



## 2002 Hauber Fellows

A (21, 12) Burst-Error Correcting Code

Hauber Fellow: Naomi Marie Grabus

Faculty Mentor: George Mackiw, Mathematical Sciences

Discrete Dynamical Systems: Linear Algebra and Markov Chains

Hauber Fellow: Hilary DeRemigio

Faculty Mentor: Dipa Choudhury, Mathematical Sciences

Program Slicing and Software Comprehension

Hauber Fellow: Jared Placek

Faculty Mentor: Keith Gallagher, Computer Science

Software Design and Usability Studies for Registration of Remotely Sensed Imagery Involving Parallel Processing and Gradient Descent Techniques

Hauber Fellow: Rachel Knickmeyer

Faculty Mentor: Roger Eastman, Computer Science

Preparations of Cellotriose for Investigation of the Cel5A Enzyme from *Thermobifida Fusca*

Hauber Fellow: Megan Pomianek

Faculty Mentor: Brian Barr, Chemistry

A Site-Directed Mutagenesis of the COE1 ROM Protein: Exploring the Binding of ROM to RNA Loop-Loop Complexes

Hauber Fellow: Tim Chizmar

Faculty Mentor: Danielle Brabazon, Biology

Analysis of RNA-Rom Protein Binding in the COE1 System using Isothermal Titration Calorimetry

Hauber Fellow: Tara C. Blake

Faculty Mentor: Danielle Brabazon, Biology



## What Makes a Good Male: Causes of Variation in *Hylocichla Mustelina* Parental Behavior and Nest Success

Hauber Fellow: Gwenn M. Allen

Faculty Mentor: Kim Derrickson, Biology

## Southern Analysis of Drought Resistance Genes RD17, ERD10, and ERD14 on *Arabidopsis Thaliana* and *Arabidopsis Lyrata*

Hauber Fellow: Christopher R. Edwards

Faculty Mentors: Bernadette Roche, Biology

## Leptin and the Hypothalamus: How One Hormone Talks to the Brain

Hauber Fellow: Kylene Halloran

Faculty Mentors: Don Keefer, Biology

## Isolation of an FtsZ Homologue from the Bacterial Parasite *Bdellovibrio*

Hauber Fellow: April Rose

Faculty Mentors: