**2019**

**DEPARTMENT OF PSYCHOLOGICAL SCIENCES**

**BIRKBECK UNIVERSITY OF LONDON**

**ETHICAL APPROVAL FORM FOR RESEARCH INVOLVING ADULTS**

**Please fill out this application carefully and ensure that you answer EVERY question and that it contains all relevant signatures. Incomplete forms will be returned.**

***Please submit all applications electronically to*** [***ethics@psychology.bbk.ac.uk***](mailto:ethics@psychology.bbk.ac.uk)

**Submission dates**

***Routine applications*** *may be submitted at any time. The chair of the ethics committee reviews them monthly and you will* ***not receive*** *any correspondence from the committee. Once the application has been submitted your Supervisor can give you permission to start your research.****NON ROUTINE applications:*** *Dates for submitting them are on the departmental ethics webpage.   
You will receive an email informing you of the committee’s decision.*

***Please indicate in the subject title of your e-mail if the application is ROUTINE or NON ROUTINE***

**Question 1: Is this application routine or non-routine? Please select the appropriate box, below.**

**If routine, you need to provide the relevant Birkbeck Psychology Ethics approval number(s) and date(s) of approval for the associated non-routine application**

**ROUTINE**

|  |  |
| --- | --- |
| Previous Non-Routine  Approval Number(s) | Previous Non-Routine  Approval Dates (s)  **(within the last 3 years)** |
| **1812000   \_ \_ \_ \_ \_ \_** | **09/09/2019  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

**IMPORTANT: For routine applications, you must attach to your e-mail a copy of all original documentation for each routine approval number that you list (i.e. application forms, appendices, and final versions if amendments were required). If you are unable to provide original documentation or ethical approval for the original study has expired, you may be required to complete a new non-routine form.**

**NON-ROUTINE** ( for Non-Routine go to Qn2)

*Notes: An application is non-routine if the proposed research raises ethical issues for which the applicant/supervisor does not have existing approval. An application is routine if the proposed study is so close to a previous one which has received ethical approval that there are no new ethical issues to be considered. Applicants should discuss this with their supervisor.*

**Question 1a: Please detail why this application is routine.**

*Notes: Explain the difference between this application and the already approved one (e.g. a change in age range, a change in stimulus on the computer screen – in other words, changes which would not be considered significant).*

**Routine explanation:** Experiment shortened from two days to one day. Participants are asked to judge a different property of the visual stimuli.

**Previous approval number and date:** 1812000, 09/09/2019

**Question 2: Title of the study**

*Notes: The title should be a single sentence*

**Title:** How expectedness influences perception

**Question 3: Primary applicant**

*Notes: The primary applicant is the name of the person who has overall responsibility for the study. If you are a student or research assistant, the primary applicant will be your supervisor.*

**Applicant name:**

Dr Clare Press

**Question 4a: Co-applicants (Staff, PhD, Masters)**

*Notes: List the names of all researchers involved in the collection and analysis of data, and their specific role (e.g. Staff, Masters, PhD)*

**Co-applicant name:**

Kirsten Rittershofer, PhD student

Peter Kok, Staff (UCL)

Matan Mazor, Staff

Emma Kate Ward, Staff

**Question 4b: Co-applicants (Undergraduates)**

*Notes: List the names of all researchers involved in the collection and analysis of data, and their specific role (e.g. Undergraduate)*

**Name:** N/A  **Student ID:** N/A

**Question 5: Contact details**

*Notes: Please provide email addresses for all applicants. The approval certificate will be sent via email and must be retained*

**Email addresses:**

Dr Clare Press [c.press@bbk.ac.uk](mailto:c.press@bbk.ac.uk)

Kirsten Rittershofer [k.rittershofer@bbk.ac.uk](mailto:k.rittershofer@bbk.ac.uk)

Peter Kok [p.kok@ucl.ac.uk](mailto:p.kok@ucl.ac.uk)

Matan Mazor [m.mazor@bbk.ac.uk](mailto:m.mazor@bbk.ac.uk)

Emma Kate Ward e.ward@bbk.ac.uk

**Question 6: Where will the study take place?**

*Notes: Indicate where the study procedures will take place. For example, lab, homes, public place.*

**Location:** In participants’ homes (online experiment).

**Question 7: Briefly describe the purpose and rationale of the research**

*Notes: Attach any detailed research proposals, if they have been/will be submitted to a funding body. Make the objectives of the study clear*

