**EDUCATION**

**Ph.D., Biological Sciences,** Virginia Tech, Blacksburg, VA **August 2020-Present**

**B.S., Biological Sciences,** Virginia Tech, Blacksburg, VA **December 2018**

**AWARDS and HONORS**

2022 Outstanding Student Authored Paper Award, *The Plant Journal*

2021 National Science Foundation Graduate Research Fellow

2018 Virginia Academy of Science Fall Undergraduate Research Meeting awardee

2018 Robert Jones Undergraduate Research Excellence awardee

**PUBLICATIONS**

* Hildreth S.B.\*, **Smith J.M.\***, Clark, L.C., Puller, G.C., Helm, R.F., Kojima S., Winkel, B.S.J. (2022) Mutations that alter Arabidopsis flavonoid metabolism affect the circadian clock. *Plant J.* 110(4): 932-945. (\*: equal contribution)
* **Smith J.M.** and Kojima, S. (2020) Genome-wide correlation analysis to identify amplitude regulators of circadian transcriptome output*Sci. Rep.*10(1): 21839.
* Xiong, W., Tang, T., **Smith J.M.**, Karcini, A., Lazar, J., Capelluto, D. (2019) Preferential phosphatidylinositol 5-phosphate binding contributes to a destabilization of the VHS domain structure of Tom1. *Sci. Rep.* 10(1): 21839.

**PRESENTATIONS**

* Poster Presenter at the Gordon Research Conference in Chronobiology (June 2023)
* Invited Oral Presenter at the 2023 Rhythms In South-Eastern Region (RISER) Conference (May 2023)
* Poster presenter at the 2022 Phytochemical Society of North America Meeting (July 2022)
* Poster presenter at the 2021 Plant Biology Worldwide Summit (virtual, July 2021)

**RESEARCH EXPERIENCE**

**Graduate Research Assistant**, Virginia Tech, Blacksburg, VA **Spring 2021-Present**

**Winkel Laboratory**

* Ph.D. Candidate:
  + Thesis: Uncovering Molecular Mechanisms Regulating Amplitude of Clock Controlled Genes and Conserved Mechanisms of Circadian Rhythms

**Laboratory Specialist,** Virginia Tech, Blacksburg, VA **January 2019 – August 2020**

**Kojima Laboratory**

* Studied the role of *Rorc* in the mammalian molecular circadian clock and the regulation of tissue-specific rhythmicity

**Undergraduate Research Assistant,** Virginia Tech, Blacksburg, VA **August 2017 - December 2018**

**Capelluto Laboratory**

* Studied the human-TOM1 protein and its interaction with Phosphatidylinositol 5-Phosphate (PI5P).
* Summer internship in the Capelluto Lab through the Virginia Tech Multicultural Academic Opportunities Program (MAOP) in 2018