Holten-Andersen Lab

Bioinspired materials design, fabrication and characterization

Prof. Niels Holten-Andersen
Fall, 2023
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.
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 😊

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