



University  
of Basel

Department of  
Biomedical Engineering



Seminar Series:

## **Latest Breakthroughs in Biomedical Engineering Research**

Location: DBE Science Lounge, Hegenheimermattweg 167C, 4123 Allschwil

Date & Time: Thursday 30.04.2026 | 16:30 – 17:30

Host: Prof. Georg Rauter

### **Bioinspired Robots: *Building Embodied Intelligence***

***Josie Hughes***

*EPFL*

#### **Abstract**

This talk will explore a number of approaches to designing and fabricating robots that can robustly interact with the environment through embodied intelligence. The applications and new capabilities enabled by these robots will be discussed, with a focus on sustainability and agricultural applications.

#### **Biosketch**

Josie Hughes is an Assistant Professor at EPFL where she established the CREATE Lab in 2021. Her lab focuses on developing robots that can exploit Embodied Intelligence to robustly interact with real world scenarios. This includes dexterous manipulators, morphing locomoting robots, soft arms, and more unusual form factors including growing, splitting or other physically evolving robotic systems.