

UDRAW FALL 2021 PROJECTS

BIOCHEMISTRY

Job Description: A biochemistry laboratory is looking for a student to help us keep our research laboratory running. Responsibilities include: 1) cleaning chemical glassware, 2) sterilizing biochemical equipment and 3) restocking 4) keeping the lab organized. Chemicals used in our lab pose minimal risk, but safety training will be provided. We will teach you everything else you need to know about working in our lab. Most of the communication will be with the undergraduates and graduate students.

Required Skills: An interest in Science, good organizing and communication skills. Love of cleaning glassware. 😊

Approximately 4 hours of work are needed per week.

Please contact: rozovsky@udel.edu

BIOLOGICAL SCIENCES

Position Description 1:

The goal of this work study opportunity is to revise and develop spreadsheet modules for this website which is associated with the Biological ESTEEM Project: Excel Simulations and Tools for Exploratory, Experiential Mathematics. The project has succeeded over the past 15 years in helping many biologists and biology students appreciate the power and utility of mathematics as well as providing tools for analysis, modeling, and interpretation. These modules have been used by students and professors both nationally and internationally.

Previous students have been recruited for graduate school and work opportunities based on the modules that they developed as part of their portfolio. Students from any major may apply, and both art and engineering students have done exceptional work on this project. (For samples of their work see <<http://bioquest.org/esteem>>. Applicants should have some experience in working with Microsoft EXCEL. Good high school algebra is the only math background required; some programming experience and more mathematics are helpful but not essential.

Please contact jungck@udel.edu with a copy of your CV and a description of why you would like to be involved with this project.

Position Description 2:

4D Printing via Self-Assembly and Self-Folding

The goal of this work study opportunity is to revise and develop better development procedures for making our self-assembling icosahedral models.

Currently our approach is too tedious as we have to glue in 120 tiny magnets on 20 triangular pieces to build just one self-assembling icosahedron. We also would like to build models via self-folding. The candidate should have background in any of three areas: (1) familiarity with design software - either Autodesk CAD or Photoshop or Canvas; (2) operation of a 3D printer or a laser cutter; (3) experience in folding origami models. We have used these models in workshops for high school teachers and would like to be able to have teachers be able to have their students easily make their own self-assembling icosahedral and dodecahedral models.

Four previous students have been recruited for graduate school and work opportunities based on the models that they developed as part of their portfolio. Students from any major may apply. Students from art, biology, education, and engineering students have done exceptional work on this project.

Please contact jungck@udel.edu with a copy of your CV and a description of why you would like to be involved with this project.

BIOLOGICAL SCIENCES

Job Description: The Jaramillo-Lambert Lab studies reproduction including how chromosomes are separated into sperm vs eggs and investigating sperm provided proteins needed for embryo development. Under the general direction of the Principal Investigator and graduate students in the Department of Biological Sciences, the undergraduate research assistant will carry out a wide range of experiments involving molecular and genetic approaches. The undergraduate research assistant will maintain a notebook describing experimental methods and results, participate in research discussions, and interpret research results. In addition, the undergraduate research assistant will participate in the general maintenance and upkeep of a *C. elegans* biology lab, which includes lab clean up and organization, washing and autoclaving of glassware, media and chemical solutions preparation. The undergraduate research assistant should be punctual, reliable, and able to follow instructions after training.

Time commitment: Approximately 5-10 hours of work per week required.

Contact: Dr. Aimee Jaramillo-Lambert- anjil@udel.edu. For more information about the Jaramillo-Lambert lab please visit our website: <https://www.bio.udel.edu/people/anjil>.

CHEMICAL ENGINEERING

Cellular Engineering & Applied Synthetic Biology / Chemical Engineering

Job Description: The Cellular Engineering & Applied Synthetic Biology Lab, led by Prof. Mark Blenner, engineers biological systems to solve problems in sustainability, human health, and national defense. The lab generates systems level data and creates synthetic biology tools to speed the design, build, test cycle for yeast, mammalian cells, and microbial communities. His group is interested in solving problems in complex environments, such

as biomanufacturing, and wild environments outside the lab. UDRAW students are expected to learn the various microbiological, genetic

Several projects are open.

Project #1: Evolution of yeast to improve the metabolism of degraded plastic waste.

Project #2: Identifying insect gut microbes associated with increased plastic degradation.

Project #3: Screening a genome scale library for improved protein secretion from yeast.

