## Professional Development Workshop #2





### Introductions



**Boston University** Wheelock College of Education & Human Development



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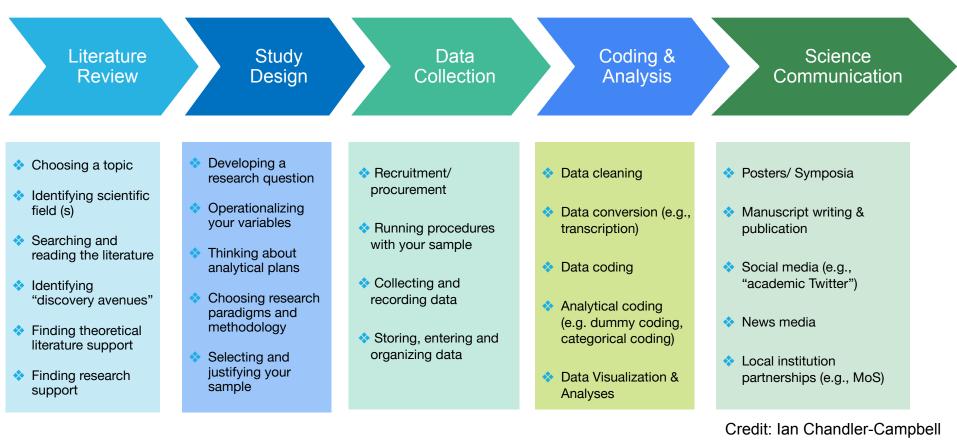
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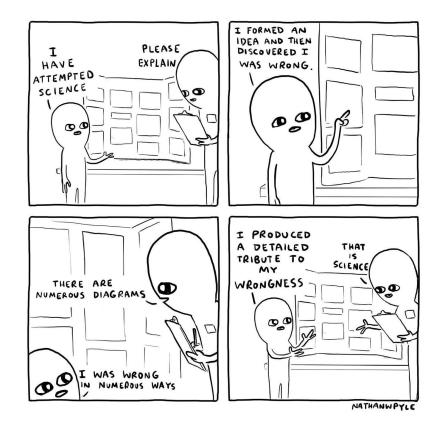
### Today's Agenda

- What is research?
- Benefits of working/volunteering in a research lab
- Types of research positions
- Finding research labs and research positions
- Applying for research positions
- Cold emailing and interviewing
- Q&A discussion panel

### What is "research?"



### What is "research?"



### What areas of psychology research can I specialize in?

- Clinical psychology
- Counseling psychology
- Developmental psychology
- Educational/school psychology
- Experimental/quantitative psychology
- Forensic psychology
- Health psychology
- Industrial/organizational psychology
- Neuroscience/cognitive science
- Social psychology
- Social work
- ... and many more!!!

### What does day-to-day look like in a research lab?

- Reading and discussing articles
- Scheduling participants
- Collecting data
- Processing, visualizing, and analyzing data
- Meeting with other researchers
- Presenting your research findings to various audiences
- Writing and editing papers









### Why should I work/volunteer in a research lab?

- To see if you enjoy it
- To build skills and professional connections
- To strengthen your knowledge on a specific topic or method
- To prepare you for graduate school applications
- To prepare you for job applications
- To add to your resume

### Types of research positions

### • Undergraduate research assistant or intern

- Part-time
- Usually unpaid/volunteer-based
- Can sometimes get academic credit
- Can sometimes involve honors thesis
- Post-bac research assistant or research technician
  - Full-time
  - Paid
  - Requires bachelor's degree ("post-bacc")
- Research fellows
  - Specialized research training programs/fellowships
  - Usually funded
  - Summer or semester programs
  - e.g., UROP

Specialized research training programs/fellowships



https://www.apa.org/education-career/undergrad/research-opportunities



https://www.nsf.gov/crssprgm/reu/





https://www.training.nih.gov/programs

Specialized research training programs/fellowships

**Boston University** Research: Undergraduate Research Opportunities Program <u>https://www.bu.edu/urop/</u>

Boston University Undergraduate Research Opportunity Program Summer Undergraduate Research Fellowship

https://www.bu.edu/surf/

Check out this link for other summer programs/fellowships! <a href="https://www.bu.edu/urop/opportunities/summer-research-2/">https://www.bu.edu/urop/opportunities/summer-research-2/</a>

### How do I decide which lab to apply to?

Ask yourself the following questions...

