

The Biological and Biomedical Joint Seminar Series

(Hosted by the departments of Molecular & Cellular Biology, Chemistry & Biochemistry, Cellular & Molecular Medicine, and Plant Sciences)

“Bioengineering: Cells, Tissues, and Organs for Advancing Human Health”

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**Tuesday September 6th, 2022
ENR2 Room S107 @ 11AM**

Hosted By: Ingmar Riedel-Kruse (MCB)



Millions of people are in dire need of functional constructs that restore, maintain, or improve damaged tissues or whole organs. Dramatic advances in science and technologies have been made to mimic critical physiological features of a healthy body. Particularly, using engineered biomaterials to manipulate cell behavior offers us the ability to develop artificial organs and improve therapeutic treatments in the field of regenerative medicine. This presentation centers on using bioengineering approaches and biomaterials in combination with cell therapy to achieve desired functionalities in the areas of diabetic, neural, and orthopedic research. I will also talk about exciting research projects in my newly founded Integrated BioDesign laboratory (<http://songlabs.arizona.edu>) in the Department of Biomedical Engineering at University of Arizona.

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