

BRADLEY P. SUTLIFF

Phone: (315) 436-5478
bpsut@vt.edu

975 Harless St.
Christiansburg, VA 24073

EDUCATION

- PhD** Virginia Polytechnic Institute,
Macromolecular Science and Engineering May **2023**
Dissertation: **TBD**
Committee: Michael J. Bortner (chair), **TBD**, **TBD**
- MS** Syracuse University, Bioengineering May 2017
Advisor: Patrick T. Mather and Christopher T. Nomura
- BS** SUNY at Albany, Nanoscale Science May 2015
Graduated Summa Cum Laude
Minored in Mathematics
Advisor: Nadine Hempel

HONORS AND AWARDS

- Virginia Tech IGEP Fellowship** 2017-2018
Interdisciplinary Graduate Education Program
- Syracuse University NSF IGERT Fellowship** 2015-2017
Integrative Graduate Education and Research Traineeship
- SUNY Albany Greenwald Endowment** 2013
Awarded for outstanding undergraduate research
- SUNY Presidential Scholarship** 2011-2015

RESEARCH EXPERIENCE

- Virginia Polytechnic Institute**, Blacksburg, VA 2017
Graduate Research Assistant
Advisor: Dr. Michael Bortner
- High Shear Capillary Rheometry of Cellulose Nanomaterials for Industry Relevant Processing
- Syracuse University**, Syracuse, NY 2015 to 2017
NSF IGERT Fellow
Advisors: Dr. Patrick Mather and Dr. Christopher Nomura
- Synthesis of PHOU-POSS nanocomposites for Biocompatible Shape Memory Materials

Syracuse University, Syracuse, NY 2014 to 2014
REU Intern

Advisor: Dr. Christopher Nomura

- Synthesis of Fatty Acid Substrates for Novel Polymer Production

SUNY Albany, Albany, NY 2012 to 2015
Undergraduate Research Aide

Advisors: Dr. Thomas Begley and Dr. Nadine Hempel

- Aptamer-Linked Nanoparticles to Target Cancer cells and DCFDA Studies

PUBLICATIONS

Journal Publications

Pinto, A.; Ciesla, J. H.; Palucci, A.; **Sutliff, B. P.**; Nomura, C. T., Chemically Intractable No More: In Vivo Incorporation of “Click”-Ready Fatty Acids into Poly-[(R)-3-hydroxyalkanoates] in Escherichia coli. *ACS Macro Lett.* **2016**, 5 (2), 215-219.

PRESENTATIONS AND INVITED LECTURES

Poster Presentation, “High Shear Capillary Rheometry of Cellulose Nanomaterials for Industry Relevant Processing,” National Graduate Research Polymer Conference 2018, June 2018.

PROFESSIONAL AFFILIATIONS

Society of Plastics Engineers, 2017-Present

President of the Student Chapter at Virginia Tech

American Institute of Chemical Engineers, 2018-Present

Member

Virginia Tech MACR Student Council, 2018-Present

Treasurer

COMPUTER SKILLS

Programming: Python, Mathematica

Applications: Microsoft Office Suite, Origin Pro, Google Suite