



Noémie-Manuelle Dorval Courchesne's short bio

Noémie joined McGill University as an Assistant Professor of Chemical Engineering at in 2017. Previously, she completed her PhD in Chemical Engineering at MIT, and her postdoc at the Wyss Institute for Biologically Inspired Engineering at Harvard. She is a multidisciplinary chemical, materials and biological engineer, with expertise in self-assembly of biological and organic molecules. In her research, she integrates synthetic biology with scalable assembly processes, to fabricate functional materials. Prof. Dorval Courchesne is actively involved in industrially-relevant research, with the goal of introducing biologically-derived technologies in real-world products. Among other projects, she has an ongoing collaboration with the company lululemon, and she is part of an NSERC CREATE on Sustainable Electronics and Eco-Design (SEED). She is a member of several research networks including the Quebec Center for Advanced Materials (QCAM) and the Research Center for High Performance Polymer and Composite Systems (CREPEC). In 2020, she was recognized for her research potential as the recipient of the Christopher Pierre Award for Research Excellence (Early Career) at McGill. She was also recently named one of three “Emerging Leaders in Chemical Engineering” at the Canadian Chemical Engineering Conference (CCEC 2020).