

**WE'RE
HIRING!**

Holten-Andersen Lab

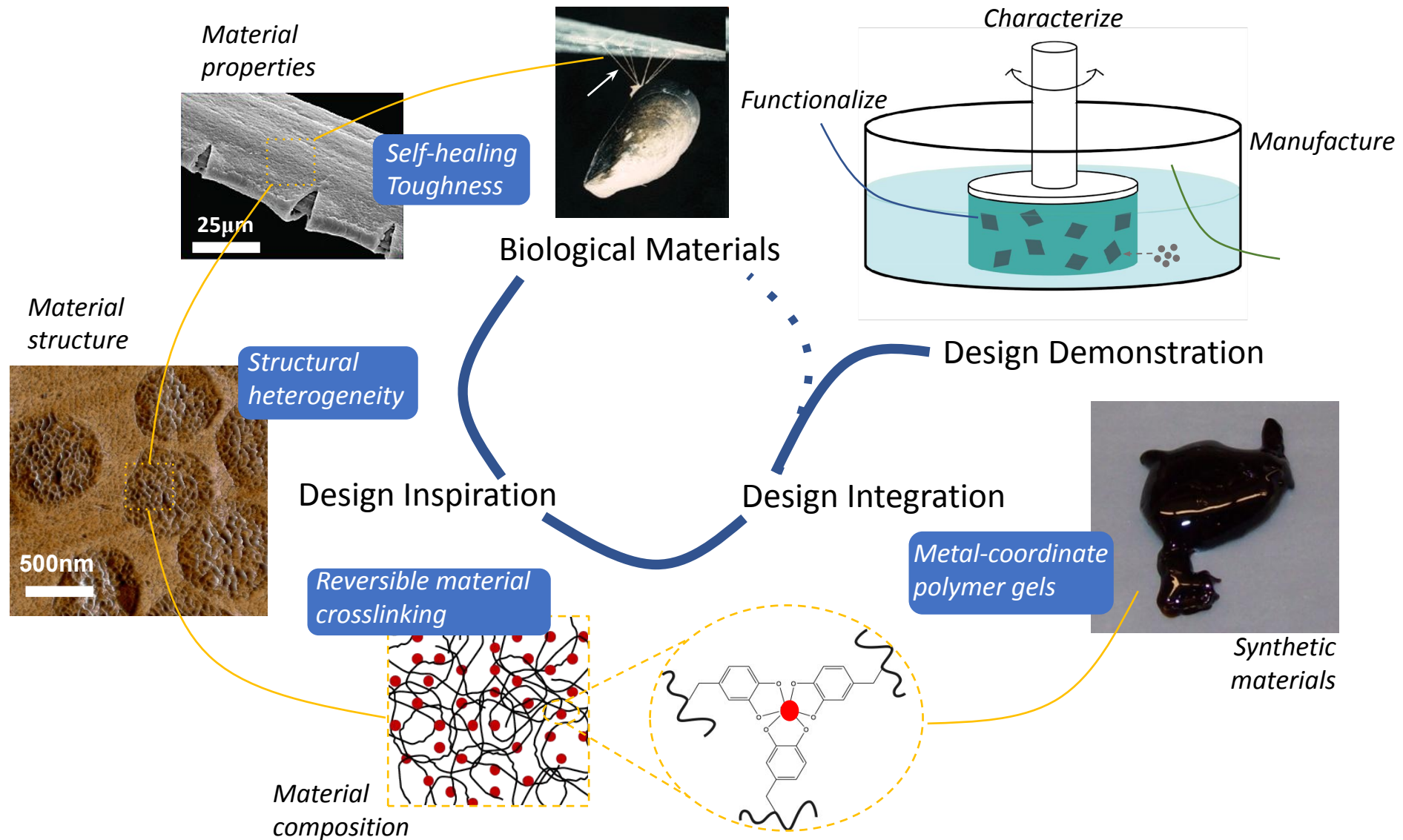
**Bioinspired materials
design, fabrication and
characterization**



Prof. Niels Holten-Andersen
Fall, 2023

Learning from Nature → inspired engineering

Nature presents us with macromolecules that under ambient conditions self-assemble into materials with extraordinary properties. In contrast, many man-made materials are unsustainably produced, display inferior functional properties and only allow limited recycling. We seek to **employ nature's design principles** to demonstrate how **to sustainably manufacture functional materials** that can help overcome a variety of challenges in global health and the environment.



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Contact: Prof. Niels Holten-Andersen
(nih221@lehigh.edu)

Cadre: Doctoral Student

Research Area: Bioinspired materials design, fabrication, characterization

Preferred Skillset: Additive manufacturing and macromolecular materials synthesis and characterization (spectroscopic, microscopic and mechanical analysis). Creativity, passion and commitment to become an integral part of an inclusive, supportive and fun lab 😊