Hello Hokies! This newsletter features a final call for student applications for the prestigious ACCMoM Conference that’s due today, all students are welcome and all expenses are covered. We would also like to introduce the 2022 Fralin Summer Undergraduate Research Fellowship (SURF) Program. All current VT undergraduates considering a career in life sciences research are encouraged to apply for this fellowship.

Other than that, this newsletter also features research programs on and off the VT campus, in Neuroscience, Biomedical Research, Molecular Engineering, Physics, Genomics, Molecular Genetics, Cell Biology, Geoscience, Agroecology, Engineering and Community Engagement, and broadly STEM-Related fields. This newsletter ends with a professional development program in Genomics and Biodata, a fellowship opportunity for students who wish to become agents of change at the VT community, training for responsible research conduct, and two paper opportunities.

Let us know what you think about the newsletter by taking the quick survey at the end of the newsletter! (7 minutes read)

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1.1 Office Hours
Office hours will be held virtually at this point until further notice. You need to be logged into your VT Zoom account before opening the link. (Personal ID number: 540 231 3580)
Thursday, February 3, 2 pm-3 pm
Friday, February 11, 12 pm-1 pm
Wednesday, February 16, 9 am-10 am
We can always be reached at ugr@vt.edu if you need help with undergrad research experience.

2.1 Fralin Summer Undergraduate Research Fellowship (SURF) at Blacksburg**
All current Virginia Tech undergraduates considering a career in life sciences research are encouraged to apply for this fellowship. Please contact Keri Swaby at kswaby@vt.edu for questions. Click here to learn more about the program. The deadline is Feb. 27, 2022, at 5 PM. Please note that this program is funded by the Fralin Life Sciences Institute at Blacksburg and NOT the Fralin Biomedical Research Institute at Roanoke. For opportunities at Roanoke, see the next section (section 2.2) for more information.

2.2 Other Summer Research Programs Funded by Fralin Biomedical Research Institute at Roanoke
The two programs at Roanoke are listed below and are not to be confused with the Fralin Summer Undergraduate Research Fellowship (SURF) at Blacksburg (see section 2.1). Please go to the respective website for more information, click here to see the Translational Neurobiology Research Fellowship, and click here to see the Molecular Visualization Undergraduate Research Fellowship.

3.1 Dynamic Experiences in Neuroscience to Diversify Research Internship Training Exposures for Students (DENDRITES)
The program aims at encouraging and supporting the research and career development of students interested in basic, clinical, and translational neuroscience. Click here to learn more about the program. The deadline is Feb. 1, 2022.

3.2 Biomedical Research Program at the University of Nebraska Medical Center
The program is a 10-week hands-on laboratory-based biomedical research experience for undergraduates. Applicants interested in pursuing medical school can apply to the clinically relevant programs while applicants that plan to attend graduate school are encouraged to apply to any of the basic and translational research programs Click here to learn more about the program. The deadline is Feb. 15, 2022.

3.3 Molecular Engineering Summer Research Program at UChicago
This program focuses on quantum engineering, material systems for sustainability and health, and immune engineering research. Click here to learn more about the program. The deadline is Feb. 15, 2022.

3.4 Research Experiences for Undergraduates in Physics
Possible research areas in this program include Experimental and Theoretical Condensed Matter Physics, Experimental and Theoretical Elementary Particle Physics, Non-linear Dynamics and Chaos, Space and Cosmic Ray Physics, Theoretical and Observational Astronomy, and Astrophysics, Experimental Atomic Physics & Ultracold Atoms, Experimental Biophysics. Click here to learn more about the program. The deadline is Feb. 15, 2022.
3.5 EDGE Summer Research Program at UNC School of Medicine
EDGE is an innovative 2-year summer program for undergraduate students who are interested in careers in genomics. The program is aimed at freshman and sophomore undergraduate students. Click here to learn more about the program. The deadline is Feb. 28, 2022.

3.6 Research Experience for Undergraduates in Molecular Genetics and Cell Biology
Current faculty in the Department of Molecular Genetics and Cell Biology work on fundamental problems in biology using a wide range of model systems including viruses, bacteria, protozoa, fungi, plants, nematode worms, fruit flies, fish, and mice. The Department offers an exciting opportunity for talented undergraduates to acquire experience in research. Click here to learn more about the program. The deadline is Feb. 7, 2022.

3.7 GeoCaFES (Communities and Future Earth Scientists) Summer Bridge Program
The program is designed to help students gain research experience and explore careers in the Earth and Environmental Sciences. The theme of this summer’s research program is “Redefining Geosciences: What Does it Mean to be a Geoscientist?” Click here to learn more about the program. The deadline is Mar. 4, 2022.

3.8 Agroecology Extension (AX) Summer Research Fellowship
Selected fellows will be matched with mentors engaged in various agroecological extension research projects including in pest management, agronomy, vegetable/berry farming, fruit tree farming, or field crop and soil management. Click here to learn more about the program. The deadline is Mar. 4, 2022.

3.9 TECH SCEnE – Technology, Science, and Community Engagement in Engineering Research Program
The program combines engineering research with direct community involvement and impact. Each project will team the students with mentors at Michigan Tech and the Natural Resources Department at the Keweenaw Bay Indian Community. Projects include water quality testing for heavy metal contamination, smart adhesives for underwater applications, remote monitoring, and mobile robots, simulating daylight for hatcheries, and in vitro modeling of the impact of heavy metals. Click here to learn more about the program. The deadline is Mar. 1, 2022.

4.1 The Festival of Genomics and Biodata
This program brings researchers and clinicians together to discuss the latest genomics research from around the world and is free for most attendees. Registration Required. Click here to learn more about the program. The deadline is Feb. 11, 2022.

4.2 University Innovation Fellows
This is a program out of Stanford that empowers students to become peer educators and agents of change. Following an intensive, 6-week training program, UIF students take what they have learned to address needs at their schools. Interested students will need a faculty member to nominate them for applications. Click here to learn more about the program. The deadline is Feb. 4, 2022.

4.3 Responsible Conduct of Research
The Research Integrity Office offers training relating to conducting ethical research. Click here to learn more about the training and watch previous Investigator Series Presentations on the Division of Scholarship Integrity and Research Compliance's video channel.

6. Paper Opportunities
• African Journal of Inter/Multidisciplinary Studies (AJIMS), Durban University of Technology (DUT) | Deadline February 7, 2022
• Journal of Undergraduate Research (JUR), University of Rochester | Deadline February 10, 2022
• The Virginia Journal of Business, Technology, and Science, Eastern Mennonite University | Deadline n/a

Do you like this newsletter?

Let us know by taking this quick survey!

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