



STEM PATHWAYS

Summer 2023 Seminar Series

Friday, August 4, 2023
10:00–11:00 am
CILSE 106C



Jeroen Eyckmans
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BME
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The Eyckmans Lab aims to understand and harness the regenerative processes of musculoskeletal tissues and skin. They employ a reverse engineering strategy in which they learn from regeneration in animal models to develop 3D biomimetic models of tissue repair and regeneration.

Using animal models and “omics” technologies, the Eyckmans Lab investigate how calcium phosphate ceramics induce bone formation in human stem cells. Additionally, to study the decision making process between scarring and regeneration more closely, they develop 3D tissue wound healing models and investigate how mechanical forces, extracellular matrix and different cell types control tissue closure and ensuing remodeling of the wound environment.