Project #4: Effect of media additives on CHO cell cultures for making biopharmaceuticals.

The research assistant will be included as a member of the Blenner group and would participate in weekly lab meetings and will talk multiple times per week with the graduate student mentor.

Required Skills:

- Be in good academic standing (GPA of 3.0 or above)
- Some background and/or interest in biochemistry, microbiology, biomolecular, chemical engineering, or bioengineering
- Diligent, organized, and attentive to details
- Good time-management skills
- Students interested in graduate school are preferred

Time commitment: Approximately 10-12 hours per week, depending on the student's availability

Contact: Prof. Mark Blenner via email (blenner@udel.edu)

COMMUNICATION SCIENCES AND DISORDERS

Position Description: Research Assistant (Fidelity & Transcription)

The Treatment Efficacy and Language Learning Lab is looking for undergraduate students to assist with remote data collection, coding videos, transcribing videos and marking transcripts, material development, data management, & participant recruitment. Students who are eligible for this position:

- Are available for at least 10 hours/week
- Are able to commit to at least 2 semesters in one year (Spring+Summer, Spring+Fall, or Summer+Fall). Availability during wintermester is a bonus.
- Have a GPA greater than 3.4
- Have some knowledge of phonetics, morphology, and/or syntax. If you aren't sure whether your coursework is sufficient, please contact us to discuss the details.

If you meet these requirements and are interested in working with us, please reach out to tell-lab@udel.edu for an application. For more information about the lab, please go to our website: <https://sites.udel.edu/chs-tell/>

EDUCATION

Faculty Mentor(s): Christina Areizaga Barbieri

Hours/Week: 8-10

Dr. Barbieri's research program centers broadly on instruction for students who struggle in math. Specifically, her work focuses on the evaluation and application of learning principles to improve mathematical competencies and motivation for math, especially for students at risk for low mathematics achievement. Dr. Barbieri studies mathematical competencies from preschool to adulthood. A core part of her work aims to understand how common mathematical errors can be used most effectively to reduce misconceptions and improve learning in math content areas that students commonly struggle with. Recently this has involved both algebra and fractions, both gateway topics for success in STEM disciplines and careers. Dr. Barbieri also considers the role of motivation and attitudes towards mathematics in student learning.

In Fall 2021, Dr. Barbieri's various projects on mathematical cognition and learning will have a range of remote activities for an undergraduate scholar to receive mentoring in, such as analyzing students' problem-solving skills and explanations, reading and coding/note-taking literature, creating databases, coding for meta-analyses, preparing conference submissions, and potentially collecting data in classrooms (as public health allows – just for those interested). This apprenticeship can be fully remote and mainly asynchronous for Fall 2021, with the exception of about one 1-hour Zoom meeting per week.

Please contact Dr. Christina Barbieri – barbieri@udel.edu for more information.

More information about Dr. Barbieri's lab can be found here: <https://sites.udel.edu/barbieri/>

Required Skills

- Be in good academic standing (GPA of 3.0 or higher)
- interested in student thinking and learning
- Diligent, organized and attentive to detail
- Have good time-management skills
- Have a stable Wifi connection and access to a laptop
- Be able to commit to at least 8 hours a week (up to 10) of work (excluding finals week).

Recommended Skills

The following are **preferred** but not required:

- Education, Psychology, or other Social Sciences majors preferred.
- Have experience using Excel.
- Have experience using SPSS or another statistics software.
- Some experience tutoring mathematics (at any grade level)
- Comfortable thinking and talking about mathematics (at various grade levels)
- Interest in attending graduate school
- Availability to stay on for spring 2022 if in good standing.

EDUCATION

Position Description 1:

Whom Must We Treat Equally for Educational Opportunity to be Equal?

Teachers face a difficult choice between which students they should give greater attention to. In this study, we use survey experiments to test teacher preferences for how to best allocate their time. We then compare teacher preferences to those of the broader population to check for alignment. Results from the study will help shape discussions about equality and equality of opportunity in the classroom. Students interested should email Dr. Kenneth Shores at kshores@udel.edu. Research opportunities including learning about survey design, experimental design, and data collection.

Position Description 2:

School Finance Policy and Practice

Do principals have to choose between hiring more experienced teachers versus reducing class sizes? Do these choices create inequalities in school recruitment and hiring? What is the optimal choice for a principal? These questions motivate my study to understand variation in school funding and hiring across the United States. Preliminary data suggests there is massive heterogeneity across districts and states, meaning that there are large differences in the discretion principals have and potential for inequality. Students interested should email Dr. Kenneth Shores at kshores@udel.edu. Research opportunities including learning about school finance policy, research design, and data collection.

