Hi,

We will be launching a new format for this newsletter in the coming weeks. Please let us know what you think about the current newsletter and or suggestions you have by filling out a survey (take less than 5 mins to complete)! Until then, here's what's included in this week's newsletter:

1. OUR Office Hours this week
2. Apply to be an OUR Ambassador TODAY!
3. Beckman Scholars Program
4. Caltech WAVE Fellows Undergraduate Research Program
5. VR-REU: Research Experience for Undergraduates in Immersive 3D Visualization
6. Division of Scholarly Integrity and Research Compliance’s Fall Investigator Series
7. Internships with University Corporation for Atmospheric Research
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13. Undergraduate Research Scholarship Opportunities- Apply today!
14. Wake Forest School of Medicine 2022 REU Summer Internship Program
15. Come get your free LinkedIn profile photo taken at the Smith Career Center!
16. Ph.D. Program in Biomedical Sciences at St. Jude Children’s Research Hospital
17. Call for Submission & Open to All Majors! The National Conference on Undergraduate Research
18. National Undergraduate Presentation and Paper Opportunities
19. National Undergraduate Internship and Research Opportunities

1. OUR Office Hours this week
OUR Ambassadors are here to help you navigate undergraduate research. Drop by their weekly office hours either face-to-face or virtually and ask questions or get advice and support. This week’s office hour is taking place on Monday, November 8, from 4-5 pm, in Burruss Hall, Suite 104 or via zoom at: virginiatech.zoom.us/my/research (Personal ID number: 540 231 3580)

Learn about the ambassadors and find all of their Fall drop-in office hours on their webpage.

Next week’s office hours will be Tuesday, November 16, from 8-9 pm.
2. Apply to be an OUR Ambassador TODAY!
Are you passionate about undergraduate research and want to share that with other students while helping them to navigate their own research journey? Apply to be an OUR Ambassador today! The Office of Undergraduate Research (OUR) is looking for experienced research students who will be the “face” of the Office. For more information click HERE. Access the online application form HERE.

3. Beckman Scholars Program
The Beckman Scholars Program, supported by the Arnold and Mabel Beckman Foundation, is a 15-month mentored research experience for exceptionally talented, full-time undergraduate students in chemistry, biological sciences, or biochemistry at Virginia Tech. Each year, two students will be selected to participate in this prestigious and comprehensive program, which includes a fully-funded research experience with an exemplary mentor and unique programming in communication, leadership, grantsmanship, and diversity and inclusion awareness.

Eligibility Requirements
• Must be a full-time Virginia Tech sophomore in the spring 2022 semester
• Must be majoring in Chemistry, Biology, or Biochemistry
• Must be a citizen or permanent resident of the United States or its territories

Applications are being accepted NOW through January 10, 2022. Learn more and apply on the program website. Please direct any questions to Amanda Morris (email: ajmorris@vt.edu).

4. Caltech WAVE Fellows Undergraduate Research Program
Caltech’s WAVE Fellows program aims to foster diversity by increasing the participation of students historically marginalized in science and engineering Ph.D. programs and making Caltech’s programs more visible and accessible to students not traditionally exposed to Caltech. The program is extended, but not limited, to racially minoritized communities, women (in certain fields), first-generation college students, geographically underrepresented students, educationally or financially disadvantaged students, and students with disabilities. WAVE Fellows will have the opportunity to conduct research under the guidance of Caltech faculty working at the frontier of their fields.

Click here to learn more. Applications are due on or before January 9.
5. VR-REU: Research Experience for Undergraduates in Immersive 3D Visualization, 8-Weeks, Paid Research, June 6 – July 29, 2022

The VR-REU program in immersive visualization and virtual/augmented/mixed reality (VR/AR/MR) will involve 10 students per summer directly in multidisciplinary research projects. Participants will be provided training in immersive 3D visualization tools and technologies. Participants will gain hands-on experience doing creative VR/AR/MR and 3D Visualization projects. Students will participate in mentored research projects in data-driven research areas, including scientific visualization and visual analytics. Some of the planned research projects include VR for aiding students with learning disabilities, MicroRNA (Ribonucleic Acid) as a regulator for cell lineage plasticity, immersive remote telepresence, indoor robot navigation along with 3D object identification, sonifying the microbiome, and VR for improving inter-personal skills in STEM (Science, Technology, Engineering, and Mathematics) students.

