**----- Preparing the room before the session of experiment**

The setup is composed of four tables (labeled "A," "B," "C," and "D"), each hosting a computer. Tables "A" and "C" are facing each other, and tables "B" and "D" too. Curtains are placed between the pair of table AC and BD to prevent the pairs of individuals sitting at one block of table from observing those at another. Stickers are affixed to the computer keyboards to indicate which keys participants can press. Following each round, two out of the four participants switch tables, taking their computers with them. The designated table to which they need to go is specified both in the computer program and on a piece of paper attached to the computer (see the file “IDCards\_computers” in Admin folder to print out these papers). The laptops are placed on a rotating device, which makes it easier for the participant to rotate their screen. When they arrived to the room, the first thing they do is to read and sign the consent form. Participants were paid 21 euros for their participation.

On each computer, you need **to install Psychopy**. We strongly recommend to use Anaconda interface. Please look at Psychopy website (<https://www.psychopy.org/download.html>) and go to the part “Anaconda and Miniconda” to know how to install it.



**----- Once the room is prepared**

**Just before the experiment:**

- print out the consent forms (see file Consent\_form.doc in Admin folder) and place them on each table, with 1 pen for each

- print out he files for the debriefing and the payment sheet. The debriefing files are available in the Admin folder (“Debriefing\_form.doc”) but the payment sheet can be directly extracted from the MPI database.

- make sure that each computer is in the right spot (Part1 in A, Part2 in C, Part3 in B, Part4 in D - it is written on the computer)

- on each computer, open the prompt: if the computer is already on, press on the upper arrow to retrieve the last command and press enter. If the computer was off, type "*conda activate psychopy*", then "*cd Documents/Experiment*", then "*python program\_v5.py*"

- enter the group number, group type, and participant number

**During the experiment:**

- follow the instructions on the sheet (“InstructionsTasks\_inEnglish.doc”). Please note that these instructions were told in English during the initial experiment. If participants do not understand well English, tell them not to worry since everything will be explained in Dutch later on the computer screen.

- ask if some of them already know each other. If yes, ask them to behave as if they did not know each other.

- for the heterogenous groups: make sure that the biased participant has read the first message "lees mij" at first by making intensive eye contact before starting

- The passive exposure starts, then the participants should go through the testing phase. During the testing phase, stay a bit close to the biased participant because it is likely that this person will want to know if it is normal that s.he cannot produce the "a" and "k" letters. Just say: "it's normal, do your best" very discreetly if s.he asks something

- when the participants start the communication game, you can remove the cable (if the battery is full of course). It's easier for them to move the computer then.

- take notes if you see something weird

**In case of problems:**

- *problem 1:* the participant forgot to show the feedback. No problem, just ask the participant to say it orally.

- *problem 2:* the participant pressed too fast and didn't have time to show the word to the partner. Come with some post-its, ask the participant to write it down and show it to the partner.

- *problem 3:* the participant pressed too fast and could not write the name at all during the communication game. In this case, apply the same procedure as for problem 2 \*but\* it is important here that you keep in mind the word written, the round/phase (written at the bottom of the screen), the participant ID and the group number/type. Then you should manually fill the output csv file to fill this gap.

- *problem 4*: the participant pressed too fast during the testing phases: it's important here that you ask the participant to write it down and then you should also fill the final csv file with the missing word, the participant ID and the group number/type.

- *problem 5:* the participant promises that s.he wanted to press 1 but pressed 2. In that case, it depends: if you feel like the participants had converged already and s.he really seems honest, you can write the Round/phase number, participant ID and group number and note that the Guessing Participant had the correct answer. I do believe that participants are “honest” and that it is better to take this kind of remark into account. It does not happen often anyway.

- *problem 6:* the participant pressed "escape". The program stops \*but\* the file is saved. You can restart the program (you can enter the same parameter because the filename is always written with the date and time, so it won't overwrite anything). The annoying thing is that you will have to press random buttons until the program reaches the moment where the participant has pressed escape: it implies that you have to go through the passive exposure (don't show this to the participant), then press "enter"-"enter"-"enter" until the Round/Turn number at the bottom of the screen matches the one of the partner. If this is a battery problem, you can continue the experiment normally after re-starting the computer, avoid pressing "escape".

**After the experiment is done:**

Talk about the purpose of all this, you are free to explain what you feel like. Ask them questions about how it was for them:

- Was it hard to reach a common language?

- Did you try to adapt when talking to someone having a different word than you?

- Have you realized that X was biased? (for HT groups - for HM groups, explain how participants in HT groups behaved)

- Did you remember well the initial labels? (explain why it is good if they did not remember too well)

Also, for heterogenous groups, it is important to say who was the biased participant at the end, and insist on the fact that this person had a hard time (it can be quite frustrating for them and they like receiving a bit of attention at the end).

When finished, do not forget to make them sign the payment sheet and fill the summary sheet. They can write in English or Dutch. Then you can replace the computer on the good spots, and **SAVE ALL THE DATA YOU COLLECTED** on a Drive or a USB key.