

### Education

- 2016–Present **Doctor of Philosophy – Chemistry**, *Tulane University*, New Orleans, LA.  
projected date of graduation: May 2021  
Dissertation Advisor: Bruce C. Gibb, PhD
- 2013–2016 **Bachelor of Science – Chemistry**, *Northern Illinois University*, DeKalb, IL.  
degree awarded August 2016  
Undergraduate Research Advisor: Marc J. Adler, PhD

### Research Experience

- 2016–Present **Gibb Group – Department of Chemistry**, *Tulane University*, New Orleans, LA.  
Doctoral Candidate  
Supervisor: Bruce C. Gibb, PhD
- 2014–2016 **MJA Lab – Department of Chemistry and Biochemistry**, *Northern Illinois University*, DeKalb, IL.  
Undergraduate Research Assistant  
Supervisor: Marc J. Adler, PhD

### Teaching Experience

- 2017–Present **Recitation Teaching Assistant**, *CHEM2410*, Organic Chemistry I, Tulane University.
- 2017–Present **Teaching Assistant**, *CHEM2025*, Organic Chemistry II Laboratory, Tulane University.
- 2016 **Teaching Assistant**, *CHEM1075*, Experiments in General Chemistry I, Tulane University.

### Additional Teaching Activities

- 2017–Present **Substitute Lecturer**, *CHEM2410*, Organic Chemistry I, Tulane University.
- 2016–Present **Private Tutor**, *General and Organic Chemistry*, Tulane University.
- 2016, Spring **Student Instructor**, *Basic NMR Spectroscopy Instrumentation and the Application of the Fourier Transform on FID Signals*, *CHEM425: Instrumental Analysis*, Northern Illinois University.

### Professional Memberships

- 2016–Present **Member**, American Chemical Society.
- 2016–Present **Associate Member**, Royal Society of Chemistry.
- 2016–Present **Member**, American Association for the Advancement of Science.

### Additional Activities, Service, and Honours

- 2019, Summer **NMR Laboratory Technician**, Tulane University.
- 2018 **Trellas Organic Chemistry Teaching Award**, Tulane University.
- 2018, July **Social Media Manager**, ISMSC 2018 – 13<sup>TH</sup> INTERNATIONAL SYMPOSIUM ON MACROCYCLIC AND SUPRAMOLECULAR CHEMISTRY.
- 2018, March **Assistant to the Convener**, *Symposium on "Molecular Confinement Effects in Inorganic & Organic Containers"*, 255<sup>TH</sup> ACS NATIONAL MEETING, NEW ORLEANS.
- 2018–Present **Media, Social Media, and Technology Manager**, GIBB GROUP.
- 2017–Present **Volunteer Judge**, Greater New Orleans Science and Engineering Fair.

- 2016–2017 **Treasurer**, GRADUATE STUDIES STUDENT ORGANIZATION, Tulane University.  
2014–2016 **Undergraduate Research Assistant**, MJA LAB, Organic Division, Department of Chemistry & Biochemistry, Northern Illinois University.  
2016 **Undergraduate Award**, Organic Division, American Chemical Society, Northern Illinois University.

## Refereed Publications

- 07, Suating, P.**; Gibb, B.C. To wet or not to wet, *Nature Chemistry*, **2020**, *12*(7), Front Cover Image.  
**06, Suating, P.**; Nguyen, T.T.; Ernst, N.E.; Wang, Y.; Jordan, J.H.; Gibb, C.L.D.; Ashbaugh, H.S.; Gibb, B.C. Proximal charge effects on guest binding to a non-polar pocket, *Chem. Sci.*, **2020**, *11*, 3656–3663.  
DOI: 10.1039/c9sc06268h  
**05, Kumar, R.**; Sharma, A.; Singh, H.; **Suating, P.**; Kim, H.S.; Sunwoo, K.; Shim, I.; Gibb, B.C.; Kim, J.S. Revisiting Fluorescent Calixarenes: From Molecular Sensors to Smart Materials, *Chem. Rev.*, **2019**, *119*(16) 9657–9721.  
DOI: 10.1021/acs.chemrev.8b00605  
**04, Varjosaari, S.E.**; Skrypai, V.; **Suating, P.**; Hurley, J.J.M.; DeLio, A.M.; Gilbert, T.M.; Adler, M.J. Simple Metal-Free Direct Reductive Amination Using Hydrosilatrane to Form Secondary and Tertiary Amines, *Adv. Synth. Catal.*, **2017**, *359* (11), 1872.  
DOI: 10.1002/adsc.201700079  
**03, Varjosaari, S.E.**; Skrypai, V.; **Suating, P.**; Hurley, J.J.M.; Gilbert, T.M.; Adler, M.J. 1-Hydrosilatrane: A Locomotive for Efficient Ketone Reductions, *Eur. J. Org. Chem.*, **2017**, 229–232.  
DOI: 10.1002/ejoc.201601256  
**02, Varjosaari, S.E.**; **Suating, P.**; Adler, M.J. One-Pot Synthesis of *O*-Aryl Carbamates, *Synthesis*, **2016**, *48*, 43–47.  
DOI: 10.1055/s-0035-1560726  
**01, Varjosaari, S.E.**; Hess, J.P.; **Suating, P.**; Price, J.M.; Gilbert, T.M.; Adler, M.J. Stereoelectronics of Silyloxybenzoic Acids, *Tetrahedron Lett.*, **2015**, *56*(4), 642–645.  
DOI: 10.1016/j.tetlet.2014.12.013

## Public Presentations

- 03, Suating, P.**; Gibb, Bruce C. Towards the Development of Deep-Cavity Cavitands with Novel Functionality, ISMSC 2018 – 13<sup>th</sup> International Symposium on Macrocyclic and Supramolecular Chemistry, *Québec City, QC, Canada, 2018.07.09*.  
**02, Suating, P.**; Hurley, J.M.; Varjosaari, S.E.; Skrypai, V.; Gilbert, T.M.; Adler, M.J. Reduction of Aldehydes and Ketones Using 1-Hydrosilatrane, 7<sup>th</sup> Annual ACS Illinois-Iowa Undergraduate Research Conference, *St. Ambrose University, Davenport, IA, 2015.11.14*.  
**01, Varjosaari, S.E.**; Hess, J.P.; **Suating, P.**; Price, J.M.; Gilbert, T.M.; Adler, M.J. Stereoelectronics of Silyloxybenzoic Acids, 6<sup>th</sup> Annual ACS Illinois-Iowa Undergraduate Research Conference, *St. Ambrose University, Davenport, IA, 2014.11.16*.

## Skills

### Computer Skills

Intermediate L<sup>A</sup>T<sub>E</sub>X, SciFinder Scholar, Bruker TopSpin, MestreNova, CCDC Mercury, Cinema4D, Pymol  
Advanced Spartan 2016, ChemDraw

### Laboratory Instrumentation

Intermediate NMR Spectroscopy (1D and 2D), GC/MS, FTIR

## Languages

Arterial English, Tagalog  
Intermediate Français

CEFR B1 – Intermediate