



Sigma Xi The Scientific Research Society
California State University, Northridge
SIGMA XI STUDENT RESEARCH COMPETITION
SPRING 2000

GRADUATE STUDENT TALKS
FINAL SCHEDULE

Thursday, April 27, Science 1, 2nd Floor, Room 1219 - Refreshments will be served!

1:00 pm			OPENING REMARKS
1:15 pm	Ferdinand Villena	Chemistry [Dr. Gagik Melikyan]	Stereoselective dimerization of cobalt-complexed propargyl cations mediated by DNA mimics.
1:30 pm	Helen Olmsted	Chemistry [Dr. Sandra Jewett]	Azide and Nitrite protection of CuZnSOD from oxidation by H ₂ O ₂ .
1:45 pm	Patrick Collins	Physics [Dr. Duane Doty]	Backscatter of gamma-rays.
2:00 - 2:15			BREAK
2:15 pm	Ann Davis	Mathematics [Dr. Michael Neubauer]	Potential minimizing configurations of points on a sphere.
2:30 pm	Kirsti Webb	Physics [Dr. Duane Doty]	Nuclear decay and natural background radiation.
2:45 pm	Proma Phengsy	Chemistry [Dr. Eric Kelson]	Kinetic investigation of an unusual alcohol oxidation catalyzed by a terpyridyl ruthenium complex.
3:00 pm	Toby Smith	Kinesiology [Dr. Ben Yaspelkis]	Leptin administration improves whole body glucose tolerance in a diet-induced insulin-resistant rodent model.
3:15 pm	Maziyar Saberi	Kinesiology [Dr. Ben Yaspelkis]	Skeletal muscle insulin-resistance is improved by leptin administration.
3:30 - 3:45			BREAK
3:45 pm	Rebecca Habeeb	Biology [Dr. Peter Edmunds]	Do reef corals acclimate to change in temperature?
4:00 pm (EMERGENCY CANCELLATION)	Saima Zubair	Biology [Dr. Stan Metzenberg]	Identification and characterization of small peptides as potential inhibitors of HIV infection.
4:15 pm	Chad Barber	Biology [Dr. Edward Carroll]	Identification, characterization, and sequence determination of seminal fluid glycoproteins in the anuran <i>Lepidobatrachus laevis</i> .
4:30 pm	Troy Phipps	Biology [Dr. Aida Metzenberg]	Subcellular localization of Barth proteins