

List of Project Personnel

Name	Role	Institution	Department	Relevant Field(s) of Expertise
X. Edward Guo	Lead PI, Center Director, Healthy Aging Lead Co-Lead	CU	Biomedical Engineering	Musculoskeletal Mechanobiology
Lance Kam	Co-PI, Deputy Director, Mechanomics Lead	CU	Biomedical Engineering	Immune Engineering, Microfabrication
Kristin Myers	Co-PI, Deputy Director, Preterm Birth Co-Lead	CU	Mechanical Engineering	Mechanics of Soft Tissues, Preterm Birth, Hydrated Biomaterials
Steven Abramowitch	Co-PI, Pelvic Floor Disorders Lead, Multiscale Biomech. Computation & Imaging Co-Lead, Multiscale Modeling Theory Co-Lead	Pitt	Bioengineering	Computational Modeling of Pelvic Floor, Soft Tissue Characterization, Vaginal Mesh Design
Michelle Oyen	Co-PI, Experimental Cellular & Tissue Mechanics Co-Lead, Engineering Workforce Development Co-Director, Preterm Birth Co-Lead	WashU	Biomedical Engineering	Material Science, Mechanobiology of Implantation, Fetal Membrane Mechanics
Wendy Liu	Director of Integration, Tissue & Organ Mechanobiology Lead	UCI	Biomedical Engineering, Chemical & Biomolecular Engineering	Materials & Microfabrication, Regulating Cell Behavior, Multicellular Behavior, Cardiovasculature
Naomi Chesler	Diversity & Culture of Inclusion Co-Director, Healthy Aging Testbed Co-Lead	UCI	Biomedical Engineering	Cardiovascular Mechanobiology & Biomechanics, Engineering Education, Diversity, Equity & Inclusion in STEM
Tim Downing	Engineering Workforce Development Co-Director	UCI	Biomedical Engineering	Tissue Engineering, Regenerative Biology, Mechanobiology
Valerie Purdie-Greenaway	Diversity & Culture of Inclusion Co-Director	CU	Psychology	Intergroup Relations
Gerard Ateshian	Experimental Cellular and Tissue Mechanics Co-Lead	CU	Mechanical Engineering, Biomedical Engineering	Soft Tissue Mechanics
Helen Lu	MechanoOrgans Lead	CU	Biomedical Engineering	Biomaterials and Tissue Engineering
Spandan Maiti	Multiscale Biomech. Computation & Imaging Co-Lead, Multiscale Modeling Theory Co-Lead	Pitt	Biomedical Engineering, Mechanical Engineering & Materials Science	Computational Mechanics
Itzik Pe'er	Big Data & Bioinformatics Lead	CU	Computer Science	Computational Methods in Germline Human Genetics
Harry West	Innovation Ecosystem Director	CU	Mechanical Engineering, Industrial Engineering and Operations Research	Product Design Methodology, Service and Experience Design
Arnold Advincula	Senior Personnel	CU	OB/GYN	Gynecologic Health & Procedures
Elham Azizi	Senior Personnel	CU	Biomedical Engineering	Machine Learning, Genomics, Tumor Cell Composition
Natalie Bello	Senior Personnel	CU	Cardiology	Preeclampsia, Cardiac Health
Christine Hendon	Senior Personnel	CU	Electrical Engineering	Imaging, Cardiac Electrophysiology
Elisa Konofagou	Senior Personnel	CU	Biomedical Engineering, Radiology	Ultrasound Imaging, Elasticity Imaging, Soft Tissue Biomechanics
Kam Leong	Senior Personnel	CU	Biomedical Engineering	Advanced Tissue Biofabrication
Pamela Moalli	Senior Personnel	Pitt	OB/GYN, Bioengineering	Uro/Gyn, Vaginal Mesh Expert, Female Pelvic Floor Health
Gordana Vunjak-Novakovic	Senior Personnel	CU	Biomedical Engineering, Medicine, Dental Medicine	Regenerative Medicine, Tissue Engineering, Organs on a chip
Ronald Wapner	Senior Personnel	CU	OB/GYN	Fetal Genetic Testing
Tamer Ibrahim	Senior Personnel	Pitt	Bioengineering, Radiology, and Psychiatry	MRI Imaging
Katrina Knight	Senior Personnel	Pitt	Bioengineering	Computational Modeling of Pelvic Floor, Soft Tissue Characterization, Vaginal Mesh Design
Christine King	Senior Personnel	UCI	Biomedical Engineering	Engineering Education, Health Systems
Joshua Mauney	Senior Personnel	UCI	Urology	Tissue Engineering, Medical Device Testing
Philip Bayly	Senior Personnel	WashU	Mechanical Engineering, Biomedical Engineering	Cell and Tissue Biomechanics, Computational Modeling of Pelvic Floor
Spencer Lake	Senior Personnel	WashU	Mechanical Engineering, Materials Science	Soft Tissue Mechanics
Jerry Lowder	Senior Personnel	WashU	OB/GYN	Pelvic Floor Clinical Intervention
Christine O'Brien	Senior Personnel	WashU	Radiology	Raman Spectroscopy, Maternal Hemorrhage, Wearable Devices
Joy-Sarah Vink	CU	OB/GYN	Preterm Birth Prevention	
Yong Wang	Senior Personnel	WashU	OB/GYN, Radiology, Biomedical Engineering	Uterine Functional Imaging, Electrophysiology

CONSULTANTS	INSTITUTION	DEPARTMENT	Relevant Field(s) of Expertise
Ellen Casey	HSS/Comell	Special Surgery	Women's Sports Medicine
Sherry Liu	U Penn	Orthopaedic Surgery	Mechanical Regulation of Musculoskeletal Tissue Health
Katie Reuther	U Penn	Biomedical Engineering	Development & Translation of Early-Stage Medical Tech., Biomedical Tech. Accelerator
Aaron Kyle	Duke	Biomedical Engineering	Engineering Education, STEM Outreach, Medical Device Design Biomedical Instrumentation and Signal Processing
Sue Giancola	UD	Lead Evaluator	Policy Research, Evaluation Measurement