**Purpose and rationale:**

Our sensory receptors are constantly bombarded with incoming information. The huge amount of input is challenging, but in addition the input is very often noisy, incomplete or ambiguous. It has been widely suggested over the last two decades that our brains must use predictions about what is likely in order to perceive. Living in a mostly stable world and extracting its statistical regularities allows us to form predictions about upcoming sensory input and theories have proposed that we upweight perception of what is expected, making our percepts more veridical. However, theories in the action literature largely state that expected events are downweighted and instead focus on upweighting unexpected events as they are more informative. This project aims to examine an “opposing process theory”, which tries to resolve this paradox and to explain how perception can be both veridical and informative. Under this two-process model, probabilistic knowledge initially biases perception towards what is likely, yet reactively upweights events that are particularly surprising – and to a greater extent than upweighting due to events being in line with expectations. Here, we want to test a prediction from this theory, namely whether the particular level of (un)expectedness determines whether perception is up- or downweighted.

**Question 8: Is anyone funding the costs of the study?**

*Notes: Give the name and address of funding bodies (eg ESRC) or other sponsorship*

**Funding:** -

**Question 9a: Describe the methods and procedures of the study**

*Notes: Please provide FULL information. : Do not merely list the names of measures and/or their acronyms; summarize them briefly (e.g. Buss-Durkee Hostility Inventory: a standardized self-report measure of trait aggression). Include any information about any interventions, interview schedules, duration, order and frequency of assessments and so on.* ***It should be clear exactly what would happen to participants.***

**Methods and procedures:**

The study will take place online. Information on screen will introduce the study to the participant and inform them of what is required. It will assure confidentiality and their right to withdraw at any time for any reason. They will then tick a consent form button if they are satisfied with the requirements of the study. They will be told that they can take breaks whenever they want to.

The task will involve participants performing finger movements, observing visual stimuli, and making decisions about their percepts.

All participants will be debriefed at the end of the experiment and be provided with payment. The entire procedure (including breaks) will last no longer than 60 minutes. We will record participants’ responses and investigate how reaction time and accuracy are influenced by expectedness.

**Question 9b: What materials and techniques (e.g. EEG, imaging) are to be used in the study?**

*Notes: Please list all materials and techniques described in Q8a and confirm they are attached (e.g. questionnaires, specific information about particular techniques such as EEG. These are in addition to the general information sheet about the study which is dealt with in Q15).*

**Materials and techniques**

The experiment will be run on a desktop computer or laptop. Finger tapping movements and responses will be recorded by button presses.

**Question 10a: For Researchers, describe any potential risks or adverse effects resulting from participation and what measures have been taken to address them?**

*Notes: Describe any discomfort or inconvenience that researchers may experience. Include information about location of the study, when the study is taking place, and possible safety risks to the researcher. Please ensure that your methods have a valid safety and risk assessment. Risk assessment forms/examples can be found on the ethics website or from the ethics committee.*

**Risks or adverse effects for researchers:** N/A

**Please indicate that the risk assessment associated with your research is attached:** yes /~~no~~ (same as for routine application of 08/04/2020)

**If ‘no’, please explain why:**

**Question 10b: For Participants, describe any potential risks or adverse effects resulting from participation and what measures have been taken to address them?**

*Notes: Describe any discomfort or inconvenience that participants may experience. Include information about procedures that for some people could be physically stressful or might impinge on the safety of participants, e.g. noise levels, visual stimuli, equipment; or that for some people could be psychologically stressful, e.g. mood induction procedure, tasks with high failure rate, personal experience questions.*

**Risk or adverse effects for participants:**

We do not anticipate any significant risk or adverse effects as our previous research using similar methodology have not resulted in any distress to participants. The actions are unlikely to be strenuous for our sample, and participants are provided with many breaks to make sure. It will be communicated to participants that they are free to leave the experiment at any point and are not required to provide a reason for doing so.

**Question 11: Who will the participants be?**

*Notes: Describe (a) the groups of participants that will be recruited; (b) the main inclusion and exclusion criteria and (c) make clear how many participants you plan to recruit into the study in total.*

**Participants:**

We aim to get no more than 500 usable datasets per experiment. However, this likely means testing some more participants in order to arrive at the final design (e.g., we will be piloting on a handful of participants to ascertain the right stimulus duration, to avoid ceiling and floor effects). The criteria for exclusion will be having impaired vision which is not corrected (glasses, contact lenses, etc.) and/or a history of psychiatric or neurological illness or movement disorder. This sample size is standard within the research field as a compromise between efficiency and statistical power.

**Question 12: Describe the recruitment procedures for the study**

*Notes: Give details of how potential participants will be identified or recruited. Include all advertising materials (posters, emails, letters etc.) as appendices and refer to them as appropriate. Describe any screening and selection procedures (e.g. collecting medical history, SES information) and explain why they are necessary*

**Recruitment:**

We will use the online Prolific subject pool to collect the main sample. The screening and selection procedure will involve listing the exclusion criteria mentioned above in the study advertisement with the instruction not to sign up if they satisfy any of these conditions. There will be no attempt to collect medical history or other information to verify their eligibility should they decide to participate.

