Hello Hokies! You are cordially invited to the 2022 Dennis Dean Undergraduate Research and Creative Scholarship Conference this **Friday, April 29, 2022**, at **Squires Student Center Commonwealth Ballroom B, from 8 to 5**. This week's newsletter features research opportunities relating to Database and Product Development, Transportation and Road Traffic Safety, Data Reduction, Chemical Fume Hood Testing, Germ Cell Development, Marine and Ocean Sciences, and Food Science. This newsletter also features three professional development programs relating to the topics of High-Performance Computing, Forestry, and Earth Week. Programs that are marked with asterisks (**) accept applications from international students at VT.

Let us know what you think about the newsletter by taking a quick survey at the end of the newsletter! (6 minutes read)

In today's edition:

1. **OUR Office Bulletins**
   0. Office Hours
   1. 2022 Dennis Dean Undergraduate Research and Creative Scholarship Conference

2. **Research Programs at VT**
0. Research Collaboration & Engagement (RCE) Department Projects Assistant**
   1. VT Transportation Institute Research Assistant**
   2. VT Transportation Institute Data Reductionist**
   3. VT Health & Safety Assistant**

3. Research Programs Beyond VT
   0. Research Technician For Germ Cell Development - Yamashita Lab**
   1. 2022 Fall Research REU at Bermuda Institute of Ocean Sciences: Collaborative Marine Research
   2. Food Safety, Food Engineering and Nutrition REU at Illinois Institute of Technology

4. Professional Development
   0. Virginia Women In High-Performance Computing To Host ‘Supercomputing For Everyone’ Virtual Event
   1. Forest Landowner Extravaganza
   2. Activities Set For Earth Week, April 17-23

1.1 Office Hours

Office hours will be held virtually. You need to be logged into your VT Zoom account before opening the link. (Personal ID number: 540 231 3580) The next and the last office hours of the semester will be:

Wednesday, April 27, 9:00 a.m.-10:00 a.m.

We can always be reached at ugr@vt.edu if you need help with undergrad research experience.
1.2 2022 Dennis Dean Undergraduate Research and Creative Scholarship Conference

The conference will be held on this Friday, April 29, 2022. For over ten years, this conference has offered undergraduates the opportunity to gain experience communicating their work while engaging faculty and other students. This year, the conference will be held at Squires Student Center Commonwealth Ballroom B, from 8 am to 5 pm. Learn more about the conference, schedule, and how to access the conference site on the conference website. The event is free and open to the campus community.

2.1 Research Collaboration & Engagement (RCE) Department Projects Assistant**

The RCE Department Projects Assistant will primarily assist in supporting special projects within the department. This includes researching new software, describing features of new databases, and supporting faculty and student research information gathering and research projects. Click here to learn more about the program. The deadline is June 22, 2022, at 5:00 PM.
2.2 VT Transportation Institute Research Assistant **

On-road experimenters are tasked with setting up the Smart Road or VTTI facilities for a human participant research study, presenting experimental conditions during the session, and cleaning up/preparing for the next session once data collection is completed. Responsibilities could also include assisting our Research Specialists with data reduction tasks, constructing experimental components, and developing the software needed prior to data collection. These tasks are typically performed during the day on an as-needed/as-available basis. Click [here](#) to learn more about the program. The deadline is **April 22, 2022, at 12:00 AM**.

2.3 VT Transportation Institute Data Reductionist**

The job involves working in our computer labs to review and analyze driving data and video collected in various research projects while assessing data quality, and/or documenting driver behavior, road conditions, etc. following detailed protocols. Click [here](#) to learn more about the program. The deadline is **May 4, 2022, at 11:55 PM**.
2.4 VT Health & Safety Assistant**

VT Enterprise Administrative and Business Services is looking for a student worker interested in chemical fume hood testing. The applicant will be trained to check air flow on fume hoods using an anemometer and smoke machine as appropriate. This includes taking measurements, recording data, and transferring results to EHS personnel for database updates. The position will also include assisting the Laboratory Inspection group with Emergency Shower testing as needed. Click [here](#) to learn more about the program. The deadline is **May 11, 2022, 5:00 PM.**

3.1 Research Technician for Germ Cell Development - Yamashita Lab**

In this role, you’ll have the opportunity to work on the mechanisms of germ cell development using Drosophila as a model system. Through working closely under the supervision of the Principal Investigator and a postdoctoral fellow, you will perform a variety of research activities, including fluorescence microscopy, molecular biology, genetics, immunohistochemistry, and data analysis. Click [here](#) to learn more about the program. The deadline is **July 2, 2022, at 11:55 PM.**
3.2 2022 Fall Research REU at Bermuda Institute of Ocean Sciences:

Collaborative Marine Research

An REU internship at BIOS is a great way to gain the experience necessary to embark on graduate studies or careers in the marine and ocean sciences. Click here to learn more about the program. The deadline is May 31, 2022, at 10:55 PM.

3.3 Food Safety, Food Engineering and Nutrition REU at Illinois Institute of Technology

Are you an undergraduate student interested in exploring myriad opportunities in food safety, food engineering and nutrition? Food science is a STEM area which produces far fewer graduates than the available job opportunities. Would you like to undergo a rigorous mentoring and professional development training along with a paid research internship to fine-tune your skill sets required to help you to become successful scientists, engineers, and entrepreneurs? Click here to learn more about the program. The deadline is Friday, May 6, 2022, by 5:00 PM CST.
4.1 Virginia Women in High-Performance Computing to host ‘Supercomputing for Everyone’ Virtual Event

The research computing professionals will describe the available infrastructure and support resources with an overview of their home institutions’ HPC user base during this event. Challenges and learning curves involved in using HPC effectively will also be discussed. Click here to learn more about the program.

4.2 Forest Landowner Extravaganza

This event will take place concurrently with the Virginia Forestry Summit at the Inn at Virginia Tech from May 3 through May 5. Featured programs include 1) Preparing for Generation NEXT Legacy Planning (workshop), 2) Tree Identification and Forest Ecology at Pandapas Pond (walking tour), 3) Agroforestry Options at the Catawba Sustainability Center (walking tour), 4) Tour of Virginia Tech’s Urban Forest (walking tour). 5) Ongoing Research and Innovations in Forest Products (workshop). Click here to learn more about the program.

4.3 Activities Set for Earth Week, April 17-23
Virginia Tech is excited to celebrate Earth Week each April. There are always a lot of events to participate in, so please don't hesitate to join in the fun! Click here to learn more about the program.

Let us know what you think about the newsletter by taking this quick survey!

--
You received this message because you are subscribed to the Google Groups "undergraduateresearch-g@vt.edu" group. To unsubscribe from this group and stop receiving emails from it, send an email to undergraduateresearch-g+unsubscribe@vt.edu.