Hi Hokies! Don’t be alarmed, but we’ve moved some things around for today’s edition to optimize the reading experience. Let us know what you think by taking this quick survey! Thank you for your long-standing support and we wish you good lucks with the upcoming finals.

Last Office Hour of the Year:
Tuesday, December 7 from 8 to 9 am will be the last chance of the year for you to talk to our student ambassador at 104 Burruss Hall or virtually via Zoom. Contact Nicole at nicoleje@vt.edu for questions.

In today’s edition:
1. Research Opportunities at VT with Dr. David Gray
   1. Design and Research of Nonverbal Driver Communications Systems
   2. Autonomous Image Processing
2. Summer Research Programs
   1. i-Scholars Program with the University of Rochester Chemistry Department
      **Accepting International Students**
   2. Neuroscience Internship Program (SNIP) with the University of Florida
   3. Research on the Chesapeake Bay with the University of Maryland Center for Environmental Science
   4. Biomedical Research Experience with Hutchinson Cancer Research Center
3. All Year Round Research Programs
   1. Multidisciplinary Research Internships in Applied Marine & Terrestrial Conservation with the Archipelagos Institute of Marine Conservation
4. Professional Development Opportunities with VT Library
   1. Undergraduate Research Course
   2. Undergraduate Research Workshops
5. Run-down of Presentation & Paper Opportunities

1.1 Design and Research of Nonverbal Driver Communications Systems
Dr. David Gray is looking for a Psychology, Design, or other student for a for-credit research position. Working with a team to design an experiment to better understand how drivers can communicate with those around them other than by using a traditional horn. The student would be working on a team with engineering students.
Read More

1.2 Autonomous Image Processing
Dr. David Gray is looking for a student with image processing skills, and perhaps some AI experience. We’re trying to develop a technique to determine characteristics of flora in a landscape using overhead images captured on a custom-built drone. The student would be working primarily with a Physics major, but also with Engineering students.
Read More
2.1 i-Scholars Program with the University of Rochester Chemistry Department
This highly competitive program is designed to provide promising undergraduates in Chemistry from all over the world the opportunity to conduct first-class research at the University of Rochester. The program is meant for outstanding students that intend to enter a Ph.D. program in any area of Chemistry in the Fall of 2023 or earlier. The deadline is February 7, 2022.
Read More

2.2 Neuroscience Internship Program (SNIP) with the University of Florida
The deadline is February 1, 2022.
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2.3 Research on the Chesapeake Bay with the University of Maryland Center for Environmental Science
The deadline is February 15, 2022.
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2.4 Biomedical Research Program with Hutchinson Cancer Research Center
The program is an intensive, 9-week internship designed to provide research experience and mentorship for rising-senior undergraduate students who are interested in biomedical research. The deadline is January 14, 2022.
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3.1 Multidisciplinary Research Internships in Applied Marine & Terrestrial Conservation
Archipelagos Institute of Marine Conservation is committed to researching and defending the biodiversity of the Greek seas and islands. The internship program provides on-site & remote
positions that are still available all year round in the fields of Marine Mammal Research & Conservation, GIS & Remote Sensing, Marine Ecology, Microplastics Research, Terrestrial Conservation, Environmental Law & Policy, Media, PR & Graphic Design, Environmental Education.

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4.1 Undergraduate Research Course
ALS 2604: Intro to Interdisciplinary Research Practices 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

4.2 Undergraduate Research 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. 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.
Sign-up here: https://guides.lib.vt.edu/arsp

5. Run-down of Presentation & Paper Opportunities
- **NSF Opportunity**, Cyberinfrastructure for Sustained Scientific Innovation | Deadline December 8, 2021
- **Posters on the Hill 2022 Submissions Deadline**, December 13, 2021
- **Call for Papers**, Education in the Age of Misinformation | Deadline December 15, 2021
- **Call for Submissions**, Second Railroads in Native America Gathering and Symposium | Deadline December 15, 2021
- **Call for Abstracts**, APS April Meeting | Deadline December 20, 2021
- **NSF Opportunity**, Biological Oceanography | Deadline December 31, 2021
- **Call for Papers**, MACLAS Conference 2022 | Deadline January 7, 2021
- **Call for Abstracts**, AEESP 2022 Research and Education Conference | Deadline January 14, 2021
- **Call for Proposals**, 2022 APSA 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

Do you like the new setup? Let us know what you think by taking this [quick survey](#)!

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