Happy Holidays, dear Hokies! And welcome to the first edition of OUR newsletter for students in 2022. With personal and professional development in mind, we’re spending a good chunk of today’s newsletter offering a recap of undergraduate research-related opportunities we've included in the past editions for your New Year’s Resolutions, in addition to the new stuff. We will see you soon with our regular delivery and layout.

The opportunities provided span the fields of Agriculture, Biology, Cardiovascular, Cancer and Biomedical Research, Chemistry, Computer Science, Conservation, Creativity, Cyber Security, Data Science, Education, Environmental Science, Genomics, Natural Resources Management, Neuroscience, Technology, and Interdisciplinary programs. This newsletter ends with professional development, paper, and presentation opportunities in undergrad research.

Pro Tips:
1) See those ending with asterisks for research programs outside of VT accepting applications from international students.
2) If you haven’t found the program that interests you, don't forget to check the searchable databases on our website and on PathwaysToScience for more opportunities.
3) Like always, if you ever need help with undergraduate research, we can be reached at ugr@vt.edu.

In today's edition:
1. What's New?
   1.1 Institute for Critical Technology and Applied Science (ICTAS) Fellowship Program | Deadline Jan. 5, 2022
What's New?

1.1 Institute for Critical Technology and Applied Science (ICTAS) Fellowship Program | **Deadline Jan. 5, 2022**

The program supports early-career undergraduates involved in mentored research at Virginia Tech. 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. Click [here](#) to learn more about 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.

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1.2 Summer Program in Cancer Research at MD Anderson Cancer Center | **Deadline Jan. 7, 2022**

The Department of Epigenetics and Molecular Carcinogenesis (EMC) holds a National Institutes of Health/National Cancer Institute-sponsored Summer Program in Cancer Research (SPCR) to provide an authentic research
experience for outstanding undergraduate students considering careers in biomedical research. Click here to learn more about the program.

1.3 QuestionPro's Academic Research Spotlight Award | Deadline Jan. 10, 2022
The winning researcher(s) for QuestionPro's Inaugural Academic Research Competition for 2022 will be given an opportunity to present a summary of their work during a live webinar as well as have their experience and findings included in QuestionPro’s monthly newsletter and a blog post on QuestionPro’s website. The deadline for expressing interest is January 10, 2022. Please click here to learn more about the program.

2. Recap of Opportunities at VT
- Apply to be Undergrad Researchers in the Career and Technical Education - Agricultural Education | Deadline Jan. 14, 2022
- Translational Obesity Undergraduate Research Scholar | Deadline Jan. 18, 2022
- ACC Meeting of the Minds Conference | Deadline Jan. 31, 2022
- Department of Defense Cyber Scholarship Program with the Virginia Tech Hume Center for National Security and Technology | Deadline Feb. 1, 2022
- The Multicultural Academic Opportunities Program (MAOP) | Deadline Feb. 21, 2022
- Fralin Summer Undergraduate Research Fellowship (SURF) | Deadline Feb. 27, 2022
- Undergraduate Research Mentor Award Nomination | Deadline Mar. 5, 2022
- Dennis Dean Undergraduate Research and Creative Scholarship Conference | Deadline Apr. 10, 2022
3. Recap of Opportunities Beyond VT

