*Hi Ainhoa –in brackets we explain what the participant will see on screen along with the instructions.*

Welcome to the BCBL. Let’s get going!!!

[*Press XXX to continue…*]

In this experiment you will need to keep your focus on the center of the fixation cross shown below.

[+ Fixation cross]

[*Press XXX to continue or YYY to go back…*]

This is not always easy since you will be seeing many visual objects appearing on the screen like you’re seeing now.

.

[+ Fixation cross + gratings]

[*Press XXX to continue or YYY to go back…*]

Your gaze will be monitored by an eyetracker. Let’s calibrate it now!!

Just look steadily at the center of each dot that appears. Ready?

[*Press XXX to START calibration or YYY to go back…*]

[Calibration/Validation sequence begins – Note to C/M: adjust calibration dot spread towards screen center!!]

IF CALIBRATION FAILS: Oops! That didn’t go so well. Let’s try it again.

[Calibration/Validation sequence begins – Note to C/M: adjust calibration dot spread towards screen center!!]

Excellent! The eyetracker is calibrated.

In this experiment, you have a chance to make some extra money! You can earn up to €€€ extra in this experiment ☺!

[star icon + sound effect? – Note to C/M ‘ka-ching’? or what about 50¢ the r apper?]

[*Press XXX to continue…*]

Now, the computer knows where you are looking!! During the experiment the fixation cross will turn red when you fail to fixate the cross, and you will hear a warning sound] ☹. But when you are fixating properly the cross will turn white ☺. Try it out!

[*Press XXX to continue or YYY to go back…*]

[Policing starts with red-white fixation cross on screen]

Unfortunately, the eyetracker can lose track of your eyes if you make even small head or body movements. The cross will stay red even when you try to fixate. Then, the calibration sequence will automatically restart. This will cost time, and reduce our chances to make money! ☹ . So, please, please, try to stay still ☺!

[*Press XXX to continue or YYY to go back…*]

Now let’s collect some data!! This time, you just need to fixate the cross while the visual objects appear. This sequence will take about xxx minutes. Don’t get distracted! And keep still!

[*Press XXX to START or YYY to go back*]

[Localizer]

Now let’s try something a bit more interesting!!

[*Press XXX to continue…*]

During the experiment, dots may randomly appear inside the circular gratings. Here is an example:

[*Press XXX to continue or YYY to go back…*]

[show grating array with a dot]

In the actual experiment, these dots will be presented very briefly, and may be hard to notice. Whenever you perceive one of these dots, you should respond with XXX as soon as possible to win XXX. If you miss it, XXX will be deducted from your winnings. To help you find these dots, the yellow arm of the fixation cross will point to the grating which will most likely contain the dot. This information is not always correct, but it WILL help you earn money!!! But remember, you must ALWAYS fixate! Here is a practice session. Give it a try!

[*Press XXX to START or YYY to go back…*]

[run a sequence with a dot in the cued grating that is easy to perceive]

Once and while, we may ask you to predict the next grating change in a sequence. You simply have to guess. Don’t worry about trying to be correct as this won’t affect your winnings, and is only a diagnostic component of the experiment. Let’s give it a try.

[*Press XXX to START or YYY to go back…*]

[run a sequence for a few reps and ask the question]

You got it! Let’s get to the experiment! During the experiment you will be prompted to press XXX to continue. If you’re feeling tired, take a few moments relax, and begin again when you’re ready. This is a good time to blink, and if possible, try to blink as little as you can between breaks. Good luck!