Mechanical stress underlies most aspects of cell and organismal biology. **Mechanomedicine** is a field of biology that seeks to understand molecular, cellular, tissue, organ, and individual responses to mechanical stimuli and aims to apply the gained knowledge to improve health. Combining biology and engineering, we explore research areas including mechanosensitive ion channels, heart failure, and regenerative medicine.

**Our interests:** Mechanobiology, Regenerative medicine, Heart failure, Arrhythmia, Cellular and molecular biology, Electrophysiology, Computer simulation

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