

Congratulations to the 13 Chemistry majors who presented posters on their research at the 2006 Denman Undergraduate Research Forum. Chris Gribble was awarded first place among the Mathematical and Physical Sciences participants, and Robert Woodward third place. The Chemistry poster titles, presenters and faculty advisors were:

Allosteric Chirality Transfer throughout a Folded Dendrimer

Presenter: Jessica Biddinger

Advisor: Dr. Jon Parquette

Dye-Sensitized Solar Cells Based on Nanoparticle/Nanowire Composites

Presenter: Elizabeth Toman

Advisor: Dr. Yiying Wu

Enhanced Infrared Absorption of Self-Assembled Mono- and Bilayers on Nickel Mesh
Micro Arrays

Presenter: Martin Sayers

Advisors: Dr. James Coe

Dr. Shannon Kennedy

Evaluation of a New Reagent For Photoaffinity Labeling

Presenter: Meredith Cline

Advisor: Dr. Matthew Platz

Photophysical Analysis of Rotationally Constrained Diphenyl Butadiene Analogues

Presenter: Adam Dunkelberger

Advisors: Dr. Tv Rajanbabu

Dr. Terry Gustafson

Preparation and Physical Property Studies of Novel Nanostructured Conductive Polymers
Using V2O5 Methods

Presenter: Travis Steinke

Advisor: Dr. Arthur Epstein

Protonation and Solvent Effects on a Resorcinarene Based Cavitand

Presenter: Dennis Mayo

Advisor: Dr. Jovica Badjic

Reaction of the Hydroxyl Radical with Benzene Derivatives: A Laser Flash Photolysis
Study in Acetonitrile

Presenter: Hoi Ling Luk

Advisor: Dr. Christopher Hadad

Relevance of Azinomycin "Top-Half" Partial Structure Stereochemistry to Sequence
Selectivity

Presenter: Robert Woodward

Advisor: Dr. Robert Coleman

Substitution Behavior and Electronic Modification of Quadrupty-Bonded Complexes of Molybdenum and Tungsten

Presenter: Chris Gribble

Advisor: Dr. Malcolm Chisholm

Synchronized Dynamic Motions in Dendritic Catalysis: Asymmetric Direct Aldol Reactions

Presenter: Sarah Hyatt

Advisor: Dr. Jon Parquette

The Effect of Localized Perturbations on the Global Conformations of 2-Hydroxy-5-Nitro-Isophthalamide Dendrons

Presenter: Ian Jones

Advisor: Dr. Jon Parquette

Tropospheric Impact of Fatty Acid Monolayers: An Infrared Spectroscopy Study

Presenter: Mohamad Bazerbashi

Advisor: Dr. Heather Allen