**Please confirm that you read the Recruiting Research Participants document on the ethics website:** yes/~~no~~

**Question 13: Describe the procedures to obtain informed consent**

*Notes: Describe when and how consent will be obtained. Give details of who will take consent and how it will be done. If you plan to seek informed consent from vulnerable groups (e.g. people with learning difficulties, victims of crime), say how you will ensure that consent is voluntary and fully informed.* ***Please note that students are not allowed to carry out research with vulnerable groups and on sensitive topics.***

**Informed consent procedure:**

Participants will be informed of the nature of the task, their rights and how their data will be used from reading the detailed information sheet provided at the beginning of the testing session (see appendix). A consent form with this information will also be provided at the start. The study does not aim to recruit from vulnerable groups.

**Question 14: Will consent be written?**

*Notes: If yes, please include a consent form.* ***A draft consent form is at the end of this application, please complete/adapt as necessary and attach as an appendix****. If no, describe and justify an alternative procedure (verbal, electronic etc.)*

**Written consent:** ~~yes – see appendix~~/no

Electronic consent will be collected. (see appendix)

**Question 15: What will participants be told about the study? Will any information on procedures or the purpose of the study withheld? If any information is to be withheld, justify this decision.**

*Notes:* ***A draft information sheet that sets out the purpose of the study and what will be required of the participants is at the end of this application. Please complete/adapt as necessary and attach as an appendix.***

**Information given to participants:**

Participants will be provided with the information sheet in the appendix which lists the purpose and procedures of this study. No information concerning these will be withheld.

**Question 16: Describe the procedures in place for maintaining that participant personal information and data collected will be treated with confidentiality and their anonymity respected. Please list all people who will have access to the data.**

*Notes: Personal identifying information is defined as:*

* ***Biographical information or current living situation****, including dates of birth, Social Security numbers, phone numbers and email addresses.*
* ***Looks, appearance and behaviour****, including eye colour, weight and character traits.*
* ***Workplace data and information about education****, including salary, tax information and student numbers.*
* ***Private and subjective data****, including religion, political opinions and geo-tracking data.*
* ***Health, sickness and genetics****, including medical history, genetic data and information about sick leave.*

*Include how any identifying information will be kept separate for data collected; where data will be stored and for how long; what use will be made of the data. Say who will have access to participants’ personal data and for how long personal data will be stored or accessed after the study has ended. If using interview data, describe how you will ensure that all identifying information will be removed from the transcripts. Please state how long you will keep consent forms for (e.g., until marking of project, publication of data)*

**Please state your data management plan:**

The data we record will be strictly limited to what is necessary to achieve our research goals We will not collect identifying information such as names and contact details. Demographic data, including age, country of origin, employment status, first language, nationality, sex, and student status, is collected automatically by Prolific, and will not be used or shared by us. This sensitive data will be stored securely and separately from the anonymised experimental data we intend to gather and will be destroyed before 5 years have passed. Anonymized data will be made available on an online repository, to ensure reproducibility and transparency. The information we are recording, how we are going to use it and participants’ rights regarding this will be transparently disclosed in the information and consent forms provided to participants at the beginning of the study session.

**Procedures for confidentiality and anonymity:**

Confidentiality and anonymity will be ensured using Prolific’s anonymized ID, instead of name or name initials, as subject identifiers. Demographic data will not be shared with any third party.

**Are you recording personal identifying information:**

We will record no personal identifying information. Demographic data, including age, country of origin, employment status, first language, nationality, sex, and student status, is collected automatically by Prolific.

**Why do you need to record personal identifying information:**

We will not record personal identifying information. Generic demographic data will be used to extract mean statistics at the group level.

**How long will personal identifying information be kept:**

We will not record personal identifying information.

**How are you ensuring that personal identifying information will be kept separate from research data:**

We will not record personal identifying information.

**Will you be uploading your anonymised data to an online repository?**

Yes, we will upload all anonymized data to an online repository.

**Question 17: What payments, expenses or other benefits and inducements will participants receive?**

*Notes: Give details. If it is monetary say how much, how it will be paid and on what basis is the amount determined.*

**Payments:**

Participants will be paid for their time, ensuring an hourly wage of £7.5 or higher.

