



RESEARCH CONSENT FORM

Project Title: Movements of Attention During Picture Viewing and Visual Search

Principal Investigator: Dr. Gregory Zelinsky, Psychology, 632-7827

Co-Investigators: Justin Maxfield (Ph.D. student); Hossein Adeli (Ph.D. student)

Department: Psychology

You are being asked to be a volunteer in a research study.

PURPOSE

The purpose of this study is to investigate how people perceive or remember visual objects in scenes. Results will increase our understanding of the perceptual, attentional, and cognitive processes and brain mechanisms that underlie picture viewing. Approximately 2000 people are expected to participate in this study.

PROCEDURES

If you decide to be in this study, your part will involve:

- You will view a series of pictures on a computer screen and make judgments about objects in these pictures by pressing a button. Typical judgments might include indicating whether a given object appears in a picture, or reporting whether a picture was viewed previously in the experiment.
- As you view these pictures and make judgments, your eye movements may be monitored using an eye tracker. The operation of this eye tracker involves pointing a small video camera at your eye. Because an eye tracker requires that your head remain very still during testing, you may be asked to place your chin into a chin-cup. Not everyone can participate in eye tracking studies. If you require glasses or contacts to see clearly, you may be excluded from participation in this study. A variety of other reasons, all of which relate to the structure of the eye, may also disqualify you from participation.
- As you view these pictures and make judgments, we may also record your brain activity using EEG (electroencephalography). This would involve you wearing a lycra cap on your head that contains the 32 or 64 sensors used to record your brain's activity. Because these disks need to be filled with a gel so that the sensors can accurately record brain activity at the scalp, you may want to wash your hair after the experiment. The gel is completely water soluble and can be removed easily, and the entire procedure is painless. Our laboratory has a sink, towels, shampoos, and a hair dryer, should you want to do this.

RISKS / DISCOMFORTS

The following risks/discomforts may occur as a result of you being in this study:

- Some of the eye trackers in our lab use cameras that are mounted to a strap that you must wear on your head. This adjustable strap is similar to the kind used in many sporting and construction helmets. Some small percentage of people find wearing this head strap uncomfortable after a few minutes. If wearing a head strap bothers you, you should not participate in this study.
- During EEG recording, there is a small possibility of mild skin irritation (redness) where the electrode contacts the skin. This, however, is rare and temporary.
- There will be several scheduled opportunities for you to rest during this experiment. However, if you become tired or experience discomfort between these scheduled breaks, please tell the experimenter as this may affect the quality of your data. Don't be embarrassed to ask for longer periods of rest.

BENEFITS

There is no benefit expected as a result of you being in this study

PAYMENT/CREDIT TO SUBJECTS

- Participants in this study will receive either monetary compensation or one course credit per completed hour (not both). If this experiment was advertised as less than an hour and you are participating for course credit, you will receive pro-rated credit as advertised (in 15-minute increments). If you are participating in this experiment for compensation, you will receive \$15 per hour for your time and effort. If you elect to withdraw from this experiment prior to its completion, this compensation will be prorated based on completed 15 minute segments.

CONFIDENTIALITY

Protecting Your Privacy in this Study

- All the information we get about you will be kept private. We will do this by not writing down your name or anything else that could link you in any way to the answers you give us for our study. All the study data that we get from you will be kept locked up. If any papers and talks are given about this research, your name will not be used.
- If you are paid \$600 or more a year as a research subject, your social security number will be reported to those in charge of taxes. You may have to pay taxes on this money.

COSTS TO YOU

There is no cost to you by being in this study.

ALTERNATIVES

Your alternative to being in this study is to simply not participate.

YOUR RIGHTS AS A RESEARCH SUBJECT

- Your participation in this study is voluntary. You do not have to be in this study if you don't want to be.
- You have the right to change your mind and leave the study at any time without giving any reason, and without penalty.
- Any new information that may make you change your mind about being in this study will be given to you.
- You will get a copy of this consent form to keep.
- You do not lose any of your legal rights by signing this consent form.

QUESTIONS ABOUT THE STUDY OR YOUR RIGHTS AS A RESEARCH SUBJECT

- If you have any questions, concerns, or complaints about the study, you may contact [Dr. G. Zelinsky], at telephone # (631-632-7827).
- If you have any questions about your rights as a research subject or if you would like to obtain information or offer input, you may contact Ms. Judy Matuk, Committee on Research Involving Human Subjects, (631) 632-9036, OR by e-mail, judy.matuk@stonybrook.edu.

If you sign below, it means that you have read (or have had read to you) the information given in this consent form, and you would like to be a volunteer in this study.

Subject Name (Printed)

Subject Signature

Date

Name of Person Obtaining Consent
(printed)

Signature of Person Obtaining Consent

Date