University of Delaware CHEM IUCRC Team:

David C. Martin, Associate Dean for Research and Entrepreneurship; Conjugated Polymer Design and Characterization
Norman Wagner, NAE; Director of Center for Neutron Science; Polymer Rheology and Neutron Scattering
Darrin Pochan, MSE Chair; Cryo-TEM and Directed Peptide Assembly
Arthi Jayaraman, CBE; Polymer Computational Modeling, Analytics
29 Faculty

NSF: CHARM MRSEC
$18M / 6 years

DOE: CPI EFRC
$11.7M / 4 years
Julius Korley
UD COE
Director of Entrepreneurship and Strategic Partnerships
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BRINGING LIFE-SAVING INNOVATIONS TO MARKET

The UD component of DRIVEN is being led by, from left to right: Steven Stanhope, principal investigator of Delaware INBRE and associate vice president for research; Julius Korley, principal investigator of UD’s component of DRIVEN and director of entrepreneurship and strategic partnerships for the College of Engineering and CEO of Affinity Therapeutics; and Michael Bowman, associate director of the Office of Economic Innovation and Partnerships.

DRIVEN Accelerator Hub to boost medical entrepreneurship in the Northeast

The University of Delaware has joined a network of institutions in the Northeast aimed at helping people live longer, healthier lives. DRIVEN, a new accelerator hub for medical entrepreneurship funded by $3.5 million from the National Institutes of Health (NIH), aims to help people live longer, healthier lives by increasing the number of quality medical startups in the Northeast, decreasing their time to market, and increasing their probability of success.

The DRIVEN Accelerator Hub also includes Celdara Medical, University of Vermont, Brown University, Dartmouth College, Maine Medical Center, Mount Desert Island Biological Laboratory, University of New Hampshire, University of Rhode Island and Simbex, a medical devices design company.
LABORATORY OF PROF. LAURE V. KAYSER

Department of Materials Science and Engineering
Department of Chemistry and Biochemistry
University of Delaware

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organometallic chemistry and catalysis
3D printed conductive hydrogels
soft electronic materials
electro-responsive polymers
precise conjugated polymers
controlled polymer synthesis

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Tweets by @LaureKayserLab

Applying to our fabulous Materials Science department just got better! For more updates on our research and information on how to apply, follow @udmseg and @ChemistryUD #GREexit
https://twitter.com/udmseg/status/1288162429374005250

Jul 28, 2020

Kayser Lab Retweeted

Materials Science at UD
Research

Functional Materials + Continuum Mechanics

Research in the Dhong Lab focuses on the role of mechanical forces at biological interfaces and how these forces lead to information or control. We are interested in what forces inform the human sense of touch and how these forces can be controlled to recapitulate tactile sensations. Our other interests include developing biophysical platforms that...
The Interdisciplinary Science & Engineering Laboratory (ISE Lab) is the first major science building built on campus in more than 20 years.

Patrick T. Harker ISE-Lab

3,000 ft² Microscope Lab (8 rooms)
3,000 ft² Materials Characterization Lab
10,000 ft² Nanoprocessing / Cleanroom Facility

http://www1.udel.edu/iselab/
1 m concrete slab for vibration isolation

Humidity control to +/- 5% of 50%

Temperature control to +/- 0.5°C

Walls mechanically isolated from building

Electromagnetic shielding

2 sets of 4 rooms served by a utility chase

Imaging sample prep room
1 m concrete slab for vibration isolation

Humidity control to +/- 5% of 50%

Temperature control to +/- 0.5 °C

Walls mechanically isolated from building

Electromagnetic shielding

2 sets of 4 rooms served by a utility chase

Imaging sample prep room
UD Microscopy Staff

Chaoying Ni, Ph.D., Professor of MSE, Lab Director
Jennifer Sloppy, Ph.D., Research Associate
Yong Zhao, Ph.D., Research Associate
Thomas Barkley, Research Associate
Frank Kriss, Senior Research Technician

https://www.camm.udel.edu/

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