

## OPPORTUNITY TO CONDUCT MEDICAL IMAGE PERCEPTION RESEARCH

### March 1-5 at the European Congress of Radiology in Vienna

Investigators conducting research on medical image perception know that it can be difficult to recruit radiologists or other experts to participate in their studies. We are happy to announce there will be a Medical Image Perception Lab from **March 1 to 5, 2023, at the European Congress of Radiology (ECR) in Vienna, Austria**. The lab is a shared facility allowing multiple investigators to collect data from interested radiologists/expert observers. The 2022 debut of the Medical Image Perception Lab at ECR was a great success! The meeting organizers were extremely helpful and are working to make the 2023 version of the lab even better. This is also an opportunity to meet other medical image perception researchers from around the world. Details below.

If you are interested, please send us an application as soon as you can. We will review these and get back to you on a rolling basis.

### **APPLICATION:**

**Facilities:** *There will be six small, darkened testing areas in what should be a high traffic area at the meeting. Each room will be equipped with a desk, two chairs, two monitors, power, and internet access. We may be able to get the loan of some medical-grade monitors. In addition, there will be tables in an open area with power and wireless internet. Many labs have found that they can test observers in these more casual environments. Registration fees for the meeting will be waived for 2-3 participating researchers per lab. Individual researchers will need to provide any equipment other than the monitors described above (i.e., you need to make arrangements if you need medical grade monitors, computers, eye-trackers, etc.). You will also need to provide personnel to carry out the experiment. Finally, investigators will be asked to contribute a modest amount to a fund that will cover expenses (e.g. The Official T-shirt ... important for recruiting).*

**Application:** To apply for time and space:

- 1) Provide contact information for the PI and for any researcher(s) whom you plan to send to the meeting. Include their position (postdoc, research assistant, etc.) office address, cell phone contact, and email.
- 2) Please provide 1-2 pages of prose (**exclusive of figures and references**) including:
  - a) An Abstract briefly describing the project.
  - b) A Significance statement describing why this is worth doing.
  - c) Brief Background and Methods.
  - d) A statement of your requirements:
    - i) **IMPORTANT:** Do you need to test in one of the darkened testing rooms or can you test out in the open? We will allocate testing room time in two-hour slots from 9-5 each day of the meeting.
    - ii) How many participants do you hope to test?
    - iii) How much time do you realistically need with each participant? Keep in mind that your observers will probably be willing to give you no more than 20-30 mins of time for an

experiment, and the shorter the experiment is, the more participants you will be likely to recruit.

- iv) What are the desired qualifications for your observers (e.g., level of experience such as resident, fellow, certified radiologists)?
- v) What is the desired expertise of your observers (e.g., breast imaging, chest, etc.)
- vi) What equipment do you need (and/or will you bring)?

**If your project is accepted, we will need:**

- 1) A brief paragraph explaining what the participants can expect to be doing in the study (e.g., reading N chest x-rays) and the potential benefit to the participants. What might they learn?
- 2) A statement about how you plan to reward participants if applicable (e.g., lottery for an iPad, box of chocolate, University swag, etc.).
- 3) Proof of IRB approval from your institution.
- 4) The recruitment methods that have worked best have been very “retail.” You will need to approach people and ask them if they are interested in participating. In addition, we will supply vivid, identifying t-shirts. They help too – assuming you wear them.
- 5) *After the meeting*, we will need a report about how many observers you tested, what you found, and your thoughts about the process.

**Review Committee**

Decisions about the allocation of time and space will be made by a review committee:

Questions can be directed to Jeremy Wolfe ([jwolfe@bwh.harvard.edu](mailto:jwolfe@bwh.harvard.edu)) and Todd Horowitz ([todd.horowitz@nih.gov](mailto:todd.horowitz@nih.gov)).