- Biomedical Research Program with Hutchinson Cancer Research Center | Deadline Jan. 14, 2022
- CSLI Interdisciplinary Summer Program at Stanford University | Deadline Jan. 15, 2022 **
- Interdisciplinary Summer Opportunity for Academic Research at Emory Laney Graduate School | Deadline Jan. 17, 2022, at 11:59 PM EST. **
- Summer Program in Cancer Research (SPCR) at MDACC | Deadline Jan. 20, 2022
- VCU Health Pauley Heart Center's 2022 Summer Undergraduate Cardiovascular Research Fellowship | Deadline Jan. 25, 2022 **
- Sanford Research Programs in Cellular and Molecular Biology, and Biomedical Research Program | Deadline Jan. 31, 2022 **
- Barrow Neurological Institute Summer Undergrad Program | Deadline Jan. 31, 2022 **
- National Park Service Natural Resources Management Fellowship | Deadline Jan. 31, 2022
- Advancing Research on Cancer (GW-SPARC) | Deadline Feb. 1, 2022
- Biomedical Sciences Internship Research Program at Van Andel Institute (VAI) | Deadline Feb. 1, 2022 **
- Neuroscience Internship Program (SNIP) with the University of Florida | Deadline Feb. 1, 2022
- Neuroscience Research Internship with the University of Florida College of Medicine | Deadline Feb. 1, 2022 **
- The Doris Duke Conservation Scholars Program | Deadline 11:59 pm PST on Feb. 1, 2022
- PathMaker Scholars Cancer Research Program | Deadline Feb. 4, 2022
- i-Scholars Program with the University of Rochester Chemistry Department | Deadline Feb. 7, 2022 **
• **Research in Interdisciplinary STEM Education (RISE)** | **Deadline Feb. 15, 2022**

• **Summer Education Research Program (SERP) - School of Education and the University of Wisconsin-Madison’s Graduate School** | **Deadline Feb. 15, 2022**

• **Summer Research Internship Program (SRIP) at the University of Virginia School of Medicine** | **Deadline Feb. 15, 2022 by 11:59 PM**

• **Research on the Chesapeake Bay with the University of Maryland Center for Environmental Science** | **Deadline Feb. 15, 2022**

• **Data Science in Agriculture Experiential Research Program at Purdue University** | **Deadline Feb. 28, 2022**

• **Medical Student Research Internship at Van Andel Institute (VAI)** | **Deadline rolling through Mar. 1, 2022, until filled **

• **Genomics Research Program** | **Deadline Apr. 15, 2022**

### 4. Call for Submissions

- **Call for Papers**, Middle Atlantic Council of Latin American Studies Conference | **Deadline January 7, 2021**
- **Call for Proposals**, 2022 American Political Science Association Annual Meeting | **Deadline January 18, 2022**
- **NSF Opportunity**, Partnerships for Research and Education in Physics | **Deadline January 21, 2022**
- **Call for Papers**, Sigma Xi Society Re-envisioning STEM Education and Workforce Development for the 21st Century | **Deadline January 23, 2021**
- **Call for Papers**, Environmental Science and Technology | **Deadline January 31, 2022**
- **Call for Papers**, *The Reed Undergraduate Journal of Existentialism*, St. Olaf College | **Deadline January 31, 2022**
- **Call for Papers**, 2022 Virtual International Conference on Social Media and Society | **Deadline January 31, 2022**
5. Professional Development Opportunities at VT

ALS 2604: Intro to Interdisciplinary Research Practices Undergraduate Research Course
The class will be offered T/TH 3:30-4:45 in Newman Library Classroom 101S. The course fulfills a Pathways 1a requirement and is designed to provide students with an introduction to formal research practices and basic research methods. Students who take this course will:

- Engage in interdisciplinary collaboration via team research projects
- Apply problem-solving skills in a diverse group setting
- Present research to faculty and peers in a professional setting (resume building)
- Develop a competitive edge for undergraduate research opportunities

The Advanced Research Skills (ARS) Workshops
The Advanced Research Skills (ARS) is a 6 workshop, comprehensive online undergraduate research series that was created by University Libraries in partnership with the Office of Undergraduate Research. ARS offers students a chance to practice high-level research skills like applying for grant funding, designing effective research posters, or communicating their research to others outside of their field. You can sign up for the ARS workshops here.

Students who successfully complete the program will receive points counting toward the university’s Undergraduate Research Excellence Program (UREP) and receive a graduation cord with a total of 50 points. Learn more about the UREP program here.

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