CONGRATULATIONS AND BEST WISHES TO THE 2005 SHOWCASE OF UNDERGRADUATE RESEARCH EXCELLENCE SCHOLARSHIP WINNERS.

ARTS AND HUMANITIES

First Place: “Digital Booktalk”
Matthew L. Walsh, H. Adam Lenz, Justin Pegram, Jonathan Gabriel
Faculty Mentor: Robert Kenny (Film and Digital Media)

Second Place: “Production Requirements: A Costume Plot Database”
Jennifer M. Kracht, Markisha Cobourne, Mike Quinones, Emily Smeraldo
Faculty Mentor: Kristina Tollefson (Theatre)

ENGINEERING, COMPUTER SCIENCE, AND OPTICS

First Place: “Chemical Aspects of Nanofluid Heat Transfer”
Denitsa M. Milanova
Faculty Mentor: Ranganathan Kumar
(Mechanical, Materials, and Aerospace Engineering)

Second Place: “Optoelectronically Automated System for CNT Synthesis via Arc-Discharge in Solution”
Jean-Philippe Louis Perrault
Faculty Mentors: Sudipta Seal and Helge Heinrich
(Mechanical, Materials, and Aerospace Engineering)

LIFE AND HEALTH SCIENCES

First Place: “Reelin Function in Stem Cell Biology”
Justin H. Trotter
Faculty Mentor: Kiminobu Sugaya (Biomedical Sciences)

Second Place: “Isolation of Strict Anaerobes from Marine Sponges”
Seth J. Trifiro, Mary Calos
Faculty Mentor: William T. Self (Molecular Biology and Microbiology)

PHYSICAL SCIENCES AND MATHEMATICS

First Place: “Inverse Scattering and the Inversion of Gamow’s Tunneling Formula”
Sohang C. Gandhi
Faculty Mentor: Costas Efthimiou (Physics)

Second Place: “Anion Exchange Processes in Germanium-Based Bulk Glasses and Thin-Films”
Nathan A. Carlie
Faculty Mentor: Kathleen A. Richardson (Optics and Photonics)

SOCIAL SCIENCES I

First Place: “Staff Perceptions of Resident Autonomy in Assisted Living”
Monica Box, Laura Crowley
Faculty Mentor: Elzbieta Sikorska-Simmons
(Sociology and Anthropology)

Second Place: “The Effects of Household Corrosive Substances on Human Bone and Teeth”
Darcy Cope
Faculty Mentor: Tosha L. Dupras (Sociology and Anthropology)

SOCIAL SCIENCES II

First Place: “Father-Daughter Relationships in Divorced and Non-Divorced Families with Respect to Self-Esteem, Fear of Intimacy, and Views on Relationships”
Heather M. Rozelle
Faculty Mentor: Charles Nagy (Psychology)

Second Place: “Violence in Film: Narrative and Contextual Importance in Subjective Response”
Denise N. Petrunak
Faculty Mentor: Valerie K. Sims (Psychology)