

13<sup>th</sup> Annual Robert J. Huskey

Biology professor **Robert J. Huskey** served the University for 32 years, starting in 1969. As Associate Dean for Graduate Studies, Dr. Huskey strongly advocated for improving the graduate student experience at UVa, especially in developing assistantships and providing adequate and affordable health care. The first Graduate Research Exhibition in spring 2001 coincided with Dr. Huskey's retirement. For his commitment to graduate students in the arts and sciences, the GSAS Council's cornerstone academic event was named the Robert J. Huskey Exhibition.

# Graduate Research Exhibition



UNIVERSITY  
*of* VIRGINIA

Newcomb Hall March 27<sup>th</sup> 2013

Welcome Participants, Judges, and Supporters,

The annual Robert J. Huskey Graduate Research Exhibition is the premier showcase for graduate student research at the University of Virginia. The Graduate Council is honored to partner once again with the Office of the Dean of the Graduate School of Arts & Sciences, the Office of the Vice President for Research & Graduate Studies, the Center for Undergraduate Excellence, and the School of Architecture to make this event possible. We are excited to share with the rest of the University community the great work embodied in the posters and discussions presented today.

Evan Joslin & Kaycie Tayler, Co-Chairs

Graduate Council Research Committee

## **Graduate Arts & Sciences Council Officers**

President, Ilon Weeldreyer

Vice President of Administration, Catherine Sanger

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Robert Amanfu

Morgan Bolden

Samantha Burgess

Diana Dinescu

Stacey Gorski

David Hondula

Maduka Kaluarachchi

Joanna McKnight

George Privon

## **Special Thanks To:**

The Office of the Dean of the Graduate School of Arts and Sciences, The Office of the Vice President for Research and Graduate Studies, The UVa School of Architecture, The Center for Undergraduate Excellence

Dr. Robert J. Huskey

Dorothy Lippincott, for hosting the event in Newcomb Hall and arranging the facility details

UVa Facilities Management, for pleasant partnerships that help the exhibition run smoothly

All the judges and graduate student volunteers

# 2012 Award Recipients

## Arts and Humanities Oral Presentation

First Place: Jaime Allison

Second Place: Stan Stepanic

## Biological and Biomedical Sciences Oral Presentations

First Place: Noel Derecki, Kimberly Cox, Kaycie Kuss Tayler, Stacey Gorski

Second Place: Jason Yang, Matt Seward

Third Place: Maureen Bjerke, Jennie Rheuban, Ben Thiede

## Physical Science and Mathematics Oral Presentations

First Place: Izzie Green, Evan Joslin

Second Place: Jennifer Patterson, Bin Chen

Third Place: George Privon, Abi Bhattachan

## Social and Behavioral Sciences Oral Presentations

First Place: Cristina Reitz-Krueger, David Dobolyi

Second Place: Rachel Riskind, Hephzibah Strmic-Pawl

Third Place: Marissa Griggs, Dan Martin

## Two Hoos Session

First Place: Gail Zasowski and Karen Hamm

Second Place: Neil Peterson and Eliza Peak

Third Place: Shibo Wang and Ian Edwards

## Biological & Biomedical Sciences Posters

First Place: Tony Awoojodu, Ramya Viswanathan, Olivia Mullins, Jennifer Kaplan, Marc Seaman

Second Place: Emily Evans, David Lowe, Xiao Chen, Jenny Hodges, Kelly Hondula

Third Place: Charli Dominguez, Jen Wingard, Zach Weiner, Robert Amanfu

## Physical Science & Mathematics Posters

First Place: Stesha Dunker, Alex Zestos, Jill Greiner

Second Place: Ryan Oliver, Yiwen Ouyang, Daniel Fox

Third Place: Kerui Xu, Jeff Atkins

## Social & Behavioral Sciences Posters

First Place: Eric Smith, Carol Brotherton, Siny Tsang, Thomas Talhein

Second Place: Robyn Kondrad, Erin Horn, Riana Anderson & Saida Hussain, Casey Eggleston

Third Place: Abigail Marter, Jordan Akt, Marina Omar

## Architecture School Winners

First Place: Charles Sparkman

Second Place: Ashley Allis

Third Place: Gray Graham

# Schedule of Events

## Opening Ceremony

9:00 a.m. South Meeting Room

*Keynote address by Dr. Phil Trella*

## Morning Oral & Poster Presentations

9:30 a.m. – 11:30 a.m.\*

## Two Hoos Session

11:15 a.m. – 1:10 p.m.\*

## Lunch for Judges

11:30 a.m. – 2:00 p.m. Kaleidoscope Room

## Afternoon Oral & Poster Presentations

1:15 p.m. – 3:15 p.m.\*

## Awards Ceremony

4:00 p.m. South Meeting Room

*Keynote address by Dr. Brian Nosek*

\*Specific times and locations for oral and poster presentations can be found on the next page of this program.

