CONSENT FORM (Paid Subjects fMRI - Young) Study\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

You are invited to participate in a research study conducted by Dr. Ulrich Mayr of the Department of Psychology from the University of Oregon. In our study we hope to learn about the processes involved in the regulation of thought and action. Thank you for considering participating in this experiment.

This study uses the standard procedures for the Siemens Skyra 3 Tesla MRI at the Lewis Center for Neuroimaging (LCNI). If you decide to participate, you will be performing simple task where you will be presented with simple geometrical stimuli (circles, squares, or triangles in different colors and positions), words, or colored letters. Images of your brain, called scans, will be taken and during some scans you will be asked to pay attention to and make decisions about visually and/or auditorily presented stimuli and to make any responses using a button box. Images that show us the structures in your brain will be obtained during the first 15 minutes of the scan. After that, more images will be obtained for approximately two hours. During this time, you will be asked to attend to and make decision about different stimuli, including words, pictures and sounds and to make any responses using a button box press.

Video taping of your eye movements and blinking may be carried out during scanning. This data will be used to determine the direction of your gaze during task performance. Finally, additional anatomical images may be obtained near the end of the scanning session for 15 minutes.

During your MRI scanning session, occasional breaks of a few minutes will be provided. You will remain in the MRI scanner during breaks, but you may close your eyes and rest. You may rest for as long as you need to be ready to continue the session.

LCNI has multiple safety features to reduce the potential for harm. The strong magnetic field of the scanner presents a risk if some types of metallic magnetic objects are brought into the room. There is a risk these objects may be attracted to the MRI machine or they may lead to heating and burns to you. This can also occur if your body or our equipment are not positioned properly inside the scanner. We will minimize this risk by carefully positioning you with special insulating pads. LCNI staff will conduct a thorough screening for any potential problems, to make sure we have accounted for all MRI-related concerns. Depending on what you are wearing (e.g. metal buttons or clasps), you may be asked to remove some clothing and put on 'scrubs'.

The MRI scanner makes loud thumping, pounding and whining sounds during scans, which may be discomforting to some people. You will be provided with hearing protection to reduce the noise from the scanner. You may become anxious and/or tired from lying in the MRI machine. Some individuals who are claustrophobic (scared of small spaces) may find the scanner too confining. To get an idea of what the experience of being scanned will be like, you may ask to do a ‘practice’ session in our mock-scanner before your session. You may ask to stop the practice or real MRI scans at any time. You will be given an emergency squeeze ball during the real MRI and instructed in its use. You may squeeze this ball at any time to stop the scan and be removed from the scanner.

Although there are no known risks to having an MRI when you are pregnant, it is a time when the heart and brain are still developing. Therefore, if you think that you may be pregnant, we will encourage you to choose not to participate until you are finished with your pregnancy.

If you decide to participate, you may also be asked to complete portions of the experiment outside of the scanner. For instance, you may be asked to complete standardized psychometric measures (tests aimed at quantifying your knowledge, skills or abilities in testing areas) or computerized tests that involve speaking words, pressing keys, and/or touching a touch-sensitive screen in response to objects or words appearing on the monitor.

**Number of Sessions \_\_\_\_\_ (*up to 2).***

*Sessions will be scheduled individually, but usually no less than one session and not to exceed more than 2.*

**This study will take up to (researcher circle):** **.5 1 1.5 2 2.5 3 Hour(s)**

**You will be paid (researcher circle): $10 $15 per hour**

**Total Compensation: \_\_\_\_\_\_\_\_\_\_\_\_ (may include additional monetary reward; see below)**

**You will receive (researcher circle):**

**□ Hourly rate only.**

**□ Hourly rate + Extra incentives:** In addition to the hourly credit, participants will receive small rewards for correct answers, in the form of money (to yourself or to charity), food, or images. Reward compensation will be linked to random trial numbers and will result in the addition of 1-50 cents per correct trial for monetary incentives. Because you will not know which trials are linked to rewards it is important that you do your best on each one. The amount of each reward will be randomly determined by the computer, with the total appearing on the final screen.

**You can discontinue participation at any time during the experiment. If you discontinue participation in the middle of the study, you will receive compensation for the actual time completed, rounded up to the next 15 minutes. If you keep your scheduled appointment but choose not to participate in the study at all, you will still receive compensation for the first 15 minutes of the study.**

By participating you help us to understand the basic mechanisms involved in the control of action. By understanding such basic processes, we are in a better position to design work environments or instructions that counteract action failures. However, we cannot guarantee that you personally will receive any benefits from this research.

No information that is obtained in connection with this study will be identified with you. Your confidentiality will be assured by associating your data with a code and a number specifying the experimental conditions that you are in, instead of with your name. **Your participation is voluntary. Your decision whether or not to participate will not affect your relationship with the UO Psychology Department or the UO Linguistics Department. If you decide to participate, you are free to withdraw your consent and discontinue participating at any time without penalty.**

Please be aware that the principal investigator for this study has a financial interest in Cogmetric LLC, a company that develops cognitive testing systems. The current research you are participating in is not related to Cogmetric, but results from this research may inform work at Cogmetric in the future.

If you have any questions concerning your rights as a research participant, please contact Research Compliance Services, 5237 University of Oregon, Eugene, OR 97403, 541-346-2510, or email [ResearchCompliance@uoregon.edu](mailto:ResearchCompliance@uoregon.edu).

Your signature indicates that you have read and understand the information provided above, that you willingly agree to participate, that you may withdraw your consent at any time and discontinue participation without penalty, that you have received a copy of this form, and that you are not waiving any legal claims, rights or remedies.

Print Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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