Click [here](#) to learn more.

6. Division of Scholarly Integrity and Research Compliance's Fall Investigator Series

This fall, the Division of Scholarly Integrity and Research Compliance is hosting events as part of the Investigator Series. In addition to providing enrichment opportunities for researchers, all Investigator Series events provide Responsible Conduct of Research training credit hours toward the National Institute of Health’s 8-hour in-person training requirement.

Event topics include:
- Communicating Science with the Public
- Authorship Ethics for Research and Scholarly Publications
- Moving to a World Beyond "p<0.05": A Discussion about Statistical Significance
- Half-Day Responsible Conduct of Research Workshop: Moving From Conflict to Collaboration in Research
- Data Organization in Spreadsheets: Enabling Reproducibility and Replicability in Research Abstract
- Future Use and Ownership of Biospecimens in Human Subjects Research

Click [here](#) to learn more.

7. Internships with University Corporation for Atmospheric Research
Paid internships for undergraduates and graduate students at UCAR focus on broadening participation in the Earth system sciences and related fields, including computational science.

Click here to learn more.

8. Internships with National Center for Atmospheric Research
What will your future hold? NCAR’s internships can help you explore your options in the Earth system sciences and pursue pathways to get you there. We have opportunities for high school, undergraduate, and graduate students who are interested in science, technology, engineering, mathematics, and related STEM disciplines.

Click here to learn more.

9. National Academy of Inventors (NAI) - Accepting nominations to celebrate the rising stars of innovation to the NAI Senior Members program

The deadline for nominating a Senior Member is December 17, 2021, for election in February. The February 2022 elections will be the ONLY election for NAI Senior Members until February 2023, to allow for the implementation of program changes. We hope you take advantage of the opportunity to nominate the innovators in your community. The Class of 2022 Senior Member Induction Ceremony will be taking place during the NAI Annual Meeting in June (6/12/22) in Phoenix, AZ.

Nomination Criteria:

- Nominee must be part of NAI Member Institution
- Nominee must be in professional practice or research in his/her current field for at least seven years
- Must hold at least one issued (1) U.S. patent that has been licensed or commercialized and/or possess five (5) or more issued U.S. patents

Click here to learn more. If you have any questions, please contact Cheryl Hedrick, Membership Programs Manager at Chedrick@academyofinventors.org.

10. Mean, Green, Recycling Machines: Undergraduate Scholarship Competition
The Department of Energy (DOE) is investing $25 million to focus on polymer upcycling and plastic waste reuse. This research aims to develop technologies that will increase the use of plastic waste and lower the expense associated with plastic production. Polymer upcycling has the potential to convert plastic waste into chemicals, fuels, and other valuable products. Recycling has evolved from being an in-home process out of necessity to be a process valued by businesses, schools, and the government.

The Oak Ridge Institute for Science Education (ORISE) is hosting a research-based challenge for undergraduate students! The challenge is for students to develop a website on plastic recycling. Students will research their schools' current process for recycling plastic and then design/create a strategy to make the process more efficient. Thorough submissions will include further research on the plastic recycling process, benefits of current recycling methods, and process improvement ideas. Your website could win you a $5,000 scholarship! Second place receives a $3,000 scholarship, and third place is a $1,000 scholarship. The deadline for this competition is 11:59 p.m. Eastern Daylight Time on Tuesday, November 30, 2021. Winners will be announced in late December.

Click here to learn more and apply.