- What was my favorite undergraduate course?
- Which topics did I like the best in that course?
- Who was my favorite professor or TF?
- What population do I want to work with?
  - People, animals, cells, or computers
  - Children or adults
  - Clinical or "neurotypical"
- Where do I want to work?
  - Which university?
  - Which city?
- How much time can I realistically devote to research?
  - Semester vs summer
  - Part-time vs full-time
- What skills, knowledge, and expertise do I need to reach my long-term goals?

### How do I decide which lab to apply to?

- Google, google, google!
  - Professor's name + "research"
  - Research topic/population + geographic location + "research"
- Find lab's website
  - Research center = large research lab
- Explore lab's website, looking for the following information...
  - Lab members/team/staff (know who the PI is that stands for "principal investigator")
  - Current and upcoming research projects
  - Recent publications (<u>https://scholar.google.com</u>)
  - Current grants (<u>https://report.nih.gov</u> or google PI's name + "grant")



### Navigating lab websites at BU

### https://www.bu.edu/psych/



### Navigating lab websites at BU

#### Google Q bu and child development and research X Boston University Psychological & Brain Sciences About Us Join Us FAQ **Contact Us** Directions News **Child Development Labs** Come discover with us! We work with children from birth to 12 years of age. Our studies involve stories and games, and visits are scheduled at your convenience. Our Labs Boston University Twin Brain and Early Child Cognition Lab Project Experiences Lab Developing Minds Lab Research on Autism & . . Social Development & **Developmental Disorders** Learning Lab Biobehavioral & Social-**Emotional Development**

Lab

### Navigating lab websites at BU

Center for Autism Research Excellence - CARE

Welcome to CARE Research Approaches Student Opportunities Publications Contact CARE



## **Welcome to CARE!**

Center for Autism Research Excellence

#### **Undergraduate Research Opportunities**

Thanks so much for your interest in an internship at CARE.

#### Meet our Wonderful Research Team!



#### **Publications**

2021

Mariscal, M., Levin, A., Gabard-Durnam, L., Xie, W., Tager-Flusberg, H. & Nelson, C.A. (2021). EEG phase amplitude coupling strength and phase preference: association with age over the first three years after birth. *eNeuro* 

Romeo, R., Choi, B., Gabard-Durnam, L., Wilkinson, C., Levin, A., Rowe, M., Tager-Flusberg, H. & Nelson, C.A. (2021). Parental language input predicts neuroscillatory patterns associated with language development in infants at risk of autism. *Journal of Autism and Developmental Disorders* 

LaValle, C., Chenausky, K., & Tager-Flusberg, H. (2021). How do minimally verbal children and adolescents with ASD use communicative gestures to complement their spoken language abilities? *Autism and Developmental Language Impairments*.

Chenausky, K.V., Brignell, A., Morgan, A.T., Norton, A.C., Tager-Flusberg, H.B., Schlaug, G., Guenther, F.H. (2021). A Modeling-Guided Case Study of Disordered Speech in Minimally Verbal Children with Autism Spectrum Disorder. American Journal of Speech-Language Pathology. 10.1044/2021 AJSLP-20-00121

### How do I find research positions?

- Explore job postings online
- Look out for emails about research positions
- "Network" with folks you already know
- Explore lab's website
  - Announcements about open positions
  - Online application
- "Cold email" members of the lab directly
  - Email the lab manager
  - If the lab doesn't have a lab manager, email the PI
  - You can also email doctoral students directly if you see that they are working on a project that looks interesting to you

