

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

**Graduate  
Research  
Exhibition**



**UNIVERSITY**  
*of*  
**VIRGINIA**

**Newcomb Hall    March 21<sup>st</sup> 2012**

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 and the Office of the Vice President for Research & Graduate Studies 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.

Shawn Fahl & Evan Joslin, Co-Chairs

Graduate Council Research Committee

# Sequence of Events

## **Morning Oral & Poster Presentations**

9:00 a.m. – 12:00 p.m.\*

## **Lunch for Judges**

11:30 a.m. – 2:00 p.m. Newcomb 360

## **Afternoon Oral & Poster Presentations**

1:00 p.m. – 3:00 p.m.\*

## **Keynote Address and Awards**

4:00 p.m. South Meeting Room

*Keynote address by Dean Aaron Laushway*

\*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 E: 10:00 a.m.– 11:20 a.m. Board Room

## BIOLOGICAL and BIOMEDICAL SCIENCES

Session A: 9:00 a.m.–10:40 a.m. Newcomb 389

Session F: 1:20 p.m.–3:00 p.m. South Meeting Room

Session I: 2:00 p.m.–3:40 p.m. Board Room

## PHYSICAL SCIENCES and MATHEMATICS

Session C: 9:20 a.m.–11:20 a.m. Commonwealth Room

Session G: 1:20 p.m.–3:20 p.m. Newcomb 389

## SOCIAL and BEHAVIORAL SCIENCES

Session B: 9:10 a.m.–11:10 a.m. South Meeting Room

Session H: 1:40 p.m.–3:40 p.m. Newcomb 481

## “TWO HOOS” GRADUATE-UNDERGRADUATE RESEARCH

Session D: 2:15 p.m.–4:15 p.m. Commonwealth Room

# Poster Presentations

## ARCHITECTURE

Session 1: 9:00 a.m.–11:00 a.m. Ballroom

## BIOLOGICAL and BIOMEDICAL SCIENCES

Session 6: 10:00 a.m.–12:00 p.m. Ballroom

Session 7: 10:00 a.m.–12:00 p.m. Ballroom

Session 11: 1:00 p.m. – 3:00 p.m. Ballroom

Session 12: 1:00 p.m. – 3:00 p.m. Ballroom

Session 13: 1:00 p.m. – 3:00 p.m. Ballroom

## PHYSICAL SCIENCES and MATHEMATICS

Session 4: 10:00 a.m.–12:00 p.m. Ballroom

Session 5: 10:00 a.m.–12:00 p.m. Ballroom

Session 10: 1:00 p.m. – 3:00 p.m. Ballroom

## SOCIAL and BEHAVIORAL SCIENCES

Session 2: 10:00 a.m.–12:00 p.m. Ballroom

Session 3: 10:00 a.m.–12:00 p.m. Ballroom

Session 8: 1:00 p.m. – 3:00 p.m. Ballroom

Session 9: 1:00 p.m. – 3:00 p.m. Ballroom

# Judges

Rachana Agrawal

Joel Anderson

Jeremy Andreatta

Morgan Angulo

Stefan Baessler

Shivaram Bellave

Linda Bullock

Chris Burns

Anusuya Das

Gina DeGennaro

Chad Dodson

Howie Epstein

Desiree Floyd

Douglas Fordham

Mary Gibson

Dustin Graham

Rachael Griffiths

Christian Gromoll

Stephanie Guerlain

Janet Herman

Robert Hirosky

Kyle Hoehn

Peter Horanyi

Jess Keim-Malpass

Yulia Koryakina

Rob Kretsinger

Kathryn Laughon

John Lazo

Kevin Lehman

Wendy Lynch

Michael Menaker

Jamie Morris

Cameron Mura

Sarah Myers

Olivier Pfister

Eusebio Pires

Mark Pouy

Richard Price

Fred Richardson

Jeff Saucerman

Yogesh Scindia

Michael Scott

Kasey Soska

Dan Spitzner

Alexandrina Untaroiu

Timo Von Oertzen

Mark Whittle

Ying Zhang

# Poster Session Presenters

E. Kaitlynn Allen, Biochemistry and Molecular Genetics  
Ashley Allis, Urban and Environmental Planning  
Riana Anderson, Psychology  
Jeff Atkins, Environmental Sciences  
Tony Awojoodu, Biomedical Engineering  
Jordan Axt, Psychology  
Kathryn Barletta, Pharmacology  
Christopher Beam, Psychology  
Morgan Bolden, Chemistry  
Carol Brotherton, Nursing  
Samantha Burgess, Chemistry  
Aaron Butz, Economics  
Xiao Chen, Biomedical Engineering  
Marcin Cieslik, Biochemistry  
Pam DeGuzman, Nursing  
Charli Dominguez, Neurology  
Stesha Dunker, Environmental Sciences  
Casey Eggleston, Psychology  
Emily Evans, Nursing  
Daniel Fox, Chemistry  
Laura Getz, Psychology  
Elizabeth Gilbert, Psychology  
Gray Graham, Architecture  
Jill Greiner, Environmental Sciences  
Justin Greving, Architectural History  
Elizabeth Gross, Psychology  
Jenny Hodges, Molecular Cell & Developmental Biology  
Kelly Hondula, Environmental Sciences  
Erin Horn, Psychology  
Joseph Houck, Chemistry  
Cynthia Huang, Biomedical Engineering  
Adam Hughes, Politics  
Scott Kaiser, Urban & Environmental Planning  
Jennifer Kaplan, Pathology  
Nicole Keroack, Architecture  
Robyn Kondrad, Psychology  
Anna Kowalska, Molecular Physiology and Biological Physics

