This folder contains important information if you consider participating in one of the studies at the Donders Centre for Cognition of the Donders Institute. Please read the following information carefully.

The Donders Institute is a university research centre investigating the brain, cognition and behaviour. The Donders Centre for Cognition (DCC) is part of the Donders Institute and has at its disposal various techniques in order to measure behaviour and brain activity. For our research we need volunteers to participate in various experiments, e.g. language, perception, action or memory tasks. All our research and research methods have negligible to minimal risks.

**Ethics check**
Each study you may participate in has been reviewed and approved by an independent ethics committee (the ‘Ethics Committee of Faculty of Social Sciences, Radboud University Nijmegen’, [https://www.radboudnet.nl/socialsciences/research/ethics-committee-social-science/](https://www.radboudnet.nl/socialsciences/research/ethics-committee-social-science/) or the medical ethics committee, [www.cmoregio-a-n.nl](http://www.cmoregio-a-n.nl)).

**Clinical data**
Researchers at the DCC do not examine the data from a clinical perspective. Participation in any of the experiments can therefore not be considered as a clinical or screening test. In exceptional circumstances the data collected may give indications concerning your health conditions. Prior to participation in these kinds of experiments you are required to provide name and address of your general practitioner. In case of a possible finding which is of clinical relevance you will be informed by a designated specialist of the DCC, or your general practitioner. In case you do not have a general practitioner (in the Netherlands), you will be informed by the Academic General Practitioner Center Heyendaal, for which you will then have to register as a patient once. Your insurance policy will cover these costs; In case you are uninsured the Academic GP Center is required to charge you a minimal amount for consultation. If you do not wish to be informed about findings concerning your health, you cannot participate in experiments at the DCC.

**Information about the experiment and giving consent**
You will receive a study specific information brochure from the researcher sufficiently in advance (i.e. 24 hours) of participation in the experiment. This will allow you time to reflect on your participation. Prior to participation, you are asked to sign a study specific informed consent form in which you confirm that you have been informed satisfactorily and are willing and able to participate voluntarily. The researcher will also sign the form, confirming that you have been informed about the experiment satisfactorily. The researcher will also ensure your privacy and that the necessary privacy conditions will be met. You have the right to withdraw from the experiment at any time without giving a reason. You can request disposal of your experimental data up to 1 month after participation in the study. After that your data will be anonymized and stored in a repository. An example of the study specific “informed consent” is attached to the applicable study specific information brochure.
**Insurance**

On legal grounds a liability insurance and in some cases an additional subject insurance has been concluded for subjects participating in studies at the DCC as part of the Donders Institute. The subject insurance covers damage due to participation in the study, becoming apparent during participation in the study or within four years after termination of participation in the study.

**Screening**

When you register to participate in one of the studies at the DCC you'll have fill out a general questionnaire. General and demographic, as well as questions concerning your clinical history will have to be answered. This information is initially required in order to determine if you meet the inclusion criteria for participating in any of the research methods, or to decide whether you are a suitable candidate for a particular experiment. In some cases you may be excluded from an experiment based on specific exclusion-criteria.

In addition to this general preparatory screening, the researcher will go through a screening form with you on the day of your participation in the study. During this screening you will only be asked to provide information that is strictly necessary to determine whether you are eligible to participate in the study.

**Privacy**

The information you provide during the screening and the study itself will be handled carefully and will only be accessible to the designated research team. Experimental data collected during the study are treated confidentially. The researcher stores all data under a subject code. In the records of the research only this code will be used. Only the members of the designated research team know the combination between you and the code. In some studies additional audio and/or video recording will be applied during the experiment. The experimenter will always inform you about this prior to participation additionally asking for your approval. In all cases your privacy will be protected according to Dutch law (Wet Bescherming Persoonsgegevens; WBP) and the future European general data protection regulation.

This is all stated in writing in the privacy regulations of the DCC which is in line with the applicable Radboud University Privacy policy. If you are interested, you can request these regulations from the DCC lab coordinator, Miriam Kos, (dcclabcoordinator@socsci.ru.nl; tel 0243612650).

**Right to inspection**

Few other people have the right to inspect your anonymized experimental data in order to check for proper conduct. For instance: the research team concerned, an audit team, the ethics committee or the Inspection of the Ministry of Health.

**Sharing your experimental data**

Given the importance of checking and/or replicating the research results, experimental data are shared more and more for strictly scientific purposes with researchers or research consortia beyond the research team involved. Prior to this sharing the data will completely be anonymized (i.e. not traceable to your identity). In case of concerns of sharing your experimental data, you have the right to request disposal of your experimental data up to 1 month after participation.

Your experimental data will be stored separately from your personal data in a database. Some experimental data cannot be anonymized due to its nature, e.g. video-, photo or audio recordings. You have the right to disapprove sharing these data with other researchers beyond the scope of the study. This can be done via the study specific consent form.
Approach future studies
Participating in experiments at the DCC entails that you may be approached for participation in future studies. Also in these cases participation is always voluntary and consent will be sought every time you participate in a new experiment.

Preparation of the experiment
Generally, no extra preparation is required before participation. It is important that you are fit, alert and that you did not drink alcohol or used drugs the night before. Before the start of the actual experiment the researcher will explain the aims of the research and the applied measurement techniques to you. You will receive instructions about what you are asked to do during the experiment, such as watching a monitor, listen to sounds (possibly over a headset), perform a reaction task, make different movements or just lie still and relax. Once everything has been fully explained you will be asked to sign the consent form. Subsequent procedures depend on the research method that is being used. You can read more about this in the information brochures on EEG, moving chair, robot or EEG-FES.

