Hi Hokies! We wish you the best of luck wrapping up the semester and on your final exams. This newsletter covers a fellowship/funding opportunity for students doing undergrad research in the spring or summer of 2022. The newsletter also covers research opportunities for undergrads in the areas of translational obesity, agricultural science, education, genomics, neuroscience, neuroscience publication, biomedical cancer research, medicine, cellular and molecular biology, STEM education, chemistry, life sciences, mathematics, and physics. Some of the opportunities are open to international students as well.

Office Hour:
No more office hours this year! Enjoy the holiday! If you are desperately looking for help with undergrad research, we can still be reached at  ugr@vt.edu until Dec. 22, 2021. Otherwise, we can't wait to see you in 2022!

Poll Time:
We've changed a few things for the latest editions to optimize the reading experience. Let us know what you think by taking this quick survey!

In today's edition:

1. Opportunities at VT
   1. Translational Obesity Undergraduate Research Scholar
   2. The Multicultural Academic Opportunities Program (MAOP)
   3. Undergraduate Researchers in the Career and Technical Education - Agricultural Education ** US work authorization is not required**
   4. Giovanni-Steger Poetry Prize

2. Opportunities Beyond VT
   1. Advancing Research on Cancer (GW-SPARC)
   2. Genomics Research Program
   3. Neuroscience Research Internship **Open to international students**
   4. Research in Interdisciplinary STEM Education (RISE)
   5. PathMaker Scholars Cancer Research Program
   6. Barrow Neurological Institute Summer Undergrad Program **open to international students**
   7. Sanford Research Programs in Cellular and Molecular Biology, and Biomedical Research Program **open to international students**
   8. Summer Program in Cancer Research (SPCR) at MDACC
   9. Summer Research Internship Program (SRIP) at the University of Virginia School of Medicine

3. Fellowship
   1. ICTAS Undergraduate Research Fellowship Program
1.1 Translational Obesity Undergraduate Research Scholar
The TOUR-Scholars Program is a research-intensive summer experience, preparing students for graduate and medical education in translational obesity research. The deadline is January 18, 2022. Click here to learn more about the program.

1.2 The Multicultural Academic Opportunities Program (MAOP)
The MAOP program provides undergraduates from diverse backgrounds an opportunity to conduct research on campus and to educate participants about graduate education. The deadline is February 21, 2022, by 5 p.m. Click here to learn more about the program.

1.3 Undergraduate Researchers in the Career and Technical Education - Agricultural Education
Dr. Natalie Ferand is looking for two undergraduate research assistants to design, plan, and execute a research project by working with current agriscience teachers from across the nation. The deadline is January 14, 2022. Click here to learn more about the program.

1.4 Giovanni-Steger Poetry Prize
The committee is still accepting poems and applications. The deadline is December 20, 2021, by 11:59 pm. Click here to learn more about the program.

2.1 Advancing Research on Cancer (GW-SPARC)
The GW-SPARC program engages diverse undergraduates in a mentored summer research experience at the George Washington University (GW) Cancer Center. This program is intended for undergraduates considering Ph.D. training and a career in research. The deadline is February 1, 2022. Click here to learn more about the program.

2.2 Genomics Research Program
The program is accepting applications for its Undergraduate Scholars Summer 2022 Program with an application deadline of February 15th and its Post-Baccalaureate Extensive Study 2022-2023 Program with a deadline of April 15th. The program focuses on providing students interested in pursuing their Ph.D. with interdisciplinary research in genomic sciences by allowing students to choose from over 30 labs at Washington University.
2.3 Neuroscience Research Internship
The program aims to support college students from diverse backgrounds who seek to pursue doctoral (Ph.D.) training in neuroscience and prepare for rewarding careers in biomedical research, education, and enterprise.
The deadline is **February 1, 2022**. Click [here](#) to learn more about the program.

2.4 Research in Interdisciplinary STEM Education (RISE)
The program is a 9-week residential summer research experience for undergraduate students in chemistry, education, life sciences, mathematics, or physics. Participants will join interdisciplinary teams mentored by faculty to investigate STEM learning across formal and informal environments with a focus on understanding issues related to inclusivity and diversity in STEM.
The deadline is **February 15, 2022**. Click [here](#) to learn more about the program.

2.5 PathMaker Scholars Cancer Research Program
The program seeks to increase the participation of underrepresented students in biomedical cancer research and to encourage them to prepare for careers in research, medicine, and education.
The deadline is **February 4, 2022**. Click [here](#) to learn more about the program.

2.6 Barrow Neurological Institute Summer Undergrad Program
The program is looking for candidates with interests in the Marketing Department, Neuroscience Publications Department, and the Barrow Foundation. Internships also are available in basic science, communications, philanthropy, and disease-relevant neuroscience areas.
The deadline is **January 31, 2022**. Click [here](#) to learn more about the program.

2.7 Sanford Research Programs in Cellular and Molecular Biology, and Biomedical Research Program
The program provides two research tracks.
a. REU Site in Cellular and Molecular Biology
b. Pediatric Biomedical Research Program
The deadline is **January 31, 2022**. Click [here](#) to learn more about the program.
2.8 Summer Program in Cancer Research (SPCR) at MDACC
Selected students will undertake hypothesis-driven, project-based investigations and attend a weekly lunch lecture series covering topics such as DNA structure and repair, epigenetics, stem cells, signal transduction and apoptosis, and emerging analytical techniques. The deadline is January 20, 2022. Click here to learn more about the program.

2.9 Summer Research Internship Program (SRIP) at the University of Virginia School of Medicine
The program provides an immersive, ten-week, hands-on research experience investigating current problems in biomedical research under the guidance of a faculty member. A professional development series highlighting the opportunities that exist for careers in biomedical sciences. The deadline is February 1, 2022, by 11:59 PM. Click here to learn more about the program.

3.1 ICTAS Undergraduate Research Fellowship Program
The goal of the program is to enable students to extend their current research projects and experience a step further with independent funding, so that they can devote additional time to their project, under the supervision of their chosen mentor. Research can be in any field of study and students from all majors are eligible for the program.

Application review begins on January 5, 2022. Decisions will be made and applicants notified no later than January 18, 2022. Awards are to fund projects in the spring or summer of 2022. Click here to learn more about the program. Please direct any questions to Keri Swaby at kswaby@vt.edu.

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