11. Science Management and Policy Internship
Are you graduating or a recent graduate looking for an opportunity in science policy or management? Apply to join the Maryland Sea Grant team as a Science Management and Policy Intern. This one to the two-year internship will offer experience working with an environmental-focused university organization dedicated to research, education, and outreach. This position will provide fundamental training for interns to transition to graduate school or the private, non-profit, or governmental sectors. As part of the internship, you will be expected to complete 2-3 special projects, participate in several professional development training, and contribute to the administration of our main office.

This internship will be for one year with the option to renew for a second year. The internship is a full-time, 40 hours per week, Contractual Contingent 2 position at Maryland Sea Grant’s office in College Park, Maryland. The intern will be paid an annual salary of $35,000 as well as limited benefits including health insurance, tuition remission, and generous leave. In early 2022, it is expected that the internship will be a mix of in-person and remote work.

The deadline is Friday, January 7, 2022. Learn more about the position and application on our website or reach out to us at mdsg.research@umd.edu. The anticipated start date for this position is February 2022.
12. Resources and the Environment, People, Country Analysis Undergraduate Poster Session
Undergraduate Poster Session analyzing 30 different countries on issues related to Energy, Water, Resources and their Environmental and Social impacts

13. Undergraduate Research Scholarship Opportunities- Apply today!
Applications are now being accepted for two scholarship opportunities through the Office of Undergraduate Research:
**The Dennis Dean Undergraduate Research Scholarship** recognizes students who engage in research. One awardee each semester will be selected to receive a scholarship in the amount of $1,000. Eligibility: VT undergraduate student in any major who is participating in mentored undergraduate research at Virginia Tech.

**The Jacklyn W. and William R. Jones, Jr. Experiential Learning Scholarship** recognizes students who engage in experiential learning opportunities. One awardee each semester will be selected to receive a scholarship in the amount of $1,000. Eligibility: VT undergraduate student in any major who is participating in guided experiential learning opportunities at Virginia Tech including, but not limited to: study abroad, unpaid internships with nonprofits or NGOs, undergraduate research opportunities, etc. Preference will be given to students whose experience combines more than one mode of experiential learning, such as research abroad.

*Important note: students will need to complete the new General Application, a brief application housed in USFA before they will be able to complete supplemental apply-to-scholarship applications.

Spring application period: November 1, 2021 - **November 30, 2021**

Apply at Scholarship Central.

These scholarships will also be offered for the Summer. Get more information [HERE](#).

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**14. Wake Forest School of Medicine 2022 REU Summer Internship Program**

The Department of Biomedical Engineering and Center for Biomedical Informatics at Wake Forest School of Medicine invites current undergraduate students to apply for our Annual Biomedical Engineering and Informatics Summer Research Internship Program. Underrepresented minorities (URM) and students from colleges with limited research opportunities in science, technology, engineering, and mathematics (STEM) are *highly* encouraged to apply.

Our summer program will run for 10 weeks (May 29th-August 6, 2022) and offer students opportunities to pursue research related to Imaging- and Mechanics-based projects on Accidental Cases of Trauma (IMPACT) and other biomedical engineering and informatics-based topics listed below.

Exciting research opportunities include the following biomedical engineering and informatics topics:

- Injury prediction model development
- Finite element modeling techniques applied to trauma
- Military, sports, and spaceflight safety
• Osteoporosis prevention
• Biomechanical characterization of injury mechanisms
• Diagnostics and therapies for cancer patients
• Biomedical informatics
• Development and use of machine learning-based algorithms
• Medical device testing and prototyping

The program is accepting applications until **February 15, 2022**. View the attached flyer for additional details and click [here](#) to learn more.

15. **Come get your free LinkedIn profile photo taken at the Smith Career Center!**

LinkedIn Photo Lab, Wednesday, Nov. 10, 10 AM – 1 PM, Smith Career Center

Career and Professional Development is hosting a LinkedIn Photo Lab where students can get their LinkedIn headshot taken for FREE. No registration is required, students will be seen on a first-come, first-served basis. Students are encouraged to wear business casual/business professional attire from the waist up for their picture. LinkedIn Photo Lab will be postponed in the event of rain. Click [here](#) to learn more.

