



Dayanne Carvalho

- Ph.D. Student in Chemistry, admitted Summer 2021
- Masters Student in Chemistry, admitted Spring 2026

Bio

BIO

Chemical biology researcher interrogating host-immune interactions, passionate about uncovering molecular mechanisms and developing new therapeutics.

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Sarafan Graduate Fellow, ChEM-H (2021 - present)
- Member, American Chemical Society (2022 - present)

EDUCATION AND CERTIFICATIONS

- B.S., Massachusetts Institute of Technology , Chemistry and Biology (2021)

Research & Scholarship

LAB AFFILIATIONS

- Lingyin Li, Li Lab (3/1/2022)

Professional

WORK EXPERIENCE

- Discovery Chemistry Intern - Merck Research Laboratories (May 2020 - August 2020)

Publications

PUBLICATIONS

- **Stereochemical Control Yields Mucin Mimetic Polymers** *ACS CENTRAL SCIENCE*
Kruger, A. G., Brucks, S. D., Yan, T., Carcaro-Oyarce, G., Wei, Y., Wen, D. H., Carvalho, D. R., Hore, M. J. A., Ribbeck, K., Schrock, R. R., Kiessling, L. L.
2021; 7 (4): 624-630
- **Modern approaches towards the synthesis of geminal difluoroalkyl groups** *ORGANIC & BIOMOLECULAR CHEMISTRY*
Carvalho, D. R., Christian, A. H.
2021; 19 (5): 947-964