

MADISON F. VON DEYLEN

(502) 445-0644
MVONDEYLEN@GMAIL.COM
4427 MAIN STREET UNIT 4091
JUPITER, FL 33458

EDUCATION

UNIVERSITY OF KENTUCKY

LEXINGTON, KY

Bachelor's of Science in Biology With Honors, Class of May 2020

Bachelor's of Arts in Chemistry With Honors, Class of May 2020

3.8 GPA, Minor in Gender and Women's Studies

THE GAINES CENTER FOR THE HUMANITIES

Undergraduate Fellowship, Class of May 2020

Community Engagement Project: *One Is Too Many: A Community Art Installation*

Thesis: *Coercive Mating Tactics and the Social Construction of Rape*

RELEVANT WORK EXPERIENCE

STEMCATS LIVING LEARNING PROGRAM

AUGUST 2017 – MAY 2020

Chair of Connected Courses, Research Mentor

Instructed BIO 101 course, coordinated activities for incoming STEM majoring freshmen and transfer students, and promoted involvement in undergraduate research through the BIO 199 introductory course and an undergraduate research showcase.

Acquired Skills:

- Group Management
- Strategic Communication
- Lesson Planning
- Goal Development

UNIV. OF KY DEPARTMENT OF BIOLOGY

JANUARY 2017 – DECEMBER 2019

Research Assistant

Completed primary research and drafted manuscripts for research projects regarding reproductive biology and associated behaviors; assisted in developing five undergraduate research courses.

Acquired Skills:

- IRB, Lab Procedure, & Manuscript Drafting
- Primary Research Procedures
- Document & Resource Compilation
- Syllabus Development
- Data Interpretation

UNIV. OF KY STUDENT SERVICES CENTER

AUGUST 2017 – JANUARY 2019

UK 101 Peer Instructor, Class Coordinator

Assisted new students in transitioning and organizing their career paths at the University, fostered a sense of community in a small group setting during students' first three months at UK.

Acquired Skills:

- Microsoft Office Proficiency
- Communication & Presentation
- Individual Needs Assessment

UNIV. OF KY DEPARTMENT OF BIOSYSTEMS & AGRICULTURAL ENGINEERING

MAY 2018 – AUGUST 2018

NSF EPSCoR II Track-2 Project Team Undergraduate Intern

Assisted with the creation of the Sustainability Through Science lesson plans, instructed local 4-H chapters through DNA replication and analysis labs, assisted in planning the Kentucky Girls STEM Collaborative Conference for 2018, and assembled public communications resources for the National Science Foundation EPSCoR II, Track -2 project on the use of lignin as a renewable resource.

Acquired Skills:

- Communication Materials Development
- Video & Resource Production
- Wet Laboratory Skills
- Chemical Storage

UNDERGRADUATE RESEARCH

VINCENT CASSONE BIOLOGY LAB

AUGUST 2018 – DECEMBER 2019

Undergraduate Researcher

- Assisted in development and progress of a project characterizing female fertility perception and attraction to potentially coercive men across the menstrual cycle
- Investigated the impacts of male reproductive response to female menstrual phase variation
- Assisted on preliminary research studies for scent storage and Luteinizing Hormone viability over time

JULIA BURSTEN PHILOSOPHY RESEARCH GROUP

AUGUST 2019 – DECEMBER 2019

Undergraduate Researcher

- Collaborated on thought experiments intended to highlight the intersections of scientific research and human values
- Examined the roles of value systems in local research projects

PHILIP H. CROWLEY BIOLOGY LAB

JANUARY 2017 – AUGUST 2018

Undergraduate Researcher

- Assisted on a research project with the goal of characterizing the human development of Self-Deception as an evolutionary trait to promote procreation
- Investigated the impacts of male reproductive behaviors as they relate to the Dark Triad
- Lead researcher on the investigation of male fertility scent receptivity from ovulating females as it relates to male sexual orientation

CONFERENCE PRESENTATIONS

- **Von Deylen, M.**, Patel, A., Glover, K., and Crowley, P. (2017, April) *The effects of sexual orientation on male olfactory sensitivity to cryptic ovulation*. Poster presented at the Showcase of Undergraduate Scholars, Lexington, KY.
- Smith, D., Evers, G., Crane, M., Harris, C., Krolikowska, G., O'Day, H., **Von Deylen, M.**, Robbins, S., Glover, K., and Crowley, P. (2018, April) *The effect of temperature on LH viability in urine samples*. Poster presented at the Showcase of Undergraduate Scholars, Lexington, KY.
- Coleman, D., Graebe, M., and Shelton, S., **Von Deylen, M.**, Robbins, S., Glover, K., and Crowley, P. (2018, April) *Female mating responses to facial composites of males*. Poster presented at the Showcase of Undergraduate Scholars, Lexington, KY.
- Davis, O., Bailey, R., and Brown, M., **Von Deylen, M.**, Robbins, S., Glover, K., and Crowley, P. (2018, April) *Sexually coercive males respond to scent of females across ovulatory cycle*. Poster presented at the Showcase of Undergraduate Scholars, Lexington, KY.
- Ahmed, I., Corley, J., Garrett, J., Jolly, H., Land, K., Shelley, L., and Vance, A., **Von Deylen, M.**, Robbins, S., Glover, K., and Crowley, P. (2018, April) *A woman's perception and self-deception of her own fertility*. Poster presented at the Showcase of Undergraduate Scholars, Lexington, KY.

