

REWU Project Presentations
September 6, 2001, 11:30 a.m. - 3:00 p.m. 427 ERC Auditorium

11:30-12:00

LIGHT LUNCH

12:00-12:10

WELCOME AND ACKNOWLEDGEMENTS

REBECCA GERMAN

12:10-12:20

INTRODUCTION TO PROGRAM

URMILA GHIA

12:20-3:00

PROJECT PRESENTATIONS

	<u>Student</u>	<u>Major</u>	<u>Advisor</u>	<u>Project</u>
12:20	Debjani Bhattacharyya	Chemistry	Jeffrey Knauf	The Effects of the Oncogene Pet/PTC3 on PKCepsilon in Thyroid Cells
12:30	Erin Bloom	Computer Engineering	Kenneth P. Roenker	The Quest to Design a High Efficiency Solar Cell
12:40	Courtney A. Busemeyer	Mathematics	Steve Pelikan	Saving Bluebirds: A Statistical Analysis of the Variables Correlating to Nesting Activity
12:50	Anees Chowdhery	Computer Engineering	Carla Purdy	Managing Mobile Communications
1:00	Samantha Cronier	Biomedical Engineering	Paul Esposito	Characteristics of Stellar Black Holes
1:10	Jeannette Dehmer	Aerospace Engineering	Karman Ghia/ Ephraim Gutmark	Flow Separation Past a Circular Cylinder: Analysis and Control
1:20	Lisa C. Fay	Geology	Craig Dietsch	Geochemical Analysis and Tectono-Magmatic Discrimination of the Collinsville Formation
1:30	Alison Grimaldi	Chemical Engineering	Arthur Buckley	Prolactin Suppression of Apoptosis in the Immune System
1:40	Cecilia Hennessy	Biology	Jodi Shann	Mobility of Heavy Metals through Contaminated Soils: A Comparative Study
1:50	Shannon Hunt	Biology	Edna Kaneshiro	Sterol Biosynthesis in <i>Pneumocystis Carinii</i>
2:00	Lisa King	Geology	Thomas Lowell	Paleoclimate and Ohio's Glacial Past: Finding High-frequency Climate Signals in Lake Sediments of the Last Glacial Maximum
2:10	Tana Lynn Repella	Biology	Kenneth Skau	Localization and Characterization of Acetylcholinesterase in Caco-2 Cells
2:20	Melissa A. Salpietra	Biology	George Uetz	Eggsac Recognition in Female <i>Schizocosa ocreata</i> Wolf Spiders
2:30	Bethany Subel	Chemical Engineering	Bruce Ault	The Matrix Isolation Study of the Reaction between OVCI 3 and H2O
2:40	Zenobia Tayeb	Biology	Carol Caperelli	Substrate Specificity of Human AICAR Transformylase
2:50	Lauren Towles	Mechanical	Urmila Ghia	Flow Analysis of HALE Aircraft Joined Wing

3:00

CLOSURE

***REWU (RESEARCH EXPERIENCES FOR WOMEN
UNDERGRADUATES) PROGRAM***

Initiated and administered by the WISE Committee, the REWU Program encourages the participation of talented young women in ongoing research. The goal is to expose students to various aspects of scientific research, and to encourage the pursuit of advanced studies in science, mathematics and engineering. This summer, seventeen students worked on research projects in biology, chemistry, engineering, endocrinology, geology, mathematics, physics and pharmacy.

***WISE (WOMEN IN SCIENCE AND ENGINEERING)
COMMITTEE***

Rebecca German, Chair, WISE Committee, (Biological Sciences)
Urmila Ghia, Chair, REWU 2001 Program, (Mechanical, Industrial
and Nuclear Engineering)
Margaret Hanson, (Physics)
Lisa Hogeland, (Center for Women's Studies)
Howard Jackson, (Physics), VP Research and Advanced Studies
Brian Kinkle, (Biological Sciences)
Maita Levine, (Mathematical Sciences)
Joy Moore, (Mathematics; Education)
Carla Purdy, (Electrical and Computer Engineering and Computer Science)
Tara Smith, (Mathematics)
Apryll Stalcup, (Chemistry)



***WOMEN IN SCIENCE AND ENGINEERING (WISE)
at the
UNIVERSITY OF CINCINNATI***

presents

***FINAL PRESENTATIONS OF
REWU SUMMER-2001 PROJECTS***

***RESEARCH EXPERIENCES FOR
WOMEN UNDERGRADUATES (REWU)***

***September 6, 2001
11:30 AM - 3:00 PM***

Room 427 ERC