## Oral Presentations

### ARTS and HUMANITIES

Session A: 9:30 a.m.– 11:30 a.m. Room 389

### BIOLOGICAL and BIOMEDICAL SCIENCES

Session E: 9:30 a.m.–11:00 a.m. Gallery

Session F: 1:15 p.m.–3:15 p.m. Gallery

Session G: 9:30 a.m.–11:30 a.m. Commonwealth Room

Session H: 1:15 p.m.–3:15 p.m. Commonwealth Room

### PHYSICAL SCIENCES and MATHEMATICS

Session C: 9:30 a.m.–11:30 a.m. Room 481

Session D: 1:15 p.m.–3:15 p.m. Room 481

### SOCIAL and BEHAVIORAL SCIENCES

Session B: 1:15 p.m.–3:15 p.m. Room 389

Session I: 9:30 a.m.–11:30 a.m. South Meeting Room

Session J: 1:15 p.m.–3:15 p.m. South Meeting Room

### “TWO HOOS” GRADUATE-UNDERGRADUATE RESEARCH

Session X: 11:15 a.m.–1:10 p.m. Gallery

## Poster Presentations

### ARCHITECTURE

Session 10: 9:00 a.m.–11:30 a.m. Kaleidoscope Room

### BIOLOGICAL and BIOMEDICAL SCIENCES

Session 1: 9:30 a.m.–11:30 a.m. Ballroom

Session 2: 9:30 a.m.–11:30 a.m. Ballroom

Session 5: 1:15 p.m. – 3:15 p.m. Ballroom

Session 6: 1:15 p.m. – 3:15 p.m. Ballroom

### PHYSICAL SCIENCES and MATHEMATICS

Session 4: 9:30 a.m.–11:30 a.m. Ballroom

Session 7: 1:15 p.m.–3:15 p.m. Ballroom

Session 8: 1:15 p.m.–3:15 p.m. Ballroom

### SOCIAL and BEHAVIORAL SCIENCES

Session 3: 9:30 a.m.–11:30 a.m. Ballroom

Session 9: 1:15 p.m.–3:15 p.m. Ballroom

## Oral Session Presenters

Rosemary Malfi, Environmental Sciences

Cecilia Márquez, History

Alex Marshall, Chemistry

Dan Martin, Psychology

Lillian McDonough, Nursing\*

JJ Mei, Chemistry

Brett Moody, Chemistry\*

Emily Moser, Pharmacology

Matt Motyl, Psychology

Brandon Ng, Psychology

Carolyn Palmquist, Psychology

Tim Pennucci, Astronomy

Jared Pienkos, Chemistry

Michael Poznansky, Politics

Michael Regan, Biophysic

Cristina Reitz-Krueger, Psychology

Nelson Reveley, Religious Studies

Ashley Ross, Chemistry

Michael Schreck, Economics

Erdem Sendinc, Biochemistry and Molecular Genetics

Chelsi Snow, Biochemistry and Molecular Genetics

Ana Stevanovic, Chemistry

Ashley Stevenson, English

Jonathan Stocking, Environmental Sciences

Heather Sullivan, Environmental Sciences

Beth Sutherland, English

Michael Swanberg, Nursing Graduate Program

Emily Sydnor, Politics

Sara Taube, Environmental Sciences

Victor Teran, Chemistry\*

Benjamin Thiede, Neuroscience

Sarah Thomas, Psychology

Jennifer Tomlinson, Chemistry\*

Edward Triplett, History of Art and Architecture

Francesca Tripodi, Sociology

Siny Tsang, Psychology

Elyssa Twedt, Psychology

Andrew Vitek, Chemistry\*

Lisa May Walker, Astronomy

Zachary Weiner, Microbiology

Julian Wills, Psychology\*

Kerui Xu, Chemistry

Alex Zestos, Chemistry

\* Undergraduate Two Hoos Presenter

## Oral Session Presenters

Robert Amanfu, Biomedical Engineering  
Melissa Anderson, Microbiology, Immunology, and Cancer Biology  
Jeff Atkins, Environmental Sciences  
Scott Bailey, Religious Studies  
Abi Bhattachan, Environmental Sciences  
Morgan Bolden, Chemistry  
Samantha Burgess, Chemistry  
Xiao Chen, Biomedical Engineering  
Christine Coquery, Microbiology, Immunology, and Cancer Biology  
Joanna Corby, Astronomy  
Kylene Daily, Chemistry\*  
David Dobolyi, Psychology  
Joseph Dolina, Microbiology  
Scott Donald, Chemistry  
Ryan Duve, Physics  
Becca Frazier, Psychology  
Daniel Fried, Economics  
Kanchana Gamage, Biology  
Elizabeth Gilbert, Psychology  
Stacey Gorski, Microbiology, Immunology, and Cancer Biology  
Lucy Guarnera, Psychology  
Carlee Beth Hawkins, Psychology  
Boris Heersink, Politics  
Jenny Hodges, Cell Biology  
David Hondula, Environmental Sciences  
Erin Horn, Psychology  
Joseph Houck, Chemistry  
Adam Hughes, Politics  
Paul Jensen, Biomedical Engineering  
Karin Jensen, Biomedical Engineering  
Morgan Johnson, Microbiology, Immunology & Cancer Biology  
Jennifer Kaplan, Pathology  
Manolis Kargiantoulakis, Physics  
Joe Kilroy, Biomedical Engineering  
Calvin Lai, Psychology  
Jianyi Lee, Cell Biology

