

FACULTY RESEARCH INTERESTS

David Brook, Ph.D., Professor: Organic & Inorganic Chemistry.

Synthesis and coordination chemistry of stable free radicals, magnetochemistry, self assembly supramolecular chemistry and molecular devices.

Office: SCI 166; Phone: 408-924-4994; Email: david.brook@sjsu.edu

Research Group Website: <http://www.sjsu.edu/brook/>

Lionel Cheruzel, Ph.D., Professor: Inorganic & Bio-inorganic Chemistry.

Development of hybrid P450 enzymes, photocatalytic chemistry and development of microspherical polymers.

Office: DH 286; Phone: 408-924-5283; Email: lionel.cheruzel@sjsu.edu

Research Group Website: <http://www.sjsu.edu/cheruzel/>

Philip Dirlam, Ph.D., Assistant Professor: Physical, Analytical and Organic Chemistry

Polymer synthesis and the development of new battery technology using electrochemically active polymers.

Office: DH 516; Phone: 408-924-4998; Email: philip.dirlam@sjsu.edu

Daryl Eggers, Ph.D., Professor: Biochemistry & Biophysical Chemistry.

Effects of crowding and solvation on protein folding, CD spectroscopy, biocalorimetry and microscale thermophoresis.

Office: DH 604; Phone: 408-924-4960; Email: daryl.eggers@sjsu.edu

Research Group Website: <http://www.sjsu.edu/eggers/>

Nicholas Esker, Ph.D., Assistant Professor: Radio Chemistry

Nuclear reactions and structure, heavy element synthesis, thin film production / characterization, radiochemistry, nuclear astrophysics.

Office: DH 501; Phone: 408-924-4950; Email: nicholas.esker@sjsu.edu

Gianmarc Grazioli, Ph.D., Assistant Professor: Computational, Physical, & Biophysical Chemistry

Computational methods development using molecular simulations and machine learning to study configurational dynamics in biomolecules, molecular self-assembly, and reaction dynamics.

Office: DH 005B; Phone: 408-924-4826; Email: gianmarc.grazioli@sjsu.edu

Research Group Webpage: <https://www.sjsu.edu/people/gianmarc.grazioli/>

Resa Kelly, Ph.D., Professor: Chemical Education

How students learn and modify their understanding of chemistry concepts and mechanisms after viewing and reflecting on molecular visualizations.

Office: DH 418; Phone 408-924-4940; Email: resa.kelly@sjsu.edu

Research Group Webpage: <http://www.sjsu.edu/people/resa.kelly/>

Brooke Lustig, Ph.D., Adjunct Professor: Biophysical Chemistry.

Computation and theoretical methods to characterize entropy and related effects in proteins and RNA, design of potential anti-HIV agents.

Office: DH 417; Phone: 408-924-4968; Email: brooke.lustig@sjsu.edu

FACULTY RESEARCH INTERESTS

Laura Miller Conrad, Ph.D., Associate Professor: Chemical Biology, Organic Chemistry & Biochemistry
Development of small molecule antibacterial treatments, study of quorum sensing and signaling.
Office: DH 608; Phone: 408-924-4957; Email: laura.miller.conrad@sjsu.edu
Research Group Website: <http://www.sjsu.edu/miller/>

Gilles Muller, Ph.D., Professor: Inorganic Chemistry & Chemical Biology.
Lanthanides, complexes, circularly polarized luminescence, chirality, thermodynamics and spectroscopy.
Office: DH412A; Phone: 408-924-2632; Email: gilles.muller@sjsu.edu
Research Group Website: <http://www.sjsu.edu/people/gilles.muller/>

Roy Okuda, Ph.D., Professor: Organic & Bio-organic Chemistry.
Biologically active natural products from California native plants.
Office: DH 009A; Phone: 408-924-2525; Email: roy.okuda@sjsu.edu

Madalyn Radlauer, Ph.D., Assistant Professor: Inorganic, Synthetic, and Analytical Chemistry
Design, synthesis, and testing of catalysts which incorporate organic polymers along with transition metal complexes.
Office: DH 517; Phone: 408-924-5482; Email: madalyn.radlauer@sjsu.edu
Research Group Webpage: <http://www.sjsu.edu/radlauer/>

Alberto A. Rascón, Jr., Ph.D. Associate Professor: Biochemistry & Molecular Biology.
Expression, characterization, and inhibition of mosquito proteases.
Office: DH 612; Phone: 408-924-4969; Email: alberto.rascon@sjsu.edu

Roger Terrill, Ph.D., Associate Professor: Analytical Chemistry.
Surface, interfacial, and thin film chemistry.
Office: DH 004B; Phone: 408-924-4970; Email: roger.terrill@sjsu.edu
Research Group Webpage: <http://www.chemistry.sjsu.edu/rterrill/>

Annalise Van Wyngarden, Ph.D., Associate Professor: Physical Chemistry.
Formation and optical properties of organic coatings on atmospheric aerosols, chemical transformations and photochemistry in aerosols.
Office: DH 002; Phone: 408-924-5282; Email: annalise.vanwyngarden@sjsu.edu

Ningkun Wang, Ph.D., Assistant Professor: Biochemistry
Protein structure, protein-protein interactions and allosteric regulation of enzyme activity.
Office: DH 607; Phone: 408-924-4955; Email: ningkun.wang@sjsu.edu
Research Group Webpage: <http://www.sjsu.edu/wang/>

Abraham Wolcott, Ph.D., Assistant Professor: Physical Chemistry
Study of the surface structure of bulk and nanoscale materials for biosensing and energy applications.
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Research Group Website: <http://www.sjsu.edu/wolcott/>