

Natural Sciences
Summer 2016
Undergraduate Research Program
Mentor Informational Research Talks

Tuesday, 16 February 2016

3:00–5:05 PM

RCTR 103, Leraas Lecture Hall

Attend all, or some, of the research talks.

Contact several mentors before selecting your 1st and 2nd mentor choices.

NSSURP Web site <http://www.plu.edu/nsci/undergraduate-research-program/>

Student-Researcher Application Google Form available after 8:00 AM, *Wednesday*, 17 February 2016.

Submit your completed Google Form application before 5:00 PM, *Friday*, 26 February 2016.

3:00 - 3:05	PM	Division of Natural Sciences	Dr Matthew J. Smith <i>Division Dean and Program Director</i>	Introduction to PLU's <i>Natural Sciences Summer 2016 Undergraduate Research Program (NSSURP)</i>
Begin	End	DEPT	MENTOR	RESEARCH TITLE
3:05 - 3:20	PM	Physics	Dr Katrina M. Hay & Dr Sean M. O'Neill	Observational Astronomy Research at PLU's Keck Observatory
3:20 - 3:35	PM	Biology	Dr Rosemarie C. Haberle	Phylogeography of Pacific Northwest Bluebells (<i>Campanula: Campanulaceae</i>) and phylogenomics of North American <i>Campanulaceae</i>
3:35 - 3:50	PM	Biology	Dr Shannon B. Seidel	Developing Tools to Measure What Teachers Do: Quantitative Assessment of Active Learning Using the Decibel Analysis Research Tool (DART)
3:50 - 4:05	PM	Geosciences	Dr Alex R. Lechler	Clumped isotope record of last glacial period paleoclimate across the Pacific Northwest United States
4:05 - 4:20	PM	Chemistry	Dr Dean A. Waldow	Ring Opening Metathesis Polymerization and Characterization of Oxanorbornene Polymers Towards Improved Energy Related Battery and Fuel Cell Electrolyte Membranes
4:20 - 4:35	PM	Chemistry	Dr Andrea M. Munro	Synthesizing Nanoparticles to Optimize Luminescent Solar Concentrator Photocatalysis
4:35 - 4:50	PM	Chemistry	Dr Jon O. Freeman	Development of a fluorescent screen to detect botryococcene production in an <i>E. coli</i> host
4:50 - 5:05	PM	Chemistry	Dr Neal A. Yakelis	Controlled release of pharmaceuticals via the retro-Diels-Alder reactions of drug-polymer conjugates
video @ Web site		Chemistry	Dr Justin C. Lytle	Studying the rate of redox reactions on battery electrodes
		Chemistry	Dr Eric E. Finney	Activation and Incorporation of Carbon Dioxide into Organic Molecules
		Chemistry	Dr Adam C. Glass	Highly Functionalized Benzofulvenes: Targeting Thioredoxin Reductase via Small Molecule Drug Development.