RISING STARS OF REGENERATIVE ENGINEERING:
THE DYNAMIC OF STUDENTS AND RESEARCH MENTORS

A Webinar Series from the University of Connecticut Convergence Institute for Translation in Regenerative Engineering

HOSTED AND MODERATED BY
DR. GUALBERTO RUAÑO
DIRECTOR OF SPECIAL PROJECTS
AT THE CONNECTICUT CONVERGENCE INSTITUTE

Beyond the science, the webinars will address the social and psychological dimensions of research training. What is the ideal environment to train young scientists? What are the social and cultural barriers? How does the young scholar mesh into the fabric of the organization? In all, attendees to the webinars will appreciate contemporary science in regeneration and the dynamics of transferring that science to the next generation in the workforce enterprise.

The Connecticut Convergence Institute, in partnership with the Advanced Regenerative Manufacturing Institute (ARMI), is producing this webinar series. The webinars will inform participants and the audience on the perspective of young scientists in training conducting research in regenerative engineering supplemented by the interaction with their research mentors. Borne from the institutional experience at the Connecticut Convergence Institute's signature T32 Doctoral and Young Innovative Investigator Programs as well as UConn's graduate training, four Webinars will be held.

UCONN HEALTH

CONNECTICUT CONVERGENCE INSTITUTE FOR TRANSLATION IN REGENERATIVE ENGINEERING

NANOENGINEERED MYOGENIC SCAFFOLDS FOR SKELETAL MUSCLE TISSUE ENGINEERING

TUESDAY, APRIL 5 | 11 AM EST

Trainee: Jacob Quint
Mentor: Ali Tamayol, Ph.D.
Associate Professor
Department of Biomedical Engineering
University of Connecticut

SEQUENTIAL DELIVERY OF FIBROBLAST GROWTH FACTOR 2 (FGF2) AND ABALOPARATIDE FROM A LOADED FIBRIN SCAFFOLD EMBEDDED WITH LOADED POLY(LACTIC-CO-GLYCOLIC ACID) (PLGA) MICROPARTICLES

TUESDAY, APRIL 12 | 12 PM EST

Trainee: Kai Clarke
Mentor: Lakshmi S. Nair, Ph.D.
Associate Professor
Department of Orthopedic Surgery
Associate Director, Connecticut Convergence Institute for Translation in Regenerative Engineering
University of Connecticut

EVALUATING THE MECHANISMS OF UNDERLYING ABERRANT BONE REGULATION DUE TO GNAS HETEROZYGOUS INACTIVATION USING A MOUSE MODEL OF ALBRIGHT HEREDITARY OSTEODYSTROPHY

TUESDAY, APRIL 19 | 12 PM EST

Trainee: Patrick J. McMullan
Mentor: Emily Germain-Lee, M.D.
Professor of Pediatrics, School of Medicine
Chief, Division of Pediatric Endocrinology
Professor of Reconstructive Sciences, School of Dental Medicine
Center for Regenerative Medicine & Skeletal Development
University of Connecticut and Connecticut Children's

EXERCISE-INDUCED PIEZOELECTRIC STIMULATION FOR CARTILAGE REGENERATION

TUESDAY, APRIL 26 | 12 PM EST

Trainee: Godwin Dzidotor
Mentor: Than Nguyen, Ph.D.
Assistant Professor
Mechanical Engineering, Institute of Materials Science
University of Connecticut