

The College of Natural & Health Sciences'
Fourth Annual Student Research Celebration

April 2, 2009

*UC Fireside Lounge and Pikes Peak Ballroom
University of Northern Colorado
Greeley, Colorado*

The College of Natural and Health Sciences' (NHS') Student Research Celebration is intended to honor noteworthy research by NHS undergraduate and graduate students as well as exemplary research mentoring by NHS Faculty.

Agenda

5:30-7:00 PM NHS Student Poster Showcase

7:00-9:00 PM Banquet

- ◆ Opening Remarks: Denise Battles, Dean
- ◆ Welcome and Comments: Abe Harraf, Provost
- ◆ Dinner
- ◆ Presentations:
 - Jessica Smoot, Undergraduate Student Speaker
School of Mathematical Sciences
Secondary Education
 - Brendan Dwyer, Graduate Student Speaker
School of Sport and Exercise Science
Sports Administration
 - Susan Keenan, Faculty Mentor Speaker
School of Biological Sciences

Graduate Faculty Research Mentor of the Year Award

Honoree - Graduate Faculty Mentor of the Year

Juliet Fried

Nominees

Rick Adams: School of Biological Sciences

Juliet Fried: School of Human Science (Human Rehabilitative Services)

Melissa Parker: School of Sport and Exercise Science

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Undergraduate Faculty Research Mentor of the Year Award

Honoree - Undergraduate Faculty Mentor of the Year

Gregory DeKrey

Nominees

Gregory DeKrey: School of Biological Sciences

Terry Scott: School of Mathematical Sciences

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Acknowledgments



The College thanks Greeley Centennial Rotary for its generous support of this event.

We would also like to thank the faculty, staff, students, and supporters who participated and assisted in making this year's Student Research Celebration a success.

Thank you to everyone who donated to the Student Research Fund, a fund which supports research and research-related travel by the College's students. Your donations will help to fund future student research, such as that you have seen tonight.

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Pictures and announcements regarding this event will be available on our website at http://www.unco.edu/nhs/highlights/student_research2009.html after April 17.

Student Poster Presenters

School of Biological Sciences

Jacqueline Johnson: Steps Toward an Edible Malarial Vaccine

Lindsey Mast: Immunohistochemical Evaluation of Brain Explants in a Mouse Model of Schizophrenia

Amie Madrigal, Ryan Pevey and Jon Ring: Wolf Deterrents and Motivation-Structural Rules

School of Chemistry and Biochemistry

James MacArthur: Effect of a Chemical Education Ph.D. Program on Teaching Practices

Sarah Morris: Separation of a Mixture of Benzodiazepines using Reverse Phase High Performance Liquid Chromatography

School of Earth Sciences and Physics

Douglas Koch: Analysis of WRF Simulations of the 22 May 2008 Windsor Tornado using WSR-88D Radar Data

Casey Kuhns and Adam Wilson: Open Source Internet Robotics

School of Human Sciences

Katie Gersbach: A Comparison of the Acoustic Features of Vowels in a Pediatric Cochlear Implant User in Three Conditions: Right Implant Only, Left Implant Only, and Bilateral Implants

Aaron Lucero: A Comparative Inquiry of Student Satisfaction of their Respective University and College Town: University of Northern Colorado, Greeley, CO and Colorado State University, Fort. Collins, CO. Educational and Recreational Opportunities

Patricia Nickell: Oral Complications of Cancer Treatment

Danelle Vallejos: Preventing Waste Project: Analysis of Plate Waste in a Tray-less System

Stephanie Wood: Understanding the Attitudes, Behaviors and Barriers of Accessibility Concerning Sexual and Reproductive Health of “Sheltered-Homeless” Women in Denver, CO

School of Mathematical Sciences

Tiffany Brown-Utoft and Jessica Smoot: Lesson Experiment

Nicholas Carlson: A Scalable Distributed System for Analyzing Web Application Usage Behaviors

Joe Champion and Kristin King: College Mathematics in the First Year: Advising, Student Enrollment, and Course Success

Ann Wheeler: Traditional and Nontraditional Preservice Elementary Teachers’ Perceptions about Mathematics and Mathematics Teaching

School of Sport & Exercise Science

Brendan Dwyer: Divided Loyalty? An Analysis of Fantasy Football Involvement and Attitudinal Loyalty to Individual National Football League Teams

Ryan Hall: Exploring Donor Motives and Barriers to Giving

Heather Muir: Female Collegiate Ice Hockey Players and their Continued Involvement in Hockey Beyond College: A Qualitative Study



Student Speaker Honorees and Nominees

Speakers

Brendan Dwyer

Jessica Smoot

Speaker Nominees

Rhoda Deon: Graduate Student, School of Mathematical Sciences

Brendan Dwyer: Graduate Student, School of Sport and Exercise Science

Jessica Smoot: Undergraduate Student, School of Mathematical Sciences

Danelle Vallejos: Undergraduate Student, School of Human Sciences

Stephanie Wood: Graduate Student, School of Human Sciences