RISING STARS
of Regenerative Engineering

THE DYNAMIC OF STUDENTS AND RESEARCH PRECEPTORS

A Webinar Series from The Cato T. Laurencin Institute for Regenerative Engineering at the University of Connecticut

Hosted and Moderated by Dr. Gualberto Ruaño
Assistant Director for Special Projects,
The Cato T. Laurencin Institute for Regenerative Engineering

Beyond the science, the webinars will address the personal dimensions of research training. What is the ideal environment to train young scientists? What are the barriers? How does the young scholar mesh into the fabric of the organization?

Attendees to the webinars will appreciate contemporary science in regeneration and the dynamics of transferring that science to the next generation in the enterprise. Participants are selected from the Cato T. Laurencin Institute for Regenerative Engineering's signature T32 Doctoral and Young Innovative Investigator Programs, as well as UConn's graduate training.

The Cato T. Laurencin Institute for Regenerative Engineering is producing this series in partnership with the Advanced Regenerative Manufacturing Institute (ARMI). The webinars will inform participants and the audience on the perspective of young scientists in training conducting research in regenerative engineering supplemental by the interaction with their research preceptors.

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THE CATO T. LAURENCIN INSTITUTE FOR REGENERATIVE ENGINEERING

April 07, 12:00 PM

A Colloidal GelMA-Based Bioink with Anti-Inflammatory

Trainee: Ryeim Ansaf
Preceptor: Ali Tamayol, PhD, Associate Professor
Department of Biomedical Engineering, University of Connecticut

Regenerative Responses in Human Articular Cartilage ex vivo Effects

Trainee: Arianna Lucia Cedeno
Preceptor: Caroline N Dealy, PhD, Professor, Orthodontics,
School of Dental Medicine; Department of Biomedical Engineering,
University of Connecticut

April 14, 12:00 PM

The Use of Combined Nanofibers and Amnion Membrane for Digit Tip Regeneration

Trainee: Zaliya Anthony
Preceptor: Sir Cato T. Laurencin, MD, PhD, KCSL, University Professor,
Albert and Wilda Van Dusen Distinguished Professor of Orthopaedic Surgery;
Professor of Orthopedic Surgery;
Professor of Chemical and Biomolecular Engineering
Professor of Materials Science and Engineering:
Professor of Biomedical Engineering;
Chief Executive Officer, The Cato T. Laurencin Institute
for Regenerative Engineering
Associate Preceptor: Lakshmi Sreedharan Nair,
MPhil, PhD, FNAI, FAIMBE, FBAO
Deputy Director, The Cato T. Laurencin Institute for Regenerative
for Regenerative Engineering;
Director, Skeletal Biology and Regeneration Area of Concentration -
Biomedical Science PhD program

A Light Soft Actuated Bionic Regenerative Engineering (Light SABRE) Brace System Promotes Cartilage Regeneration and Reversal of Pathology in Rabbit Model of Osteoarthritis

Trainee: Madison Hicks
Preceptor: Sir Cato T. Laurencin, MD, PhD, KCSL
Associate Preceptor: Lakshmi Sreedharan Nair, MPhil, PhD, FNAI, FAIMBE, FBAO

April 21, 12:00 PM

Regenerating Osteochondral Defects with PLGA Based Gradient Porous

Trainee: Srivaibhav (Sri) Gudipudi
Preceptor: Sir Cato T. Laurencin, M.D., PhD, KCSL
Associate Preceptor: Lakshmi Sreedharan Nair,
MPhil, PhD, FNAI, FAIMBE, FBAO

Investigation of Amnion membrane allograft to Scaffolds regenerate cartilage in knee osteoarthritis

Trainee: Caleb Womack
Preceptor: Sir Cato T. Laurencin, MD, PhD, KCSL
Associate Preceptor: Lakshmi Sreedharan Nair,
MPhil, PhD, FNAI, FAIMBE, FBAO

April 28, 12:00 PM

Medicine Made in Space: Manufacturing a Janus Base Nano-Matrix in Microgravity to Improve Chondrogenesison Earth

Trainee: Maxwell Landolina
Preceptor: Yupeng Chen, PhD, Associate Professor
Department of Biomedical Engineering, University of Connecticut