ENTOMOLOGY AND WILDLIFE ECOLOGY

Position description: The [Agricultural Entomology Lab](#) at University of Delaware is seeking a student to assist with an experiment involving darkling beetles. Delaware is a major producer of chickens for meat (broilers), of which darkling beetle (*Alphitobius diaperinus*) is the most important insect pest. Darkling beetles cause physical damage to chicken houses, transmit diseases from chicken feces, and eat the chickens' food (and sometimes the chickens themselves). Control usually relies on a handful of pesticides, but learning more about darkling beetle's basic biology and ecology could lead to effective alternatives. The undergraduate student researcher will assist Dr. Crossley in maintaining darkling beetle colonies in the lab and measuring insect development and population growth rates on different types of food substrates. Establishing a reliable method for rearing insects in the lab will be foundational to future studies on this insect. Students interested in biology, ecology, and/or insects are strongly encouraged to apply.

Required skills: Must be willing to handle insects. Technical lab training will be provided.

Time commitment: Flexible; must be able to work in blocks of 2 – 3 hours, but no more than 10 hours/week.

Contact: To apply, please contact Dr. Mike Crossley at crossley@udel.edu.

HUMAN DEVELOPMENT AND FAMILY SCIENCE

Position description: Dr. Barnes' research program centers broadly on the social and emotional well-being of diverse student populations and educators.

We are a small lab and work across multiple projects. The undergraduate scholar will work on of the following projects with possible additions as the semester goes on:

Project A is a study that will examine multi-tiered systems of support and school climate. If joining this project team, scholar responsibilities could include helping review the literature, assisting with article coding , reference sorting, and/or writing up findings.

Project B is a study focusing on teacher and assistant teacher collaboration in preschool settings. If joining this project team, scholar responsibilities could include teacher and assistant teacher video observation, coding videos using a researcher-created measure, and writing up findings.

Project C is support with dissemination of research findings. If joining this team, scholar responsibilities could include reviewing relevant literature, crafting literature reviews for papers, creating social media posts, writing blog posts about findings.

Required Skills: The scholar will join a multi-site research team, and our only required skill is your ability to work collegially, professionally, and independently.

Preferred Skills: While our team will mentor you with what you need to know, we can move faster if you have a working proficiency of Microsoft Word and Excel and the Google Apps suite (Docs, Sheets, Forms). Moreover, while not required, we'd hope you have an interest in social-emotional wellness and childhood. You do NOT need to be an education or HDFS major. All are welcome!

Approximately 10 hours per week dependent on project workload needs.

Contact Dr. Tia Barnes for more information and/or to apply – tnbarnes@udel.edu

MATERIAL CULTURES

Position: Database Assistant

Position Description: The DH project “ThingStor,” a material culture database operated under Dr. Martin Brückner of the English Department, seeks a student interested in both website development and the humanities. Students from any major may apply. The successful applicant will work with Dr. Brückner and Graduate Assistant Victoria Sunnergren to develop data visualization tools to allow users to better access the data and understand connections between data points. This can involve extensive research of data visualization tools and time to develop the skills necessary to use them. For more information on ThingStor in its current form, visit www.ThingStor.org.

Required Skills: Familiarity with Google Drive and Google Sheets and either familiarity with or ability to learn WordPress and AirTable, be in good academic standing (GPA of 3.0 or above), self-motivation and the ability to learn independently.

Preferred Skills: Good organizational, communication, and time management skills, familiarity with website design and coding; interest in graphic-design/data visualization, willingness to work on the project in an ongoing capacity.

Time commitment: About 5 hours virtual work per week, depending on student’s schedule. This is a virtual position working with large amounts of data, so a stable internet connection will be required.

To apply, send a cover letter and 1-page resume to both Prof. Brückner (mcb@udel.edu) and Victoria Sunnergren (vsunner@udel.edu).

MATERIALS SCIENCE

Available student project - [Optical characterization of 2D materials and heterostructures](#)

Research Field: Materials Science/Optics/Physics/Chemical Engineering/Electrical Engineering/Mechanical engineering

Position Description: 2D materials, such as graphene and transition metal dichalcogenides, exhibit extraordinary optoelectronic and mechanical properties compared to their bulk counterparts. These properties depend on the crystal structure of the material and, as such, are affected by local environment and structural defects. This project will investigate the structure and defects in 2D materials and various 2D material based electrical and mechanical devices by optical spectroscopy and material simulation.

