

FUTURE in Biomedicine Research Symposium 2009

Fostering Undergraduate Talent – Uniting Research and Education



Kelch Conference Room
1289 Carver Biomedical Research Building
Roy J. and Lucille A. Carver College of Medicine, University of Iowa
Friday, July 31, 2009

- 1:00 pm Introductory Remarks – Madeline A. Shea, Director
- 1:05 pm **Jodi Enos-Berlage, Luther College, Decorah, IA**
Investigating the Role of Calcium in Bacteria using *Vibrio parahaemolyticus*
Host Laboratory - Professor Linda McCarter
- 1:35 pm **David Speckhard, Loras College, Dubuque, IA**
Exploring the role of Ubiquitin in Cellular Protein Recycling
Host Laboratory - Professor Robert Piper
- 2:05 pm **Shannon Mackey, St. Ambrose University, Davenport, IA**
Back to the FUTURE: Revisiting Gene-silencing Phenomena in *Drosophila*
Host Laboratory – Professor Lori Wallrath
- 2:35 pm Poster Presentations by FUTURE Undergraduate Researchers
- Coe College – Brandon Hoffer** - The Role of MicroRNAs in the Progression of Liver Fibrosis
 - Graceland University – Ryan Sheehy** - The Effects of a Novel Bisphosphonate on Isoprenoid Biosynthesis in Breast Cancer Cells
 - Loras College – Sujan Devbhandari** - Upgrade: Using a Chimeric Protein to Study Ubiquitin Dependent Protein Trafficking
 - Luther College – Aimee Villard** - Investigating Calcium-Regulated Gene Expression in *Vibrio Parahaemolyticus*
 - Northwestern College – Alex Menning** - Detecting RPA Subunit Interactions with DNA Substrates using Fluorescence Resonance Energy Transfer (FRET)
- 3:00 pm **Dan Pratt, Graceland University, Lamoni, IA**
Prenylation Inhibitors
Host Laboratory - Professor Ray Hohl
- 3:30 pm **Karissa Carlson, Northwestern College, Orange City, IA**
Examining RPA Subunit Interactions with DNA
Host Laboratory - Professor Marc Wold
- 4:00 pm **Randy Christensen, Coe College, Cedar Rapids, IA**
Gene Expression in Fibrotic Mouse Liver
Host Laboratory – Assistant Professor Anton McCaffrey
- 4:30 pm **Jerry Honts, Drake University, Des Moines, IA** - Virtual Seminar
Ciliates, Calcium, and the Cytoskeleton: Analysis of Calcium-binding Proteins in *Paramecium* and *Tetrahymena*
Host Laboratory - Professor Madeline Shea

Parking available in the Newton Road Parking Ramp.

Contact Information: Professor Madeline Shea, Director (319-335-7885), Ms. Alicia Kienzle, Coordinator (319) 335-6522

<https://www.healthcare.uiowa.edu/FutureBiomedicine>, <http://news-releases.uiowa.edu/2009/july/072009future-biomedicine.html>