# Poster Session Presenters

Aravinda Kuntimaddi, Physiology and Biological Physics

Minha Lee, Psychology

Ryan Lo, Chemistry

David Lowe, Microbiology, Immunology, and Cancer Biology

Abigail Yablonsky Marter, Nursing

Karen McDonnell, Nursing

Bhairav Mehta, Biomedical Engineering

Karolina Mirowska, Biology

David Morris, Environmental Sciences

Olivia Mullins, Neuroscience

Ryan Oliver, Chemistry

Marina Omar, Politics

Yiwen Ouyang, Chemistry

Tim Pennucci, Astronomy

Neil Peterson, Nursing

Jared Pienkos, Chemistry

Kristin Rourke, Architectural History

Karen Ryall, Biomedical Engineering

Marc Seaman, Biomedical Engineering

Laura Shankman, Physiology

Soo Shin, Biomedical Engineering

Emily Sloan, Microbiology

Eric Smith, Psychology

Charles Sparkman, Architecture

Michael Swanberg, Nursing

Thomas Talhelm, Psychology

Samantha Tornello, Psychology

Siny Tsang, Psychology

Ramya Viswanathan, Biochemistry and Molecular Genetics

Sisi Wang, Chemistry

Todd Warner, Psychology

Zach Weiner Microbiology, Immunology, and Cancer Biology

Grace Wilkinson, Environmental Sciences

Jen Wingard, Biophysics

Kerui Xu, Chemistry

Yishan Xu, Psychology

Alex Zestos, Chemistry

# Oral Session Presenters

Dan Martin, Psychology

Nick Meros, Politics

Jennifer Patterson, Chemistry

Kosta Popovic, Physics

George Privon, Astronomy

Carlos Pulido, Economics

Peter Randolph, Chemistry

Cristina Reitz-Krueger, Psychology

Laura Reynolds, Environmental Sciences

Jennie Rheuban, Environmental Sciences

Rachel Riskind, Psychology

Victoria Sanchez, Neuroscience

Donna Schminkey, Nursing

David Seekell, Environmental Sciences

Asli Senkal, Economics

Matt Seward, Cell Biology

Stan Stepanic, Slavic

Hephzibah Strmic-Pawl, Sociology

Kaycie Kuss Tayler, Psychology

Ben Thiede, Neuroscience

Isaah Vincent, Microbiology, Immunology, and Cancer Biology

Jason Yang, Biomedical Engineering



# Oral Session Presenters

Jaime Allison, History  
Robert Amanfu, Biomedical Engineering  
Oat Arpornthip, Physics  
Abi Bhattachan, Environmental Sciences  
Maureen, Bjerke Cell Biology  
Bin Chen, Astronomy  
Frank Cirillo, History  
Kimberly Cox, Neuroscience  
Noel Derecki, Neuroscience  
David Dobolyi, Psychology  
Holly Earls, Psychology  
Stacey Gorski, Microbiology  
Izzie Green, Chemistry  
Eric Greenwald, Biomedical Engineering  
Marissa Griggs, Psychology  
Karin Holmberg, Biomedical Engineering  
David Hondula, Environmental Sciences  
Christopher Jacobs, Chemistry  
Candace Johnson, Nursing  
Evan Joslin, Chemistry  
Derek King, Politics  
Patricia Kinser, Nursing

# 2011 Award Recipients

## Arts and Humanities Oral Presentation

First Place: Gabriel Hankins, Shelli Poe

Second Place: Emily Gravett, Kirstin Ek

Third Place: Ana Alves

## Biological and Biomedical Sciences Oral Presentations

First Place: Christy Nichols, Evonne Johnson, Roshan James

Second Place: Olivia Mullins, Caitlin Burke, Melissa Aikens

Third Place: Matt Rannals

## Physical Science and Mathematics Oral Presentations

First Place: Tim Pennucci, Amy Reines

Second Place: Amanda Steber, George Trammell

Third Place: David Hondula

## Social and Behavioral Sciences Oral Presentations

First Place: Kaycie Kuss Tayler, Rachel Riskind

Second Place: Shushanik Hakobyan, David Seekell

Third Place: David Szwedo, Blair Gross

## Biological & Biomedical Sciences Posters

First Place: Ruth Castellanos, Monica Lee, Michaela Levin, Stacey Gorski, Molly Tinius

Second Place: Nick Hargus, Christopher Jacobs, Anthony Awojoodu, Cynthia Huang, Neethi Rao

Third Place: Jakub Bielnicki, Lucia Tejada

## Physical Science & Mathematics Posters

First Place: Tiandong Liu, Ami Riscassi, Jingyi Li

Second Place: Joseph Houck

Third Place: Nguyen Nguyen, Trisha Vickery

## Social & Behavioral Sciences Posters

First Place: Kelly Marie Hoffman, Carolyn Palmquist, Meg Bryce

Second Place: Samantha Tornello

## Architecture School Winners

First Place: Gray Graham

Second Place: Aja Bulla-Richards

Third Place: Lin Jia

***We hope that you enjoy this year's exhibition!***

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

Ilon Weeldreyer, President

George Privon, First Vice President

Michael Schreck, Second Vice President

Dylan Rogers, Treasurer

## **GSAS Council Research Committee**

Samantha Burgess

Stephanie Demperio

Shawn Fahl

Gray Graham

Stacey Gorski

David Hondula

Evan Joslin

Kosta Popovic

George Privon

Michael Schreck

## **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

Associate Dean of Students Aaron Laushway

Dorothy Lippincott and Greg Morris, 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

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.