

Non-Clinical Mentors	Area of Interest	Opportunity for Trainee
Bassett, Danielle S, PhD	Network neuroscience	Complex Systems Group
Cohen, Akiva S, PhD	Traumatic brain injury	Cohen Laboratory
Cohen, Yale, PhD	Neural bases underlying auditory cognition in perception	The Hearing Sciences Center
Contreras, Diego, MD, PhD	Representation of information in corticothalamic networks, epilepsy	Contreras Lab
Cullen, Daniel Kacy, PhD	Neural tissue engineering, neurotrauma, biohybrid neuroprosthetic interfaces	Cullen Lab
Davatzikos, Christos, PhD	Medical image analysis	Center for Biomedical Image Computing and Analytics
Dinges, David F, PhD	Sleep and chronobiology	Center for Sleep and Respiratory Neurobiology
Gee, James C, PhD	Computational image analysis	Penn Image Computing and Science Lab
Gold, Joshua, PhD	Computational and systems neuroscience, decision-making, learning	Gold Lab
Issadore, David, PhD	Point of care diagnostics, microfluidic devices	Issadore Lab
Ives, Zachary, PhD	Web-scale data management, integration, and processing	Ives
Johnson, Michelle, PhD	Robotics	Rehabilitation Robotics Lab at Penn
Kagan, Cherie, PhD	Nanoelectronics	Cherie R Kagan Research Group
Kahana, Michael J, PhD	Memory - computational neuroscience, cognitive neuroscience	Computational Memory Lab
Kuchenbecker, Katherine J, PhD	Haptic interfaces	Haptics Group
Lee, Insup, PhD	Software controls	PRECISE Center
Lee, Daniel, PhD	Robotics	GRASP Lab
Margulies, Susan, PhD	Biomechanics of head injury in infants and toddlers, and in ventilator-associated lung injuries in adults	Injury Biomechanics Lab
Meaney, David, PhD	Molecular neuroengineering	Molecular neuroengineering
Phillips-Cremins, Jennifer E, PhD	3-D Epigenomics and systems neurobiology	Cremins Lab
Smith, Douglas, MD	The effects of mechanical stretch of axons that results in either damage or growth	Smith Neurotrauma Lab
Tsourkas, Andrew, PhD	Molecular Imaging and Targeted Therapeutics	Tsourkas Lab
Van der Spiegel, Jan, PhD	Microelectronics, Sensor technologies	Center for Sensor Technologies
Winkelstein, Beth, PhD	Mechanotransduction of pain, mechanisms of acute to chronic pain transitions	Spine Pain Research Lab
Wagenaar, Joost, PhD	Big neural data, cloud computing, diagnostics, therapeutics, real time processing	Wagenaar