



iJOBS Workshop: Applying to faculty jobs at R1 universities (panel 2)

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10:00 AM



Aaron Milstein, PhD

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Aaron Milstein is an Assistant Professor in the Dept. of Neuroscience and Cell Biology at Robert Wood Johnson Medical School, and a resident faculty member at the Center for Advanced Biotechnology and Medicine. As a graduate student with Roger Nicoll at UCSF, he integrated molecular biology and electrophysiology techniques with mathematical modeling to study synaptic transmission in the hippocampus, a brain region required for spatial and episodic memory. During postdocs with Jeff Magee and Sandro Romani at HHMI Janelia, and Ivan Soltesz at Stanford, he combined direct intracellular recordings from neuronal dendrites with biophysically detailed computational modeling to study how the integrative properties of neurons with extended dendrites contribute to the spatial memory function of the hippocampus. His lab at Rutgers now combines experimental and computational techniques to understand how the organization of neural circuits in the mammalian brain enable rapid plasticity and learning.



Alexander Valvezan, PhD

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Alexander Valvezan is an Assistant Professor of Pharmacology at the Rutgers Robert Wood Johnson Medical School, and Resident Faculty Member in the Center for Advanced Biotechnology and Medicine. Dr. Valvezan completed his PhD at the University of Pennsylvania in the laboratory of Dr. Peter Klein, studying the Wnt signaling pathway in embryonic development and cancer. He then joined the laboratory of Dr. Brendan Manning at Harvard University as a postdoctoral fellow, studying tumor metabolism and the mTOR signaling and metabolic network. Dr. Valvezan's current research interests focus on understanding how signaling pathways coordinate metabolic networks to promote cell growth, with emphasis on the impact of common oncogenic mutations, and the goal of exploiting unique tumor dependencies for therapeutic benefit.



Ian Antón Oldenburg, PhD

Assistant Professor

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Ian is an Assistant Professor of Neuroscience and Cell Biology at the RWJMS and a Resident Faculty at the Center for Advanced Biotechnology and Medicine. He got his PhD in Neuroscience from Harvard University studying the Basal Ganglia, and did postdoctoral work at UC Berkeley developing new optical approaches to manipulate neural activity with high precision. He opened his lab in May of 2022 and uses these optical approaches to study how neural activity gives rise to specific actions, recreating natural patterns of neural activity to understand their causal effects on movements.



Devanshi Jain, PhD

Assistant Professor

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Devanshi Jain recently joined Rutgers University as an Assistant Professor in the Department of Genetics where she runs a research laboratory. The goal of the research in her lab is to understand how meiosis is regulated. The Jain lab studies meiosis in mouse, using genetic, molecular, genomic and cytological approaches. The current focus of the Jain lab is on mechanisms that regulate meiotic chromosome behaviors and gene expression in the germline.

Prior to her current position, Devanshi Jain was a postdoctoral fellow working with Dr. Scott Keeney at Memorial Sloan Kettering Cancer Center, where her work was recognized by several awards including the Human Frontier Science Program Postdoctoral Fellowship, the Leukemia & Lymphoma Society Fellow Award and the Sloan Kettering Postdoctoral Research Award. Devanshi received her Ph.D. in Dr. Julie Cooper's laboratory at the London Research Institute, Cancer Research UK, where she was awarded the national Pontecorvo Prize and the Cancer Research UK Prize Research Fellowship in recognition of her contributions to biomedical sciences.