

The College of Natural & Health Sciences'
Inaugural Student Research Celebration

April 6, 2006

*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. It also serves as a fundraiser to benefit the NHS Student Research Fund.

Agenda

6:00-7:00 PM Poster Presentations - NHS Students

7:00-9:00 PM Banquet

Welcome

Dr. Denise Battles, Dean of the College of Natural and Health Sciences

Dr. Robbyn Wacker, Assistant Vice President for Research and Extended Studies, and Dean of the Graduate School

Dinner

Presentations

Kristin Nelson, Undergraduate Student Speaker (Audiology and Speech-Language Sciences)

Jessie Csizmadi, Graduate Student Speaker (Biological Sciences)

Dr. Robert Walch, Faculty Mentor Speaker (Physics)

Graduate Faculty Research Mentor of the Year Award

Honoree - Graduate Faculty Mentor of the Year

Dr. Shandy Hauk

Nominees

Dr. Shandy Hauk: Mathematical Sciences

Dr. Linda Haynes: Nursing

Dr. Gary Heise: Sport and Exercise Science

Dr. Stephen Mackessy: Biological Sciences

Dr. William Nesse: Chemistry, Earth Sciences and Physics



Undergraduate Faculty Research Mentor of the Year Award

Honoree - Undergraduate Faculty Mentor of the Year

Dr. Robert Walch

Nominees

Dr. Patrick Burns: Biological Sciences

Dr. Terry Scott: Mathematical Sciences

Dr. Robert Walch: Chemistry, Earth Sciences and Physics



Acknowledgments

The College of Natural and Health Sciences would like to acknowledge the following companies who donated to the Student Research Celebration and/or the Student Research Fund.

The Graduate School (University of Northern Colorado)

Hach Scientific Foundation

Kodak

Thompson Delmar Learning, Dianna Benigni

Thompson Learning, Dwala Canon

We would also like to thank everyone who donated, participated and assisted in making this year's Student Research Celebration a success.

Student Poster Presenters

School of Biological Sciences

Jessie Csizmadi: *An Assessment of Generic Boundaries of Rhodomyrtus (Myrtaceae) Based on Morphology and the Nuclear Internal Transcribed Spacer (ITS—1, 2) Region Sequence Data.*

Robyn Hamor: *Generation of Antigen Specific T-cell Lines from the Syrian Hamster.*

Ariana Malone: *Microhabitat Use by Brown Tree Snakes: Effects of Moonlight, Prey and Predators.*

School of Chemistry, Earth Sciences & Physics

Sarah-Catherine Hester (Earth Sciences): *Sheep Draw: A Water Quality Study in Greeley, CO.*

Sister Nicole Kunze (Chemistry): *Students' Integration of Multiple Representations in a Titration Experiment.*

Daniel Mack (Chemistry): *Streptavidin as a Linker to Self-Assembled Silane Monolayers: Surface Modification and Characterization.*

Ken Walter (Physics): *Demosat IV: Low-Mass Balloon-Borne Payload Deploying an Autonomous Rover.*

School of Human Sciences

Kara Kliewer (Dietetics): *Guar Gum Acceptable Substitute for Flour in Cookies.*

Kristin Nelson (Audiology & Speech-Language Sciences): *Semantic Language Abilities of One Child with a Cochlear Implant in a Total Communication Program.*

Jacqueline Pollman (Community Health & McNair Scholar): *Socio-Economic Status as a Predictor of Parental Influence on Adolescent Smoking Experimentation and Stage Progression.*

Michelle Thaxton (Audiology & Speech-Language Sciences): *Computer-Assisted Treatment to Increase Intelligibility for a School-Age Child who is Deaf or Hard of Hearing.*

School of Mathematical Sciences

Lane Andrew: *The Teaching Methods of Those Who Teach*

Mathematics to Future Teachers.

Nancy Geisendorfer: *Helping Prospective Elementary Teachers Gain Confidence in Their Understanding of Algebraic Concepts.*

Adam Wilson: *Catalan Number Bijections.*

School of Nursing

Dawn James: *Disaster Nursing Preparedness in Colorado.*

Denise Kawecki: *Stress in Nursing: Is it Contagious?*

School of Sport & Exercise Science

Chen-Yeuh (John) Chen: *A Study of Retaining Members in Fitness Centers Using Data Mining.*

Lisa Sprod: *Type of Breast Cancer Surgery Affects Exercise Intervention Outcome.*

Chien-Hsin (Jason) Wang: *The Economic Impact of the 2005 Junior Olympics TKD Championships.*

Karen Wonders: *The Effect of Endurance Training on Cardiac Function in Rats Receiving GW2974 and Doxorubicin.*



Student Speaker Honorees and Nominees

Honorees

Jessie Csizmadi

Kristin Nelson

Nominees

Jessie Csizmadi: Biological Sciences

Clark Dollard: Mathematical Sciences

Ulli Limpitlaw: Chemistry, Earth Sciences & Physics (Earth Sciences)

Dan Mack: Chemistry, Earth Sciences & Physics (Chemistry)

Kristin Nelson: Human Sciences (Audiology & Speech-Language Sciences)

Richard Rapp: Biological Sciences

Adam Wilson: Mathematical Sciences

Karen Wonders: Sport and Exercise Science (Exercise Science)