



UC Nexus of Training (NEXT) Seminars

This UC-Systemwide seminar hosted jointly by UCSB's Biological Engineering and the UC Bioengineering Institute of California features research talks by rising PhD students and postdocs in Bioengineering. Join us **April 5th** for an expert panel and learn about the President's Postdoctoral Fellowship Program (PPFP), how to find a mentor and apply. Join research talks **April 12-May 17** to hear from next-generation research leaders.

Tuesdays @ 9am from April 5th – May 17

<https://ucsb.zoom.us/j/85296259808>

Zoom Meeting ID: 852 9625 9808, Passcode: gaucho

Apr 5	Applying for the PPFP: Mark Lawson (UCSD), Ines Castillo (UCSB), Javier Read De Alaniz (UCSB), Beth Pruitt (UCSB)
Apr 12	April Aralar <i>Improvements in the Quantitative Power of Digital PCR for Microbial DNA Detection in Complex Human Samples</i> Kevin Burt <i>Biological drivers of intervertebral disc degeneration and the influence of the innate immune system</i>
Apr 19	Louise Hanson <i>High-specificity quantification of cytoskeletal machinery and structural proteins with microscale electrophoretic cytometry</i> Kerry Lane <i>Engineered Platforms to Investigate Effects of Cell-Cell and 3D Adhesions on hiPSC-CM Maturity</i>
Apr 26	Molly Mollica <i>Force Generation and Cytoskeletal Structure of Single Platelets</i> Courtnie Paschall <i>Virtual Reality for BCI Research with Intracranial Electrodes: Virtual Mind Over Matter</i>
May 3	Danyal Siddiqui <i>Elucidating the Ecology of the Oral Microbiome towards Treatment of Periodontal and Peri-implant Diseases</i> Vanessa F. C. Dartora <i>Development and evaluation of bioadhesive nanocarriers as a platform for localization of chemotherapeutic agents in the breast for tumor treatment</i>
May 10	Josh Karam <i>The Angiogenic Role of Hyaluronic Acid Molecular Weight in Biomaterials for Spinal Cord Repair</i> Fatemeh Hadi <i>α-Synuclein Abnormalities Trigger Focal Tau Pathology, Spreading to Various Brain Areas in Parkinson's Disease</i>
May 17	Erica Castillo <i>Engineering the hiPSC-CM Microenvironment for cell-ECM Mechanobiology Studies</i> Kolade Adebawale <i>Enhanced substrate stress relaxation promotes filopodia-mediated cell migration</i>

UC Next Seminars will be hosted via Zoom. Zoom will open after the host has joined at the start of each seminar. Q&A at the end of the seminar will be moderated through the chat forum or by raising your "hand".