16. **Ph.D. Program in Biomedical Sciences at St. Jude Children’s Research Hospital**

Apply by December 1 – No application fee & No GRE required!

**Excellent Science**
- More than 40% fund rate for student NIH F31 Proposals!
- Full use of 30+ innovative Core Facilities.
- Students publish 2 manuscripts.
- Mentors are top scientists from around the globe.
- Wide range of research topics from basic through translational research

**Stipend & Benefits at the leading edge**
- Minimum 1st-year stipend of $39000.
- Excellent health insurance included.
- Funding provided by the Graduate School, independent of the Dissertation advisor.
- Annual research and travel budget, starting with $7500 in the first year and reaching up to $20000 for more advanced students.
- One time, $5000 training budget for special short-courses or similar experiences.

**Innovative Mentoring & Training**
- Two faculty mentors – Basic science and Clinical – assigned to first-year students
One year of coursework, a series of current research-focused and foundational skill-building. Clinical and Translational Research course builds understanding of our mission and connections with patients and families while focusing our research purpose.

- Three 6-week rotations during the first year, between courses.
- Science Communications course focuses on preparation for submission of the NIH F31 proposal and strategies for communicating across audiences.

Close-knit Community

- All first-year students take the same courses, collaborating and teaching one another in those courses, taking advantage of everyone’s strengths.
- First-year student offices are co-located with Graduate School staff and support services.
- Our Activities Center has a pool table, air hockey, gaming stations, a kitchen with free coffee, and more!
- Get involved with the Graduate Student Association and all of the groups and opportunities at St. Jude.
- Take advantage of free parking, free gym access, and shuttle services.
- Monthly Associate Dean’s Tea gives students an opportunity to gather, share concerns, and problem-solve collaboratively with leadership.
- Support provided by 2 Associate Deans, an Assistant Dean, and 3 additional full-time staff. Questions? Want some advice? Dr. Vess would love to hear from you!!! tomalei.vess@stjude.org

17. Call for Submission & Open to All Majors! The National Conference on Undergraduate Research
The new submission deadline is November 29! But don't drag your feet! Click here to learn more.

18. National Undergraduate Presentation and Paper Opportunities
Please note that this list is constantly being updated as new opportunities become available and are presented by the deadline and not in order of receipt.

NOTE: A "call" is academic-speak for an invitation to submit your work to be considered for presentation at a conference or in a journal or maybe for some kind of competition. So, a "call for papers" means that a professional organization or similar body is asking people to submit original, scholarly articles for review and consideration for publication (www.quora.com). An "abstract" is a short summary of a research project so a "call for abstracts" usually implies that you will be submitting a short summary of your research project in order to be considered as a presenter at a conference.
• **Call for Abstracts**, 2022 Indigenous Borderlands in North America Symposium, University of New Mexico | **Deadline November 10, 2021**
• **Call for Proposals**, “Literary Geographies: Space, Place, and Environments”; Conference on Christianity and Literature, Biola University | **Deadline November 15, 2021**
• **Call for Proposals**, The Conference on Christianity and Literature, Literary Geographies – Space, Place, and Environments | **Deadline: November 15, 2021**
• **Call for Submissions**, Second Railroads in Native America Gathering and Symposium | **Deadline December 15, 2021**
• **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**
• **Call for Submissions**, JOSHUA: *Journal of Science and Health*, University of Alabama | **Deadline February 28, 2022**

19. **National Undergraduate Internship and Research Opportunities**

*Please note that this list is constantly being updated as new opportunities become available and are presented by the deadline and not in order of receipt.*

• **Visiting Scientist Program**, Counterterrorism, and Forensic Science Research Unit, FBI | **Applications reviewed on a rolling basis**

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Share your thoughts with us by taking this [short survey](#) (less than 5 min to complete)!

Have a great week!
Best,
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