### "Cold emailing" etiquette

- Introduce yourself
  - Name, school, major, year in studies
- Express your interest in their research
- Ask them if they are currently recruiting undergraduates to join the lab
- Let them know you are available to talk more and can send your resume upon request
- If you do not hear back from them within ~1 week, you can send a follow up email



### "Cold emailing" etiquette

### Remember to be "PBS" :)

- <u>Professional</u>
  - $\circ$   $\;$  Don't say anything you wouldn't say to your grandmother  $\;$
- <u>Brief</u>
  - Your email should be between 3-5 sentences
- <u>Specific</u>
  - Mention which of their projects/recent papers sound the most exciting to you

### Cold email template

Dear Dr.

My name is \_\_\_\_\_\_, and I am currently a \_\_\_\_ year undergraduate student studying psychology at Boston University.

I find your research on \_\_\_\_\_\_ to be very interesting/fascinating/exciting/intriguing/etc. I am particularly interested in your recent paper/study on \_\_\_\_\_\_.

Will the \_\_\_\_\_\_ lab be recruiting any undergraduate research assistants for the fall semester/spring semester/summer? If so, I would love to set up a time to talk to you more about getting involved with your research.

Sincerely,

### When should I apply?

- Most labs recruit research assistants/technicians to start working at the beginning of the fall semester and the beginning of summer
- Job postings
  - $\circ \quad \text{Spring job posting} \to \text{fall start date}$
  - $\circ$  Winter job posting  $\rightarrow$  summer start date
- Cold emailing
  - Start sending emails 2-3 months before you want to start, even earlier if possible
- Research training programs/fellowships have their own unique application deadlines
  - Get applications in ASAP



### What will I need to prepare for my application?

- Resume
- 2-3 references
  - Professors
  - TFs
  - PIs/Bosses
- Cover letter
- Keep a running list of the jobs you have applied for
  - Deadlines
  - Email addresses for points of contact
  - Links to applications
  - Notes about position

### A few notes about resumes...

- Name the document appropriately
  - "First Name Last Name\_Resume.pdf"
- Keep it short (1 page)
- Tailor it to the position you're applying for
  - Use keywords that are included in the job posting
- Use strong action verbs
- Make sure there are NO typos!
- Reverse chronological order (most recent dates first)
- Be honest about your skills and experiences
- Helpful links
  - <u>http://www.bu.edu/careers/files/2012/08/Resume-Guide-2012.pdf</u>
  - <u>http://questromworld.bu.edu/udc/career/resumes-and-cover-letters/</u>
  - http://questromworld.bu.edu/udc/files/2019/01/Fall-2017-UndergraduateResumeGuide.pdf
  - <u>https://www.psychologicalscience.org/members/apssc/undergraduate\_update/undergradu</u>
    <u>ate-update-summer-2013/how-to-write-a-strong-cv</u>

"Hey can you put together an in depth excel spreadsheet? On your resume it said you were proficient." Me:



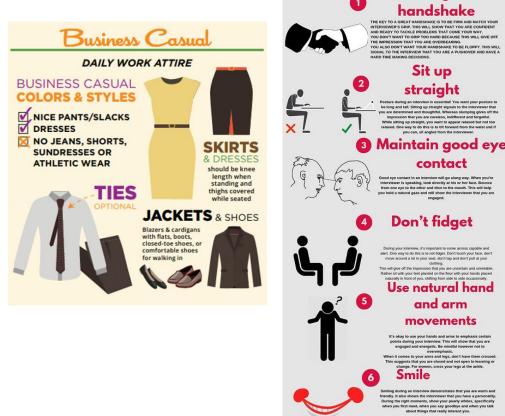
### A few notes about resumes... (continued)

