*Dearest Ainhoa – these instructions should be in Spanish. Kindly translate the instructions in reddish-brown font. They will be presented on computer screens either in the training section or during the experiment. You don’t need to translate the text in brackets which just a) explains what the participant will see on screen or b) contains repeat instructions.*

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

Press XXX to continue…

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

[+ Fixation cross] *Press XXX twice to continue or YYY to go back…*

1. This is not always easy since you will be seeing four visual objects, known as gratings, like you will see on the following screen.

[+ Fixation cross + gratings] [*Press XXX twice to continue or YYY to go back…*]

1. 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 twice to START calibration or YYY to go back…* [Calibration/Validation sequence]

1. [IF CALIBRATION FAILS] Oops! That didn’t go so well. Let’s try it again…

[Calibration/Validation sequence repeats]

Excellent!! The eyetracker is calibrated.

[*Press XXX twice to continue]*

1. 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 twice to continue or YYY to go back…*] [Policing starts with red-white fixation cross on screen]

1. 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 your chances to make money! Yes!! In this experiment, you can make extra money!!! So, please, please, try to stay still ☺!

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

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

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

[Localizer]

1. Now let’s try something a bit more interesting!! During the experiment, dots may randomly appear inside the circular gratings. Here is an example.

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

[show grating array with a dot]

1. 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 quickly as possible to win XXX. If you miss a dot, or you respond too late, 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!!! Remember, you must ALWAYS fixate! Here is an example. Give it a try!

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

[run a sequence (~2 minutes) with a few dots in the cued grating that are easy to perceive]

1. 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…*]

[Repeat the sequence a few times and ask the question]

1. You got it! Just one last step. We need to calibrate the difficulty of the dot detection based on your skill. This test takes XXX minutes.

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

1. Now 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 to 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!

[*Press XXX to continue…*]

1. When you’re ready to continue, click twice for the next series. Remember to fixate the cross but monitor for dots in the cued grating. Good luck!!!

[Feedback, etc.]

You got XX out of XX dots. You win XX euros ☺!! But you missed XX dots, so you lose XX euros ☹ Total winnings: XX

Great work!! Keep it up!

Pretty good - but still room for improvement!

Oh, dear! Better luck next round!

Calibration error detected! Recalibration commencing…

Take a break. After the break, we will need to recalibrate.