ontrol systems iomechanics



RESEARCH LABORATORIES

LABORATORY **PROFESSOR** RESEARCH

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Gan Laboratory	Dr. Yu Gan		Machine and deep learning for biomedical image analysis									
Laboratory of Opthalmic Research Development (LORD)	Dr. Jennifer Kang- Mieler	9	Imaging, hemodynamics, electrophysiology and drug delivery for retinal diseases									
Translational Lung Bioengineering Laboratory	Dr. Jinho Kim	3	Tissue engineering for repairing diseased or damaged lung tissue									
Speckle Imaging Lab	Dr. Simon Mahler		Optical laser imaging for monitoring blood flow dynamics in the brain and other tissues.									
MOvement COntrol REhabilitation Laboratory (MOCORE)	Dr. Raviraj Nataraj		Control systems for user integration with rehabilitative movement devices									
Lung Microscopic Mechanics Laboratory	Dr. Carrie E. Perlman	E .	Surface-tension-reducing therapeutic for ventilation injury in acute lung disease									
Biomineralization and Biospectroscopy Lab	Dr. William Querido		Infrared spectral imaging for elucidating bone health									
InBrain Electonics Laboratory	Dr. Ilke Uguz		Neural implants for brain-machine interfaces and neurodegenerative diseases									
Tissue Reconstruction Laboratory	Dr. Hongjun Wang		Tissue engineering, including 3D printing of bioscaffolds, and regenerative medicine									
Wang Laboratory	Dr. Shang Wang		Optical bioimaging for understanding mammalian reproduction and development									
Yu Laboratory	Dr. Xiaojun Yu		Polymeric biomaterials for tissue engineering and drug delivery									
Musculoskeletal Control and Dynamics Laboratory	Dr. Antonia Zaferiou	7	Biomechanics of mobility and agility for design of human-centered movement training									