- Abner, L., Phillips, J., and Simpson, E., **Von Deylen, M.**, Robbins, S., Glover, K., and Crowley, P. (2018, April) *To strongly disagree or to not strongly disagree: college males' responses to act on coercive behaviors*. Poster presented at the Showcase of Undergraduate Scholars, Lexington, KY.
- **Von Deylen, M.**, Glover, K., and Cassone, V. (2019, April) *Female Fertility Perception and Male Coercive Behaviors in Humans*. Poster presented at the Showcase of Undergraduate Scholars, Lexington, KY.
- **Von Deylen, M.**, Cassone, V. and Glover, K. (2020, March) *Fertility, Sexuality, and Belief*. Poster presented at Posters at the Capitol, Frankfort, KY.
- **Von Deylen, M.** (2020, March) *Appalachia as a Region Without Consent*. Accepted for presentation at the Appalachian Studies Association Conference, Lexington, KY. CANCELLED DUE TO COVID-19 OUTBREAK.
- **Von Deylen, M.**, Cassone, V., and Glover, K. (March, 2020) *Fertility, Sexuality, and Belief*. Accepted for presentation at the National Conference for Undergraduate Research, Bozeman, MT. CANCELLED DUE TO COVID-19 OUTBREAK.
- **Von Deylen, M.** (April, 2020) *The Intersection of Biology and Culture: The Evolution and Treatment of Rape In Humans*. Poster presented at the Virtual Showcase of Undergraduate Scholars, Online.

GRANTS

- **Summer Research & Creativity Grant (2018)** - \$2,000.00 grant offered to exceptional students pursuing research during the summer.
- **Ribble Undergraduate Research Scholarship (2018-2019)** - \$1,500.00 grant awarded to students demonstrating excellence in undergraduate research in Biology.

PUBLICATIONS

- **Von Deylen, M.** *Coercive Mating Tactics and the Social Construction of Rape*. 2020. University of Kentucky Gaines Center For The Humanities, Fellowship Thesis.

ACADEMIC ACHIEVEMENTS

- **University of Kentucky Department of Biology Departmental Honors (Presented Spring 2020)** - This recognition is provided to the graduates who have completed substantial independent research, maintained top grades in the department, completed graduate level coursework in addition to degree requirements, and presented their research at professional conferences.
- **Gertrude Flora Ribble Award For Undergraduate Research (Presented Fall 2019)** - The University of Kentucky Department of Biology utilizes this award to recognize exceptional independent research of four upperclassmen students each year.
- **Phi Kappa Phi Honor Society (Fall 2017 - Spring 2020), Student Vice President** - Membership is by invitation only to the University of Kentucky's top 7.5 percent of second-term juniors and the top 10 percent of seniors and graduate students. Phi Kappa Phi is the nation's oldest and most-selective cross disciplinary honor society. Phi Kappa Phi recognizes and promotes academic excellence in all fields of higher education and engages the community of scholars in service to others.
- **University of Kentucky, Dean's List (Fall 2016 - Spring 2020)**
- **University of Kentucky Undergraduate Observership Program (Spring 2017 - August 2018)** - Participants of this program are admitted based on an application and interview process and are responsible for observing the work of a classically trained physician in their hometown. The program was founded on the needs of students without medical ties who show devotion and passion for the medical profession.
- **University of Kentucky, STEMcats Scholars Program (Fall 2016 - Spring 2017)** - A program designed to expand the range of experiential learning in high achieving, STEM goal-oriented students. Completing this program requires participation in the FastTrack program, BIO 101, BIO 199, and the Showcase of Undergraduate Scholars.

EXTRA-CURRICULAR ACTIVITIES/ORGANIZATIONS

- **Alpha Phi Omega, Alpha Zeta (2016 - Present)** - Member duties include service to the community, attending leadership development events and fellowship events, and fostering community across participating campuses.
 - *Event Coordinator* (Fall 2017 - Spring 2020)
 - *Service Liaison* (Fall 2017 - Spring 2018)
 - *Professional Leadership Chair* (Fall 2017 - Spring 2018)
 - *Fellowship Chair* (Fall 2017 - Spring 2018)
 - *House Head* (Spring 2017 - Fall 2017)
 - *Attendance Coordinator* (Fall 2016 - Spring 2017)
- **Phi Delta Epsilon Medical Honor Fraternity (Fall 2018 - Present), Fundraising Committee & Service Committee** – Phi Delta Epsilon is an honors organization whose members are dedicated to the field of healthcare and healthcare research. Philanthropy events for the organization are held in support of the Children’s Miracle Network hospital system.
- **LoveLex146 (Fall 2017 - Spring 2019), Education and Outreach Coordinator** - LoveLex is an international organization which aims to raise awareness for and rehabilitate victims of child exploitation and trafficking, an issue which is more common in Kentucky than most other states in the US.
- **#IAmAWomanInSTEM (Fall 2016 - Fall 2018), Stories in STEM Associate & STEMGroups Coordinator** - This community is an ongoing initiative to create a comfortable space for women in STEM fields to communicate and discuss projects while also connecting new members with professionals in their chosen career fields to act as mentors and advisors.
- **Global Brigades (Fall 2016 - Spring 2018), Fundraising Coordinator** - This International, holistic volunteer program assists with promoting key health and economic endeavors in underserved communities around the world by allowing student-led organizations to communicate with governments abroad to determine the main struggles for those, often rural, groups of people.
- **FUSION Day of Service Leadership Development Team (Fall 2016 - Fall 2017)** - FUSION is the largest single service event in the Commonwealth that takes a year of planning to pull off. The event partners with non-profits, charities, churches, and schools across Lexington to help provide volunteers in the name of community at the end of Summer.

ADDITIONAL SKILLS

- Immunostaining
- Polymerase Chain Reaction
- Gel Electrophoresis
- Membrane Potentials Recording & Analysis
- Electrocardiography
- Electromyography
- Animal Husbandry: Insect, Crustacean, & Amphibian
- SPSS Statistical Analysis Experience
- PADI Dive Certified