



Research Club January Updates

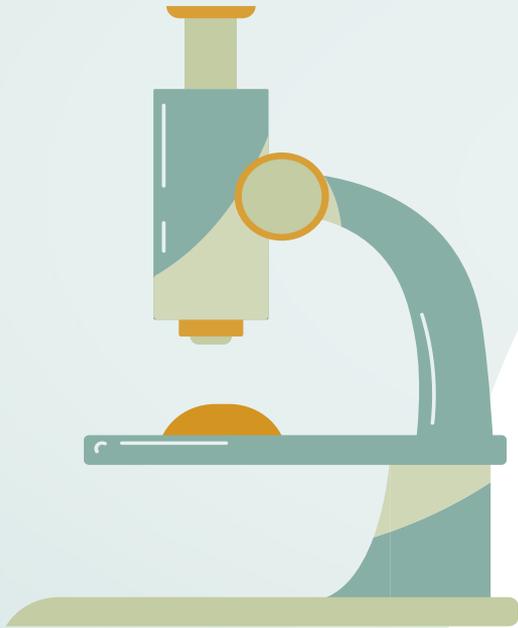
2021-22

OPPORTUNITIES

2021-22 Year



Agenda



- Exploravision January 31st deadline
- Genes in Space opens January 13
- Brain Bee/mentorship
- Science Fair Registration

Exploravision



- Select a technology, research how it works, why it was invented, and predict how that technology could be improved in the future
- Create multimedia presentations through websites, papers, posters, prototypes
 - Prizes include: \$10,000 and \$5000 awards
- All-expenses paid trip to Washington D.C. for awards weekend
 - Grades 7-9
 - Grades 10-12
- Please reach out ASAP with a solid project entry idea and a list of team members who will work with you.
 - DUE JANUARY 31st, 2022

Genes in Space

- Design a research project/scientific experiment that could be conducted in space related to DNA/genetics
 - Finalists receive mentorship & opportunities to present the proposal for a chance to become a winner (actually have the experiment conducted at the ISS)
- Applications for the 2022 competition opens JANUARY 13TH, 2022. If interested, please form teams (members can attend different schools).



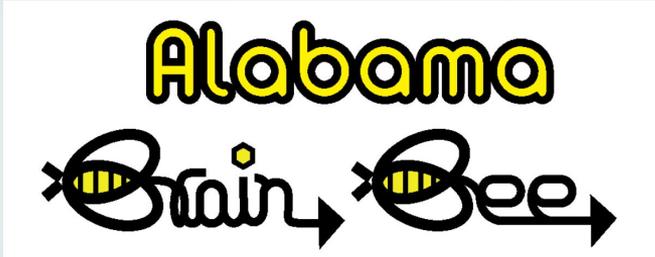
Genes in Space-3

Collaboration with NASA scientists Dr. Sarah Wallace, Dr. Aaron Burton, Dr. Kristen John, and Sarah Stahl

[NASA mission page](#)

Burton et al., Off Earth identification of bacterial populations using 16S rDNA nanopore sequencing. *Genes*. 11(1). (2020)

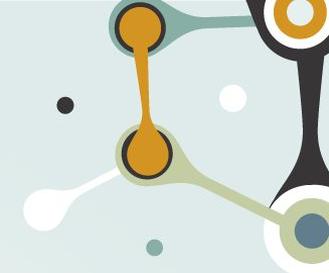
Brain Bee



- State competition for neuroscience, which could potentially get you qualified for the US National Brain Bee round
- February 2022 (Yet to be decided for in person or virtual)
 - brainbee@uab.edu
 - Resources available on our website to study
- MENTORSHIP OPPORTUNITY: PUJA CHOPADE AT BOB JONES HIGH SCHOOL. pujasc@madisoncity.k12.al.us.



SCIENCE FAIR



- North Alabama Science & Engineering Fair (NARSEF) registration will occur through the Scienteer Account.
- Start working on your projects! Registration for students will begin January 31st.
 - <https://sites.google.com/a/uah.edu/narsef/participate?authuser=0>
 - March 1-4
 - ASEF: April 4-8, Virtual
 - ISEF: May 8-13, Atlanta, Georgia