- Headings
  - Personal Info
    - Name, phone number, email address, address info
  - Summary
    - Brief description that highlights skills related to position (not always required)
  - Education
    - Name of School, Degree
  - Honors & Awards
    - Name of awards/honors/fellowships
  - Research Experience or Professional Experience
    - Name of position, location
    - Description of responsibilities & accomplishments
  - Publications/Conference Presentations
    - Put in numbered format and use APA style
  - Clinical Experience
    - Name of position, location
    - Description of responsibilities & accomplishments
  - Professional Memberships
    - Any organizations, associations, and societies you are affiliated with
  - Skills & Certifications
    - Do you have any specialized training?
    - Are you proficient at certain skills (e.g., programs, coding)?
  - Service
    - Have you participated in any service opportunities (university level, community level, professional level)?
  - Teaching & Mentorship
    - Have you taught any courses? Have you mentored any students?

# Woohoo, I got an interview! Now what?

### Interview etiquette

- Know who will be interviewing you ahead of time
  - Title
  - What they research/do in the lab
- Prepare a list of questions to ask the interviewer
- Arrive early
- Bring a copy of your resume
- Bring a pen/paper to take notes (even though you might not take any notes)
- Dress business casual
  - No shorts/short skirts
  - No tank tops
  - Brush your teeth and comb your hair
- Exhibit positive, confident body language
- Do not leave the interview early
- Put your phone away
- Send a thank you email



TOP 6 INTERVIEW BODY LANGUAGE TIPS

> Confident Body Language In An Interview

> > **Give a great**

### Possible interview questions to be prepared for

- Tell us about yourself.
- Why did you apply for this job?
- Which aspect of our research is most interesting to you and why?
- What project would you like to work on at our lab and why?
- What skills or experiences do you hope to gain from this job? What are your expectations for this job?
- Do you have any previous research experience? If so, which labs? What types of projects did you work on and what types of tasks did you do?
- What courses have you taken that would help you in this job?
- What previous experiences make you a good fit for this job?
- What are your long-term career goals? Where do you see yourself in 5 years?

### Possible interview questions to be prepared for (continued)

- Tell us about a personal trait or aspect of your identity that will make you a good fit for this job.
- Tell us about an accomplish that you're proud of and why you're proud of it.
- Can you describe a time that you had to work in a group to overcome a problem? What was the most challenging part of working on that project with other people? How did you deal with that challenge? What was the best part of working on that project with other people?
- What role do you usually take on when working in a group?
- Tell us about one skill or experience from your resume that you'd like to highlight.
- When you have multiple responsibilities to handle in a given day, how do you prioritize tasks?

### Other helpful tips

- Be persistent
- Be flexible
- Any research experience is good research experience
- Leverage your personal connections

### Helpful resources

- APA getting involved in undergraduate research: <u>https://www.apa.org/ed/precollege/psn/2014/01/research-undergraduate</u>
- Searching for a full-time RA position: <u>https://www.wcupa.edu/sciences-mathematics/psychology/documents/HowtofindaBAlevelRAposition2017.pdf</u>
- Job postings for full-time RAs: <u>https://clinicalpsychgradschool.org/positions/</u>
- Job postings in psychology: <u>http://psychjobsearch.wikidot.com/#toc19</u>
- List of paid research internships: <u>https://www.psychresearchlist.com/paid-internships.html</u>
- Post-bac research programs in psychology: <u>https://www.apa.org/ed/precollege/psn/2020/03/post-baccalaureate-programs</u>
- Many other helpful links here! <u>https://docs.google.com/document/d/1IFTO5jsZIBc9DK6NXYP5c7v18tyHAno</u> <u>bfJznTtgdc7Y/edit</u>

### **Q&A** Discussion Panel

- Sophia Carias
  - Undergraduate student in neuroscience at Boston University
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- Ione Madsen Hardy
  - Undergraduate student in linguistics and speech, language, and hearing sciences at Boston University
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- Miriam Kamens, B.A.
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- Casey Lewry, B.A.
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  - Part-time research coordinator at MIND Clinic at NYSPI-Columbia University Medical Center
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