Payment
Participation in experiments is reimbursed. The DCC gives this reimbursement by means of participant hours or ‘iris checks’. In this latter case we need your address and BSN for administrative reasons.

Additional information, independent contact person and contact
If you are unable to make it to the appointment (on time), please inform the responsible researcher as soon as possible. You may also contact this researcher for additional information or if you would like to withdraw from participating. We appreciate hearing about your experiences as a participant. You can give your feedback – with or without personal information- via this webform. In case of questions or complaints about an experiment, contact the responsible experimenter first. You can also contact an independent contact person who is not involved in the study (independent contact person: Miriam Kos, of the Donders Centre for Cognition (dcclabcoordinator@socsci.ru.nl; tel 0243612650) or fill out our webform. If applicable the independent contact person will contact you by phone.
General
Our body and environment change all the time. For adequate actions, our brain needs to adapt our movements to those changes. To study this process of adaptation we make use of a haptic manipulandum or robot arm. A subject grasps the endpoint, i.e. handle, and performs reaching movements. The robot can perturb the reaches by applying a force to the handle. The position of the subject’s hand is projected into a mirror and in some cases this representation of the hand does not match with the felt position of the hand.

The subject’s arm rests on an airsled. This device acts like a hovercraft, in that the subject can rest his/her arm on it while the airsled floats on the table and the arm can move frictionless over the surface.

In some experiments we make use of short electrical stimuli to the skin of the finger. In other experiments we make use of Galvanic Vestibular Stimulation (GVS). This technique perturbs the vestibular organ by applying a small current just behind the ears. Both electrical interventions will be communicated clearly to the subject before he or she makes the decision to participate in the experiment.

Safety
There are no risks involved in taking part in these experiments. The manipulandum will only produces forces if all safety switches are active. (one safety switch is on the handle of the robot, the other emergency stop in the hand of the experimenter). As soon as the subject releases the safety switch or the experimenter pushes the emergency button, the robot turns off. The experimenter will always be in the same room as the subject.

Precautions
Please bring (reading) glasses and or lenses if you have them.

The experiment
The experimenter will first put you comfortably in the chair of the setup, in front of the manipulandum. He will adjust its height so you have full vision of the scene and can comfortably perform the task. The experimenter will verbally instruct what your task is and during the experiment the computer will produce beeps and provide text in the screen to guide you through the experiment.
STUDY-SPECIFIC INFORMED CONSENT FORM

For participation in:

☐ Behavioural  ☐ EEG  ☐ Sled  ☐ Robot  ☐ EEG-FES

*Tick the applicable box(es)

To be filled out by the PARTICIPANT prior to the start of the experiment:

I confirm that:
- I was satisfactorily informed about the study both verbally and in writing, by means of the general information brochure and additional study specific information brochure(s) (version 2.0, February 2018).
- I have had the opportunity to put forward questions regarding the study and that these questions have been answered satisfactorily.
- I have carefully considered my participation in the experiment.
- I participate voluntarily.

I agree that:
- My data will be acquired and stored for scientific purposes as mentioned in the general information brochure.
- My anonymized experimental data will be shared beyond the scope of this study for scientific purposes only with other researchers or research groups.
- I will be informed by a designated expert, my general practitioner or a general practitioner of the Academic General Practitioner Center Heyendaal about any information which is of clinical relevance to me.

I understand that:
- I have the right to withdraw from the experiment at any time without having to give a reason.
- I have the right to request disposal of my experimental data up to 1 month after participation.
- My privacy is protected according to applicable European/Dutch law.
- My consent will be sought every time I participate in a new experiment.

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I agree that I can be approached for a future study.                  YES/NO

(make a choice)

I give my consent to take part in this experiment:

Name:……………………………………………….. Date of birth:……………………………....... (dd/mm/yy)

Signature:.............................................................Date and place:………………………………………………...

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To be filled out by the RESEARCHER prior to the start of the experiment:

The undersigned declares that the person named above has been informed both in writing and in person about the experiment. He/she guarantees subjects’ privacy protection according to Dutch law.

Name:……………………………………………….. PI group:………………………………………………………

DCC PPF number:…………………………………………………………………………………………………….

Signature:……………………………………………Date and place:………………………………………………
To be filled out by the PARTICIPANT prior to the start of the experiment

Please answer the following question first

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Are you younger than 16 years?</td>
<td></td>
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If you answered Yes to the above question, you are not able to participate in the experiment.

Signature: Date:

To be filled out completely by the RESEARCHER after the experiment

**Adverse event**

If YES:

- Date and time of occurrence: 
- Description:
- Severity: mild/moderate/serious
- Relation to measurement procedure: none/unlikely/possible/likely/definite
- Action taken:
  - Abated / follow up:
    - Follow Standard Operating Procedure Adverse Event

**Incidental Finding**

If YES:

- Date: 
- Abated / follow up:
  - Follow Standard Operating Procedure Incidental Finding

**make a choice**

* This form is only to be used for research with people of 16 years or older, who are of sound mind and judgment. The person involved has to give his or her consent personally.