

Student	Advisor	Proposal Title
Amy Moffat	Nella Van Dyke	The Labor of Labour Support: Professionalization of Doulas
Andrea Rodarte	Sayantani Ghosh	Liquid Crystal Induced Polarization Modification of Quantum Dot Emission
Andres Martinez	Andres Aguilar	Genomic approaches to identify chromosomal regions under selection in multiple Sebastes species
Ankur U. Kamthe	Alberto Eduardo Cerpa	Data-Driven Modeling for Wireless Networks
Bradford D. Johnston	Sean Malloy	Ronald Reagan's Miracle Weapon: Technological Evangelism, SDI, and Reykjavik
Bryan E. Kerster	Chris Kello	Examining spike timing dependent plasticity in reservoir computing
Carlos Bazua	Linda Anne Rebhun	Extending the roads for survival: The ongoing Maya Diaspora
Chih-Yuan Yang	Ming-Hsuan Yang	Super-Resolution via Anisotropic Upsampling and Self-Examples
Chi-Shuo Chen	Wei-Chun Chin	Tunable scaffolds based on the surface topography modulation for human neuronal stem cell therapy
Cory Cain	Jennifer Manalay	B Cell Development is Inhibited in the Absence of Sclerostin in the Bone
Emily C. Wilson	Carolyn Frank	Bacterial endophyte diversity in the lodgepole pine
Eric Josephs	Tao Ye	A versatile, single-molecule 'nano lab bench' to probe forces between individual biomolecules and surfaces
Eric Y. Chen	Wei-Chun Chin	Titanium dioxide nanoparticles (TiO ₂ NPs) directly trigger histamine secretion from mast cells via a Ca ²⁺ -mediated pathway.
Eva Cadez	Evan Heit	A Dynamical Model of Memory
Fabrizio Galeazzi	Mark Aldenderfer	New Methodologies for 3D Documentation and Preservation in Archaeology
Gloria Nguyen	Gabriela G. Loots	Exploring Prostate Cancer Metastasis to Bone through Systematic Gene Silencing
Gorkem Erinc	Stefano Carpin	On the Way to Robot Inhabitants: A New Approach for Robotic Perception and World Representation
Henry Pai	Thomas C. Harmon,	Observing and predicting freshwater eutrophication-algal bloom dynamics using hyperspectral imaging

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Holly F. Swift	Michael Dawson	Evolution of Feeding Niches
Jason Baumsteiger	Andres Aguilar	Population Genetic Structure within Three California Freshwater Species of Sculpin, Prickly Cottus asper, Riffle C. gulosus, and Pit C.pitensis.
Jimei Yang	Ming-Hsuan Yang	Learning Top-Down Visual Saliency
Jingru Shao	Tao Ye	Novel Nanomotor System via Biased Diffusion on a Dynamic Surface
Jonathan Boiser	Arnold Kim	Hybrid Asymptotic-Numerical Methods for the Simulation of Surface Plasmon Polaritons
Jose Pablo Vazquez-Medina	Rudy Ortiz	The antioxidant system of the elephant seal after their first trip to sea
Justin L. Matthews	Teenie Matlock	Research on social distance in interactive virtual environments
Katherine C.H. Amrine	David Ardel	Estimating Phylogeny with tRNA Identity Elements
Kristi Imberi-Olivares	Rose Scott	The process of scaffolding in conversation: Who does is best?
Lauren Schiebelhut	Michael Dawson	The role of long-distance dispersal via rafting in establishing phylogeographic patterns in populations of marine invertebrates
Liza Gomez Daglio	Michael Dawson	Hidden biodiversity in the Tropical Eastern Pacific
Luke Reed	Erik Menke	Rechargeable Aluminum Batteries: A Green Energy Projec
Marco Valesi	Ignacio López-Calvo,	Exploring cultural productions, transmissions and socio-identitarian processes through urban arts
María Teresa Rinaldi	Ignacio López-Calvo	The Nikkei in Brazilian and Argentinean Literature and Film: Nation, Identity, and Cultural Performance
Martyna Citkowicz	Jack Vevea	A Parsimonious Weight Function for Modeling Publication Bias
Micheal Eissinger	Robin Delugan	Fairmead History Project
Nitesh Kumar	Harish S. Bhat	Options Pricing: Markov tree model and its relation with other continuous stochastic delay differential equation models.
Roger Tseng	Andy LiWang	Elucidating Biological Timekeeping Mechanism in Cyanobacterial Circadian Clock Pro-teins.

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Samuel Negusse Araya	Asmeret Asefaw Berhe	The effect of fire on soil aggregation and physical stability of soil organic matter
Sarah S. Abboud	Michael Dawson	Consequences of water quality on jellyfish of the Puget Sound
Shuo Chen	Meng-Lin Tsao,	Adding new chemistry to proteins via genetic incorporation of a 2-naphthol bearing unnatural amino acid
Somnath Ghosh	Erik Menke	Au/CIS/CdS Coaxial Heterojunction Nanowire based Solar Cells Fabricated Using LPNE Method: Photovoltaic Characteristics and Promising Applications for Energy
Stephanie Huetter	Michael Spivey	Mechanisms of human language processing: Linguistic aspect and negation
Tanuja Harshani Peiris	Néstor J Oviedo	Regeneration and Stem cell Regulation in the Absence of AKT in <i>Schmidtea mediterranea</i>
Varick L. Erickson	Alberto Eduardo Cerpa	Occupancy Based Heating, Air-conditioning, and Ventilation System
Wenkai Li	Qinghua Guo	Exploring the Potential of Airborne Lidar in Forest Science - Algorithm Development and Evaluation.
William B. St. Clair	David C. Noelle	Polychronous Neuronal Groups and Dorsolateral Prefrontal Cortex
Xianyu Yang	Elliott Campbell	Corn yield forecasting in Midwestern United States
Yazhou Huang	Marcelo Kallmann	Gesture Modeling and Parameterization for Autonomous Virtual Trainers
Yiyang Wang	Meng-Lin Tsao	Expanding the Genetic Code: Reassign AGG Codon to Encode for Unnatural Amino Acids
Zhe Hu	Ming-Hsuan Yang	Non-Blind Image Deblurring by High-Order MRF Model