Both in-person and remote project activities will be available.

Through the project, the student will develop skills in the area(s) of:

2D material transfer technique

Building optical setup

Materials processing and characterization

Semiconductor clean-room technology

Multiphysics modelling of complex physical phenomena

Data acquisition, analysis and interpretation

Critical thinking

Required:

Working toward an engineering or science degree

Organized and excellent time management skills

Ability to work independently

Willingness to learn new things

Some experience with working in a science lab will be preferred

Time commitment of approximately 8-10 hours per week

Preferred Major: Physics, Chemistry, Materials Science and Engineering, Electrical Engineering, Chemical Engineering, Computer Science

Contact:

Professor Chakraborty (cchakrab@udel.edu)

Website: <https://sites.udel.edu/cchakrab/>

MEDICAL AND MOLECULAR SCIENCES

Parashar laboratory at Department of Medical and Molecular Sciences

Position 1: Protein expressionist

Job Description: Student will work with faculty member in the lab to conduct protein techniques used in protein expression workflow. The student's responsibilities will include: (1) making and sterilizing bacterial growth media, (2) large-scale bacterial culture harvesting by centrifugation, (3) making gels and performing protein electrophoresis, (4) protein gel scanning and documentation, (5) dish washing using automatic dishwasher. Trainings will be given for each of the above tasks.

Required Skills: Theoretical knowledge in Microbiology will help. Previous experience performing any of the above-mentioned tasks is a plus. Strong interpersonal skills are necessary.

Approximately 10 hours of work required per week.

Position 2: Gene cloner

Job Description: Student will work with faculty member in the lab to conduct genetic techniques used in molecular cloning workflow. The student's responsibilities will include: (1) setting-up PCR reactions, (2) plasmid isolation from bacteria, (3) running agarose gel electrophoresis, (4) performing gel extraction of nucleic acids, (5) performing genetic transformations in bacteria. Trainings will be given for each of the above tasks.

Required Skills: Theoretical knowledge in molecular biology and cloning will help. Previous experience in performing any of the above-mentioned tasks is a plus. Strong interpersonal skills are necessary.

Approximately 10 hours of work required per week.

Position 3: Protein Purification Specialist

Job Description: Student will work with faculty member in the lab to conduct techniques used in protein biochemistry. The student's responsibilities will include: (1) setting-up SDS-PAGE runs, (2) scanning SDS-PAGE gels and labeling gel pictures, (3) Preparing solutions for protein purification. Trainings will be given for each of the above tasks.

Required Skills: Theoretical knowledge in protein biochemistry will help. Previous experience in performing any of the above-mentioned tasks is a plus. Strong interpersonal skills are necessary.

Approximately 10 hours of work required per week.

Contact: Dr. Vijay Parasher - parashar@udel.edu

NEUROSCIENCE

Position Description: Behavioral Neuroscience Research Assistant

The Birth and Endocrine Signaling Lab is a behavioral neuroscience lab that uses animal research to better understand how hormones affect the development of brains and behavior. We are currently seeking an undergraduate research assistant to help with this work. The student research assistant's responsibilities will include a mix of in-person, hands-on work and computer work that can be done remotely. Specifically, we are looking for someone willing to work with some combination of: live animals, tissue samples, and software for ~8-10 hours per week. No previous lab experience is necessary, but an interest in neuroscience, psychology, animal behavior, or

reproductive biology is preferred. Benefits of the position include working alongside a team of undergraduate researchers and training in various laboratory techniques. This position would be especially helpful to students interested in pursuing medical school or graduate school in biomedical research.

Contact: Dr. Will Kenkel – wkenkel@udel.edu

NEUROSCIENCE

Neuroscience – Fly Behavior

Neurobiology of Reward Laboratory (<https://shaolab.bio.udel.edu/>)

Position Description: The Neurobiology of Reward Laboratory studies the neural and genetic basis of reward-driven behaviors, such as feeding, mating, and social interaction, using fruit fly *Drosophila melanogaster* as a model system. Different types of behavior chambers are designed and engineered for researchers to observe and quantitatively measure the behaviors of fruit flies, such as feeding, courtship, learning and memory. Behavior chambers are usually designed using CAD software and fabricated using 3D printer, laser cutter, and other engineering/mechanical tools. The undergraduate researcher will be working with graduate students to optimize the current behavior chambers, design new chambers, and test and analyze fly's behavioral performance in these chambers. The undergraduate researcher will receive training on genetics and basic experimental skills to work with *Drosophila*. This would be a great opportunity for a student interested in applying engineering skills on neuroscience problems.

