INFORMATION SHEET

High Resolution Imaging of the Fovea

Principal Investigator: Martina Poletti, Ph.D.

This form describes a research study that is being conducted by Dr. Martina Poletti and Dr. Michele Rucci from the University of Rochester's Center for Visual Science.

The purpose of this study is to capture images of microscopic features of the human retina for comparison with the eye-tracking data gathered from a study that you have already completed.

If you decide to take part in this study, you will be asked to complete the following study procedures:

1) **Initial eye examination**. This comprehensive exam is similar to what you would normally undergo at an eye doctor's office. It will help us to confirm the health of your eye and to screen you for any risk factor you might have in relation to having your pupils dilated. If you have completed an eye examination in the past year and do not wish to undergo another one with our study team, we may ask for your permission to contact your eye doctor to obtain a copy of your most recent eye exam results.

2) **Pupil dilation**. The dilating agents are standard drugs commonly used by eye doctors during routine eye exams. Any risk factor will be detected during the initial eye examination; if we find that you are at risk for complications from this part of the study, we will inform you of that risk and remove you from the study.

3) **Retinal imaging**. This will involve sitting at an adaptive optics machine and look steadily at a visual target while the machine takes an image of your retina. As part of this, we will also scan your eye for aberrations that may explain quirks in the data that we get.

All study procedures will take place in the Flaum Eye Institute at the University of Rochester Medical Center.

We estimate that approximately 30 subjects will take part in this study. Your participation will last for a single session of 2-4 hours.

Risks from this study are no greater than those experienced during routine eye examinations. The initial eye exam will screen you for potential risks from the dilation, and the retinal imaging carries no additional risk. There is a small chance that you will become uncomfortable from sitting at the scanning machine for a long time. If that happens, you are free to signal to the study team that you need a break or that you wish to stop the study procedures. The study team will carefully monitor the light levels used by the adaptive optics machine to ensure that they stay within safe levels.

Besides the eye exam, there are no expected benefits to you for participating in this study.

The University of Rochester is receiving payment from the National Institutes of Health and National Science Foundation for conducting this research study.

You will be paid $15 per hour for your participation in this study. There will be no cost to you to participate in this study.

The University of Rochester makes every effort to keep the information collected from you private. In order to do so, we will assign you a random, unique study number, which will be used instead of your name in identifying your data files and in all reports, publications, and references to you. All of the information we collect will be stored in a secure manner and only study team members will have access to it. Results of the research may be presented at meetings or in publications, but your name will not be used. Sometimes, however, researchers need to share information that may identify you with people that work for the University, regulators, or the study sponsor. If this does happen we will take precautions to protect the information you have provided.

Your participation in this study is completely voluntary. You are free not to participate or to withdraw at any time, for whatever reason. No matter what decision you make, there will be no penalty or loss of benefits to which you are otherwise entitled.

For University of Rochester students: Participating in this study will not affect your class standing or grades at the University of Rochester. You will not be offered or receive any special consideration if you take part in this research.

For University of Rochester employees: Taking part in this research is not a part of your University duties, and refusing will not affect your job. You will not be offered or receive any special job-related consideration if you take part in this research.

For more information or questions about this research you may call Martina Poletti at (617) 358-1385. Please contact the University of Rochester Research Subjects Review Board at 265 Crittenden Blvd., CU 420628, Rochester, NY 14642, Telephone (585) 276-0005 or (877) 449-4441 for the following reasons:

- You wish to talk to someone other than the research staff about your rights as a research subject;
- To voice concerns about the research;
- To provide input concerning the research process;
- In the event the study staff could not be reached.