Project and the InPhO Topic Explorer. [http://jamram.net/](http://jamram.net/)

Lorander Saggu is a senior Computer Science Major in the School of Informatics and Computing, minoring in Biology and Chemistry. Lorander works as a Student Manager at the IU Auditorium, a Peer Adviser with the School of Informatics and Computing, and he serves as Webmaster for the Intra-Collegiate Emergency Medical Service on campus. Furthermore, Lorander is conducting an independent research project with Jaimie Murdock and Dr. Colin Allen on automatic topic-modelling. After graduation, Lorander will begin working with Appirio in Indianapolis, but he hopes to further his academic career as well.

Matthew Walker, AuD, is a first-year PhD student in the Department of Speech and Hearing Sciences at Indiana University Bloomington. After completing a summer research internship and a 2014-2015 postdoctoral fellowship at Indiana University in the areas of tinnitus and psychoacoustics, he recognized a desire to pursue deeper knowledge in speech and hearing sciences. His goals are to foster diversity through service in leadership panels and to produce research relevant to the wider body of speech and hearing professionals. Dr. Walker was honored to speak about his research at the 2015 Indiana Speech-Language-Hearing Association Conference and at the 2016 Kentucky Speech-Language-Hearing Association Conference. His current research interests include tinnitus, clinical applications of psychoacoustics, and age-related hearing loss.

Calvin Yahn is a student in the SPEA Masters Program in the Dual Degree Master of Public Affairs/Master of Science Environmental Science and works for the Indiana Business Research Center. He received his BS in Biology and Environmental Studies from Alma College in 2013. At Alma, he
screened extracts from native plants to find anti-cancer properties as part of a research project with Dr. Brian Doyle. In the summer of 2014, he interned with a Ugandan NGO to develop a pig raising program for income generation. Last summer, he worked with the Chesapeake Bay Foundation to find agricultural conservation practices that also benefited farmers. In his free time, he enjoys singing and scuba diving.

**Faculty Mentors**

The Hutton Honors College would like to recognize and offer special thanks to the following faculty who served as mentors to our 2016 Hutton Honors College Research Symposium & Poster Fair Presenters:

Colin Allen, Professor, Department of History and Philosophy of Science

Jeffrey Anderson, Professor, School of Education

Nicholas Armstrong, Senior Director, Institute for Veterans and Military Families

John E. Bates, Professor, Department of Psychological and Brain Sciences

Jonathon Beckmeyer, Assistant Professor, School of Public Health

James Bever, Professor, Department of Biology

Matthew Bochman, Assistant Professor, Molecular and Cellular Biochemistry Department

Ana Maria Brannan, Associate Professor, School of Education

Gary Branham, Adjunct Faculty, School of Public and Environmental Affairs

Fritz Breithaupt, Professor, Department of Germanic Studies

Eduardo Brondizio, Professor, Department of Anthropology

Joshua Brown, Associate Professor, Department of Psychological and Brain Sciences

Thomas Busey, Professor, Department of Psychological and Brain Sciences

Karen Bush, Professor, Department of Molecular and Cellular Biochemistry

Beth Cate, Associate Professor, School of Public and Environmental Affairs
Youngjoo Cha, Assistant Professor, Department of Sociology
Heidi Cornell, Analytic Support Associate, School of Education
Jonathan Crystal, Professor, Department of Psychological and Brain Sciences
Isabelle Darcy, Associate Professor, Department of Second Language Studies
Thomas Doak, Associate Research Scientist, Department of Biology
Justin Garcia, Assistant Professor, Department of Gender Studies
Deborah Getz, Clinical Assistant Professor, School of Public Health
April Heltsley, Professor, Kelley School of Business
Eileen Julien, Professor, Department of Comparative Literature
Cheng Kao, Professor, Department of Molecular and Cellular Biochemistry
Daniel Kearns, Associate Professor, Department of Biology
Padraic Kenney, Professor, School of Global and International Studies
Steven Kreft, Clinical Associate Professor, Kelley School of Business
Andrew Koke, Coordinator, Student Academic Center
Michael Lynch, Professor, Department of Biology
Ken Mackie, Professor, Department of Psychological and Brain Sciences
Nancy Magill, Senior Lecturer, Department of Molecular and Cellular Biochemistry
Scott Michaels, Professor, Department of Biology
Mary Murphy, Assistant Professor, Department of Psychological and Brain Sciences
Jill Nicholson-Crotty, Associate Professor, School of Public and Environmental Affairs
Morten Oxenboell, Assistant Professor, Department of East Asian Languages and Culture
Nicola Pohl, Professor, Department of Chemistry
Susanne Ressl, Assistant Research Scientist, Department of Molecular and Cellular Biochemistry

Bret Rothstein, Professor, Department of the History of Art

Leah Savion, Senior Lecturer, Department of Philosophy

April Sievert, Senior Lecturer, Department of Anthropology

Sarah Smith-Robbins, Adjunct Lecturer, Kelley School of Business

Rebecca Spang, Professor, Department of History

Olaf Sporns, Professor, Department of Psychological and Brain Sciences

Cassidy Sugimoto, Associate Professor, School of Informatics and Computing

Rasheda Sultana, Lecturer, Department of Molecular and Cellular Biochemistry

W. Dan Tracey, Associate Professor, Department of Biology

Tiffany Tsui, Research Associate, Department of Biology

Julia van Kessel, Assistant Research Scientist, Department of Molecular and Cellular Biochemistry

Rick Van Kooten, Professor, Department of Physics

Robert Vaughan, Lecturer, Department of Molecular and Cellular Biochemistry

Michael Wade, Professor, Department of Biology

Claire Walczak, Professor, Department of Molecular and Cellular Biochemistry

Malcolm Winkler, Professor, Department of Biology
Notes
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