Required Skills:

- + Some background and/or interest in neuroscience
- + Skillful with 2D and 3D CAD software
- + Programing in MATLAB and/or other languages is not required but a plus

Time Commitment: Approximately 5-10 hours per week, depending on the student's availability

Contact: Dr. Lisha Shao via email shaol@udel.edu

NEUROSCIENCE

Position Description: The undergraduate research assistant is responsible for collecting and analyzing data in the laboratory. Responsibilities include assisting with participant recruitment, running experiments, coding data from neurologically-intact and brain-damaged individuals, analysis of structural and functional neuroimaging data, and other day-to-day research needs. The benefits of the position include working closely with graduate students and faculty in a cognitive neuroscience lab, learning about brain stimulation and studying individuals with brain damage, attending weekly lab meetings, and learning more about our cognitive neuroscience research.

Approximately 5-10 hours of work required per week.

Contact – Jared Medina – medina@udel.edu

PHYSICS AND ASTRONOMY

Contact: Prof. Arijit Bose, bose@udel.edu, Department of Physics and Astronomy

Join the High Energy Density Physics (HEDP) group at University of Delaware for an undergraduate research work-study experience in the Fall'21 semester. The computational project will involve working with the plasma physics code FLASH to model scientific problems relevant to the National Inertial Confinement Fusion Research Program carried out at UD in collaboration with the US National Laboratories (Sandia, Lawrence Livermore and Los Alamos) and the Laboratory for Laser Energetics.

Previous coding and UNIX experience is preferable but not necessary. The project will be supervised by prof. A. Bose, and the student will be working in collaboration with the members, graduate and undergraduate researchers, in the HEDP group.

Approximately 8-10 hours are required per week. The project duration is at least 12 months beginning immediately. Contact Prof. Bose (bose@udel.edu) for more information. Please send a CV and transcript with your email.

PLANT AND SOIL SCIENCES

Interdisciplinary position in Sustainable Food Systems/Plant and Soil Sciences/Environmental Sciences/Chemistry/Biology

Position Description: The Seyfferth Lab conducts research at the intersection of chemistry, biology, environmental sciences, plant, and soil sciences. Two main projects are:

- 1) To understand how contaminants in soil and water enter the food that we eat. Importantly, we strive to decrease the amount of toxic compounds in our food supplies in sustainable ways that benefit society and the environment.
- 2) To understand how sea-level rice impacts biogeochemistry in coastal soils.

See <http://udel.edu/~angelias/Seyfferth/Welcome.html>

Due to the interdisciplinary nature of the work, we have many different projects that can suit student's interests and we have employed students from Environmental Engineering, Chemistry, Biology, Geology, Environmental Sciences, and Plant and Soil Sciences. Typical tasks include field work, wet chemistry lab work, sample preparation, plant tissue analysis, soil analysis and water analysis.

Required skills: Strong interpersonal and organizational skills, and good time management.

Preferred skills: Microsoft Excel and preparing solutions in a laboratory setting.

Time commitment: Approximately 3-hr or more blocks of time, 3-10 hours per week.

Please reach out to the PI, Dr. Angelia Seyfferth, at angelias@udel.edu if you are interested in this position.

PLANT AND SOIL SCIENCES

Internship Announcement: Looking for a work-study student with an interest in Land Restoration, Edible Forest Gardening/ Food Forests and Indigenous Communities

The landscape restoration & edible forest garden project on the Lenape Ancestral Lands of the Fork Branch in Cheswold, DE provides a hands-on opportunity for a **work study** student to gain experience in plant maintenance and management, design of edible forest gardens, landscape architecture, invasive plant management, community engagement, regenerative design and other related topics. While Cheswold, DE is about an hour from UD main campus, there are many tasks that can be undertaken remotely. This position has potential to lead into the Summer Scholar full time internship program.

