

*The College of Natural & Health Sciences'*  
**Third Annual Student Research Celebration**  
April 10, 2008

*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: Kay Norton, President
  - ◆Dinner
  - ◆Presentations:
    - Mike Bradshaw, Undergraduate Student Speaker  
School of Biological Sciences
    - Nissa Yestness, Graduate Student Speaker  
School of Mathematical Sciences
    - Jennifer Clarke, Faculty Mentor Speaker  
School of Biological Sciences

**Graduate Faculty Research Mentor of the Year Award**

**Honoree - Graduate Faculty Mentor of the Year**  
Jennifer Clarke

**Nominees**  
Jennifer Clarke: School of Biological Sciences  
Reid Hayward: School of Sport and Exercise Science  
Hortensia Soto-Johnson: School of Mathematical Sciences

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**Undergraduate Faculty Research Mentor of the Year Award**

**Honoree - Undergraduate Faculty Mentor of the Year**  
Susan Keenan

**Nominees**  
Susan Keenan: 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 o 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/sri/student\\_research\\_celebration.html](http://www.unco.edu/nhs/sri/student_research_celebration.html) after April 18.

## **Student Poster Presenters**

### **School of Biological Sciences**

Mike Bradshaw: *Effects of Snake Venom Peptides on Viability and Propagation of MCF-7 Breast Cancer Cells*

Ann Cogswell: *Cloning and Characterization of Cytokine Genes from Seba's Short-tailed Bat (*Carollia perspicillata*)*

Shanion Hart: *Molecular Genetics of Plant Cryo Stress*

Lindsay Hovda: *Comparison of Tunel and Comet Assays for Determining DNA Fragmentation in Cooled Stallion Sperm to Hydrogen Peroxide and Long-term Storage*

Jamie LeRoy: *Venom Ontogeny in the Mexican Lance-Headed Rattlesnake (*Crotalus ploystictus*)*

Kate Williamson: *To Yelp or Not to Yelp: Function of Yelp Vocalizations of Male Elk in Rocky Mountain National Park*

### **School of Chemistry, Earth Sciences & Physics**

W. Brooke Keckler: *Assessing a Substituent's Electronic Effect Using NMR Spectroscopy*

Jonathan Meyer: *Forecast Assessment of High Impact Colorado Cyclones – Case II: 24 April 2007 Snow and Severe Weather “Success”*

Tammy Rewerts: *The Effect of Ion Concentration on the Success Rate of Cold Water Hatcheries in Colorado*

Byron Straw: *Glacial and Periglacial Record of Post-Pinedale Climatic Events; Lake of the Cloud's Cirque, Never Summer Mountains, Colorado*

### **School of Human Sciences**

Kirsten Adkisson: *Prevalence of Idiopathic Sudden Sensorineural Hearing Loss (ISSNHL) Among Hearing Healthcare Professionals*

Tasha Bryant: *A Qualitative and Quantitative Analysis of Feeding Information and Protocols Provided to Caregivers of Infants with Craniofacial Defects*

Rachel Flint: *Effects of a Balance-Based Exercise Program on VEMP Measures in an Elderly Population*

Sara Gill: *Assessing Parental Knowledge, Attitudes, and Beliefs about Noise-Induced Hearing Loss in Children.*

Marshall Lipps: *Analysis of a Local Mosquito Population: A Spatial Comparative Analysis of Larval and Adult Mosquitoes in Boulder County, Colorado*

Yvette Lucero: *Utilization of Theories and Models to Identify Factors to Enhance both Mammography Adherence and Intention to Obtain a Mammography*

Sara Robinson: *Fast ForWord® to Reading I: An Evidence-Based Review*

Theresa Scarlotta: *Noise Exposure Measurements of Young Children*

## **School of Mathematical Sciences**

Sonia Kumar: *Incorporating Biweekly Algebra Quizzes and a Supplemental Algebra Unit in Honors Geometry Classes*

Guillermo (Steven) Sanchez: *Exploring the Benefits of Random Arrays of Independent Disks (RAID) of Standard Home Personal Computers*

Allison Toney: *Women with Advanced Degrees in Mathematics in Doctoral Programs in Mathematics Education*

### **School of Nursing**

Denise Curtis: *Perceptions of Nurse Care Behaviors by Moderately to Severely Injured Trauma Patients and their Families*

Bret Lyman: *Nursing Students' Decisions Regarding the Pursuit of Faculty Positions*

### **School of Sport & Exercise Science**

Brendan Dwyer: *The Experience of Fantasy Football Participation and Its Effect on Televised NFL Spectatorship: A Qualitative Analysis*

Ryan Hall: *Do Current Student Athletes' Perceptions of their Athletic Experience Influence their Intent to Give Back to their Alma Mater?*

Brock Jensen: *Effects of Short-Term Exercise on Doxorubicin-Induced Cardiotoxicity*

Heather Muir: *Are fans of women's sports all the same? The case of women's college ice hockey*

Chris Repka: *Health-Related Fitness and Quality of Life in Cancer Survivors*

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## **Student Speaker Honorees and Nominees**

### **Speakers**

Mike Bradshaw

Nissa Yestness

### **Speaker Nominees**

Kirsten Adkisson: Graduate Student, School of Human Sciences (ASLS)

Mike Bradshaw: Undergraduate Student, School of Biological Sciences

Tasha Bryant: Undergraduate Student, School of Human Sciences (ASLS)

Rachel Flint: Graduate Student, School of Human Sciences (ASLS)

Eric Hashberger: Undergraduate Student, School of Mathematical Sciences

Brock Jensen: Graduate Student, School of Sport and Exercise Science

Bret Lyman: Graduate Student, School of Nursing

Kate Williamson: Graduate Student, School of Biological Sciences

Nissa Yestness: Graduate Student, School of Mathematical Sciences