

10/24 Meeting Minutes

- REU/Internship Application Workshop:
 - Sat, Nov 2nd (ish)
 - TBD
 - How's this date?
- Career Panel with the Profs
 - Nov 7th Meeting
- SPS National Membership
 - Should be active
 - Look for email from sps-membership@spsnational.org
- Physics Problem
 - Answer and new question will be posted on social media
 - Reply to post with solutions
- SPS Game night in upper Violet on 10/26 starting at 6 pm
 - Will be super casual so please feel free to come and hang out!
- Physics Nobel Prize was recently awarded in parts to:
 - James Peebles
 - For contributions to cosmology and research interpreting Cosmic Background Radiation
 - Michael Mayor and Didier Queloz
 - For their discovery of an exoplanet around another Sun-like star and kickstarting the hunt that has so far discovered over 4000 exoplanets.
- Demo!!
 - Gravitational wave jello!!
- Summer research info and panel:
 - Jordan
 - Did an internship at the Space Telescope Science Institute researching red giants
 - Zoe
 - Worked at Brookhaven laboratories on nuclear physics things
 - Tom
 - Internship at Mizzou developing an apparatus for a heat exchange system
 - Kevin
 - Did not really do an internship but worked with a professor over the summer to make an interactive heart model
 - Angelina and Noah
 - Truscholars and Mcnair
 - Did research on direct detection signals of a solar dark matter halo
- Applying for Summer Research Programs
 - Why should you apply for summer programs?
 - Spend summer being paid to do science
 - Chance to find out what you like in physics

- Make connections for future career
 - Make yourself more competitive for grad school
- Types of programs
 - [Research Experiences for Undergraduates \(REUs\)](#)
 - NSF-Funded
 - Typically Hosted by a University
 - [Science Undergraduate Laboratory Internships \(SULI\)](#)
 - Through the US Department of Energy (DOE)
 - Hosted at National Laboratories
 - Will accept International Students
 - Earlier Deadline
 - Other Internships
- Types of Programs (Through Truman)
 - [TruScholars](#)
 - Through Truman Office of Student Research
 - Must find a faculty mentor to work with
 - Funded (up to \$3000 stipend, plus \$500 supplies/travel)
 - [McNair](#)
 - Program for First-Generation/Low-Income students and/or underrepresented students
 - Resources to help go to grad school
 - Including summer research
 - Must apply and be accepted into Truman McNair Program
- Tips for a strong resume
 - Not too dense-- can be scanned quickly & easily
 - Consistent formatting
 - Strong verbs
 - Highlight relevant experiences & transferable skills
 - Don't use high school stuff
 - Exception: freshmen
 - Have someone proofread it!
- Resume Resources
 - The [Career Center](#)
 - Will critique your resume from 8-5 on weekdays
 - Has [resources](#) to help with resume writing
 - They generally take walk ins if they aren't too busy
 - Dr. Edis has example resumes from science students on [his site](#)
 - Google has TONS of templates
- The Personal Statement
 - Be sure to address:
 - Your interest in This Specific program
 - How it helps you further career & academic goals
 - Why You are a good fit

- Some sites prioritize students with fewer resources at their home institution
 - If Truman doesn't have the subfield you want, mention that
 - How have you taken advantage of the resources you do have?
- Letters of Recommendation
 - Ask for letters early (like, before thanksgiving break)
 - Choose writers who know you well
 - Your research advisor
 - It would look weird if you didn't have a letter from your research advisor
 - Supervisor from science-related job
 - Professors whose classes you did well in
 - Ask in person if possible, and bring resume & personal statement
 - You SHOULD ask point-blank if they can write you a strong letter
 - You do not want a generic letter
- Workshop Reminder!
 - Writing about yourself can be hard!
 - Come to our workshop on November 2nd from 2-5 pm in MG 1000 (unless it's changed before hand) for:
 - Help with personal statements
 - Help with resumes
 - Proofreading/peer edits
 - Company & snacks while you work on apps!