



2000 Hauber Fellows

Cloning and Characterization of the nhr-85 Gene in *Caenorhabditis Elegans*

Hauber Fellow: Puneet Gandotra

Faculty Mentor: Kirsten Crossgrove, Biology

Structural analysis of the c-terminal domain of the bacterial cell division protein FtsZ

Hauber Fellow: Nicholas Woodford

Faculty Mentor: Neena Din, Biology

Molecular Biology and Ecology

Hauber Fellow: Anita Coupe

Faculty Mentor: Bernadette Roche, Biology

DNA Hybridization on Electrode Surfaces

Hauber Fellow: Melissa Villanueva

Faculty Mentor: Kimberly Olsen, Chemistry

Synthesis and Characteristics of 4-methyl-7-Thioumbelliferyl B-D-Cellobioside

Hauber Fellow: Ron Holewinski

Faculty Mentor: Brian Barr, Chemistry

Pre-Steady State Hydrolysis of Fluorescent Carbohydrates by *Acidothermus Cellulolyticus* Cellulase E1 cd

Hauber Fellow: Stephen Molinaro

Faculty Mentor: Brian Barr, Chemistry

Synthesis and Characterization of Reactive Organometallic Compounds and Well Plate Analysis

Hauber Fellow: Mike Klein

Faculty Mentor: Timothy J. McNeese, Chemistry



Determining the Structure of the Cytoplasmic Loop Region of Rhodopsin

Hauber Fellow: Leann Massey

Faculty Mentor: Danielle Brabazon, Chemistry

Efficiently Computing Whole Genome Alignments

Hauber Fellow: Adam Phillippy

Faculty Mentor: Arthur Delcher, Computer Science

An Application of Program Slicing to Regression Test Cost Reduction

Hauber Fellow: Lewis R. Raszewski

Faculty Mentor: David Binkley, Computer Science

Using Clustering for Information Retrieval

Hauber Fellow: Leah Postrech

Faculty Mentor: Roberta Sabin, Computer Science

Pricing American Put Option in One Dimension using the Diffusion Equation

Hauber Fellow: Taras Smetaniouk

Faculty Mentor: Lester Coyle, Mathematical Sciences

Pricing American Options using Monte Carlo Simulation

Hauber Fellow: Robert Tamburello

Faculty Mentor: Lester Coyle, Mathematical Sciences

Solving a Combinatorics Problem (Problem 10658 in the American Mathematical Monthly of April 1998)

Hauber Fellow: Gregory Kondilas

Faculty Mentor: Richard McCoart, Mathematical Sciences



Infrared Spectroscopy of Thulium Doped Yttrium Tri-chloride Laser Crystals

Hauber Fellow: Jennifer Crawford

Faculty Mentor: Joseph Ganem, Physics

Computational Physics: From Surface Structure to Surface Waves; Atoms to Oceans

Hauber Fellow: Jennifer Waldt

Faculty Mentors: Greg Derry, Physics and Randall Jones, Physics

Development and testing of a microsphere-based assay for detection of environmental DNA encoding naphthalene dioxygenase

Hauber Fellow: Scott Emrich

Faculty Mentors: Mary Lowe, Physics and Arthur Delcher, Physics