This position will be a hybrid experience, incorporating these tasks and others as determined by Dennis Coker, Chief of Lenape Indian Tribe of DE and faculty mentors, Jon Cox and Anna Wik:

1. Plant maintenance and management (including watering/ weeding/ planting/ plant health evaluation);
2. Assistance with documentation and future planning;
3. Helping to lead and organize work days;
4. Assist with outdoor seating design and installation.

Students must be able to work in all weather conditions and to lift 30 pounds on a regular basis. Estimate approximately 5-10 hours per week. Start date ASAP.

Contact Dr. Wik (annawik@udel.edu) or Dr. Cox (joncox@udel.edu) for more information.

Required skills:

- Highly organized
- Detail oriented
- Self-motivated
- Comfortable working independently and in a team
- Eager to share ideas and knowledge
- Responsive to team and supervisor communications
- Interest in regenerative design
- Able to lift 30 pounds
- Sophomore or Junior
- Drivers license
- Some flexibility to work weekends, including required workdays on Sunday Nov. 7th and Nov. 28th

Desirable:

- Experience/ coursework related to plant ID & maintenance, horticulture, permaculture, vegetable gardening.
- Experience with AutoCAD, Photoshop, and Adobe Suite a plus
- Experience with Google Docs, Excel and web forms

Please send a resume and one-page letter of interest via email, including current GPA and any previous experience with garden maintenance, horticulture, early childhood education, food forests, and project management. In addition, provide names of a faculty sponsor, or external employers with familiarity of your academic or extracurricular activities who we may contact as a reference to:

Anna Wik (annawik@udel.edu) and **Jon Cox** (joncox@udel.edu)

Any additional questions may be directed to:

Anna Wik

Associate Professor of Landscape Architecture

Plant and Soil Sciences
University of Delaware 139
Townsend Hall

PHYSICAL THERAPY

Position Description: The Move to Learn Innovation Lab is located in Star Campus. Our Super Suits FUNctional Fashion and Wearable Technology Program focuses on designing garments to help improve quality of life for people with disabilities.

We are seeking one or two undergraduate research assistants to engage in a variety of research activities with our team. Our team's current projects focus on early intervention, parent education, and rehabilitation technology. Students will assist in a variety of tasks, including coding of data from videos of parent-child activity or apps about child development and play, digitally gathering scientific articles, and data processing and organization. No prior experience with these tasks is required as training will be provided; individuals with experience using sewing machines are preferred for some of the tasks.

The benefits of the position include working with our interdisciplinary team members to learn more about how to scientifically design interventions and clothing that support and assist movement for children with disabilities and participation in a supportive environment with students pursuing a variety of careers in health sciences.

Approximately 8-10 hours of work required per week.

Contact Dr. Michele Lobo – malobo@udel.edu

PSYCHOLOGY AND EDUCATION

Position Description: The Rutherford Lab researches student learning and motivation in online contexts for Pre-K through university students. Current projects include understanding how early elementary student self-regulation develops and relates to instruction during emergency online instruction throughout the pandemic; examining how teachers support upper elementary students' emotions while they work through an online mathematics software;

determining how features of a coding course relate to performance between experts and novices; researching how student motivation changes throughout elementary and middle school; understanding how university instructors respond to the shift to online classes; and examining how motivation relates to desired careers.

The lab is a vibrant research community with postdocs, doctoral students, and undergrads working together toward shared research goals. Weekly lab meetings facilitate problem-solving and sharing across projects. We work hard to develop a work environment (even virtually) that is fun, collaborative, and productive, and is one that supports undergraduate researchers in learning content, skills, and professional norms for Psychology and Education research.

Contact: Dr. Teomara Rutherford - teomara@udel.edu

PUBLIC POLICY AND ADMINISTRATION

Isett Policy Lab – Biden School of Public Policy and Administration

Position description: The Isett Policy Lab focuses on, but is not limited to, issues around healthcare access and racial and gender disparities. We have a number of projects that are in need of data collection and data tabulation. Students will likely work on a number of different projects throughout the year. Our lab's current projects include:

1. Collaboration among community organizations responding to the opioid epidemic in North Carolina
2. Race and gender patterns in academic research
3. Use of scientific knowledge in policy making

Required skills: Most skills needed will be taught in the lab setting, but attention to detail is extremely important. Some introductory statistics is preferred. Need to work independently.

Time commitment: 2 students at 10 hours per week each. UDRAW students will work collaboratively with students at all levels of education within UD. The lab meets on Fridays at 3pm.

Contact: Please contact Dr. Isett (kri@udel.edu) if interested.