



FEATURING OUR NEWEST FACULTY

2022-2023

36 TENURED/
TENURE-TRACK
AND AFFILIATED FACULTY

\$15M
EXTERNAL RESEARCH AWARDS
(FY2020 - 2022)



Magda Barecka

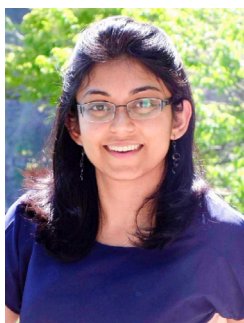
Assistant Professor

Jointly Appointed: Chemistry and Chemical Biology

PhD: TU Dortmund University, Germany, 2017

Previously: Postdoctoral Fellow, University of Cambridge

Scholarship Focus: Discovery and scale-up of (electro)chemical CO₂ utilization methods; accelerating the adoption of carbon neutral chemical manufacturing



Srirupa Chakraborty

Assistant Professor

Jointly Appointed: Chemistry and Chemical Biology

PhD: University of Buffalo, 2017

Previously: Postdoctoral Fellow, Los Alamos National Laboratory

Scholarship Focus: Modeling and theory of complex biomolecular dynamics, geared towards modern therapeutic design



Allison Dennis

Associate Professor

PhD: Georgia Institute of Technology, 2009

Previously: Assistant Professor, Boston University

Scholarship Focus: Semiconductor quantum dots for biomedical imaging and biosensing

Awards:

- Scialog ABI (Advanced Biomedical Imaging) Fellow, 2021-2023
- MAVEN Sr. Scientist, 2021-22



Hannah Sayre

Assistant Professor

Jointly Appointed: Chemistry and Chemical Biology

PhD: Ohio State University, 2018

Previously: Postdoctoral Fellow, Princeton University

Scholarship Focus: Design photocatalysts to improve efficiency and reactivity; understand light-activated chemical reactions with time-resolved spectroscopy



Rebecca Sherbo

Assistant Professor

Jointly Appointed: Chemistry and Chemical Biology

PhD: University of British Columbia, 2019

Previously: Postdoctoral Fellow Harvard University and Harvard Medical School

Scholarship Focus: Electrochemical and biological ways to make important chemical products, like foods and fuels, from gases and renewable energy



Qing Zhao

Assistant Professor

PhD: Massachusetts Institute of Technology, 2019

Previously: Postdoctoral Fellow, Princeton University

Scholarship Focus: Computational catalyst and material design for sustainable energy applications

Biomolecular & Biomedical Systems
Complex & Computational Systems
Energy & Sustainability
Engineering Education & Pedagogy
Materials & Nanotechnology

Northeastern University
College of Engineering

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230 Snell Engineering Center
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About Northeastern Chemical Engineering

The department has **36** tenured/tenure-track and affiliated faculty who have received over **\$15M** in external research awards between 2020 and 2022. Our downtown Boston campus facilitates collaborations with major medical centers, other universities, research laboratories, national laboratories, and industry. Our faculty actively contribute to scholarship to solve problems related to health, sustainability, and energy.