*\* Undergraduate Two Hoos Presenter*

## Judges

Joel Anderson  
Morgan Angulo  
Jeff Bergen  
Sarah Betzer  
Daniel Bluestone  
Jay Brown  
Linda Bullock  
W.G. Clark  
Robert Cox  
Phoebe Crisman  
Anusuya Das  
Stephan De Wekker  
Gina DeGennaro  
Judy DeLoache  
Chad Dodson  
Howie Epstein  
Loren Erickson  
Desiree Floyd  
Jay Fox  
Valerie Futch  
Kevin Hart  
Carmenita Higginbotham  
Peter Horanyi  
Jing Hou  
Vinod Jyothikumar  
Dean Kedes  
Jonathan Kipnis  
D. Verena Kollig  
John Lazo  
Manuel Lerda  
Ankit Malhotra  
Samuel Martin Vilchez  
Ted Matson  
Eileen Merritt  
Sara Myers  
Sandip Pal  
Kunj Pathak  
Eusebio Pires  
Dinko Pocanic  
Edward Pryor  
Eric Ramirez-Weaver  
Fred Richardson  
Karen Robinson  
Jessica Sarver  
Jeff Saucerman  
Yogesh Scindia  
Lisa Shock  
James Simmons  
Kasey Soska  
Dan Spitzner  
Phillip Trella  
Alexandrina Untaroiu  
Ramya Viswanathan  
Timo von Oertzen  
Hussain Zaidi

## Poster Session Presenters

Alia Al-Haj, Environmental Sciences  
Lissa Anderson, Chemistry  
Emily Andre, Neuroscience  
Jordan Axt, Psychology  
Debalina Bagchi, Cell Biology  
Alicia Baik, Economics  
Loreto Barcos Munoz, Astronomy  
Bernadette Blanchfield, Psychology  
Chris Brandt, Architecture  
Ashton Brock, Chemistry  
Katherine Cannella, Landscape Architecture  
Judy Chang, Architecture  
Karol Cichewicz, Biology  
Chris DeRosa, Chemistry  
Charli Dominguez, Neurology  
Anne Dunckel, Environmental Sciences  
Ramina Farajzadeh Deroee, Architecture  
Michael Ferracane, Chemistry  
Jake Fox, Landscape Architecture  
Jaclyn Garet, Planning  
Jessica Gephart, Environmental Sciences  
Dan Harmon, Biochemistry and Molecular Genetics  
Kate Hayes, Landscape Architecture  
Anna Hong, Architecture  
Saida Hussain, Psychology  
Harsh Jain, Architecture  
Kristen Jones, Astronomy  
Jonathan Joy-Gaba, Pharmacology  
Lindsay Juarez, Psychology  
Dylan Kennedy, Pharmacology  
Robyn Kondrad, Psychology  
Peter Krueger, Microbiology

## Poster Session Presenters

Mike LaForest, Economics  
Qian Liu, Chemistry  
David Lowe, Microbiology, Immunology, and Cancer Biology  
Stacy Malaker, Chemistry  
Erin Maresh, Psychology  
Payton May, Urban and Environmental Planning  
Blake McDonald, Architectural History  
Bhairav Mehta, Biomedical Engineering  
Alex Morgan, Environmental Sciences  
Bill Morris, Chemistry  
Alison Nagel, Psychology  
Michael Nguyen, Chemistry  
Matthew O'Connell, Environmental Sciences  
Ryan Oliver, Chemistry  
Eve Privman, Chemistry  
Xuan Qin, Molecular Physiology and Biological Physics  
Danielle Racke, Biology  
Peter Randolph, Chemistry  
David Reinhard, Psychology  
Tiantian Ren, Biology  
Andrew Robison, Environmental Sciences  
Megan Sebasky, Biology  
Kirsten Sparenborg, Architectural History  
Dana Stefanelli, History  
Heather Sullivan, Environmental Sciences  
Oliver Vranesh, Architecture  
Zhang Wang, Biology  
Pei Wang, Physics  
Evan Wolfe, Physics  
Yishan Xu, Psychology  
Bo Zhao, Astronomy