**Question 18: At the end of the study, what will participants be told about the investigation?**

*Notes: Give details of debriefings, ways of alleviating distress that might be caused by the study.*

**Debrief document attached:** yes/~~no~~

**Ways of alleviating distress:**

At the end of the session there will be an onscreen debrief describing of the purpose of the study and general aims

**Question 19: Has the person carrying out the study had previous experience of all of the procedures to be used in the study? If not, who will supervise and/or train that person?**

*Notes: Say who will be undertaking the procedures involved and what training and/or experience they have. If supervision is necessary, indicate who will provide it.*

**Name of researcher:**

Kirsten Rittershofer

**Training:**

The researcher has previous experience running behavioural experiments in the lab and online via Prolific and Gorilla and further training or supervision will be provided by the supervisor (Dr Clare Press) should it be necessary.

**Question 20: Signatures of the study team (including date)**

*Notes: The primary applicant and all co-applicants must sign and date the form. Scanned or electronic signatures are acceptable. Alternatively typing the full name represents your hand-signed signature.*

*The Primary applicant needs to copied by email into your email application.*

*press <enter> to enlarge the size of the box*

*Primary applicant*

*NAME: Clare Press SIGNATURE: C PRESS DATE: 22/04/2021*

*Co-applicant 1*

*NAME: Kirsten Rittershofer SIGNATURE: K Rittershofer DATE: 22/04/2021*

*Co-applicant 2*

*NAME: Peter Kok SIGNATURE: P KOK DATE: 22/04/2021*

*Co-applicant 3*

*NAME: Matan Mazor SIGNATURE: M MAZOR DATE: 27/01/2022*

*Co-applicant 4*

*NAME: Emma Kate Ward SIGNATURE: E WARD DATE: 27/01/2022*

**DEPARTMENT OF PSYCHOLOGICAL SCIENCES**

**BIRKBECK UNIVERSITY OF LONDON**

**CONSENT FORM FOR:** How expectedness influences perception

ELECTRONIC CONSENT

This experiment has been approved by the Department of Psychological Sciences Research Ethics Committee at Birkbeck, University of London. This study is supervised by Dr Clare Press, if you have any issues and wish to contact her, please email: [c.press@bbk.ac.uk](mailto:c.press@bbk.ac.uk).

A code will be attached to the data you provide so that it remains anonymous, and you will not be personally identifiable.

Taking part in this study is completely voluntary; you may withdraw at any time without having to give a reason.

Thank you for agreeing to take part in this experiment! Before we continue, we need your consent to the following:

1. I understand the details of the study and willingly consent to take part.
2. I understand and consent to my anonymized responses being recorded and stored openly in an online database.
3. I understand that an anonymised code will be attached to my data so that I will not be personally identifiable, and consent to my responses being used anonymously for this study only.
4. I understand that I may withdraw my consent for the study at any time without giving any reason. I understand that I will be able to withdraw my data up to the point of publication.
5. I am over 18 years of age.

I consent to items 1-5 above. *(Participants can only continue with the study once they have consented.)*

**DEPARTMENT OF PSYCHOLOGICAL SCIENCES**

**BIRKBECK UNIVERSITY OF LONDON**

**INFORMATION SHEET FOR:** How expectedness influences perception

Before you decide to take part in this study, it is important for you to understand why the research is being done and what it will involve. Please take the time to read the following information carefully and discuss it with others if you wish. A member of the research team can be contacted if there is anything that is not clear or if you would like more information. Take time to decide whether or not you wish to take part.

This experiment is investigating peoples’ abilities to perform actions and to quickly and accurately respond to visual stimuli.

There are no disadvantages or risks involved in taking part in the study.

The results of this project will be written up for a PhD dissertation and publication, and they will possibly be disseminated at conferences). You will be given a participation number which will be used to process any data provided by you, to ensure your participation remains fully anonymous*.*

You have the right to withdraw participation at any point up until the point that the anonymised data can no longer be identified.

The project has received ethical approval from the Department of Psychological Sciences Research Ethics Committee of Birkbeck University of London

Primary investigator contact details: c.press@bbk.ac.uk

For information about Birkbeck’s data protection policy please visit:

http://www.bbk.ac.uk/about-us/policies/privacy#7

If you have concerns about this study, please contact the School’s Ethics Officer at: ethics@psychology.bbk.ac.uk

School Research Officer

School of Science, Department of Psychological Sciences

Birkbeck, University of London

London WC1E 7HX

You also have the right to submit a complaint to the Information Commissioner’s Office

https://ico.org.uk/

**DEPARTMENT OF PSYCHOLOGICAL SCIENCES**

**BIRKBECK UNIVERSITY OF LONDON**

**DEBRIEF SHEET FOR:** How expectedness influences perception

The aim of this experiment is to see how perception is influenced by prior expectations.

We will examine whether there are differences in reaction times and accuracies between expected and unexpected trials.

If you have any queries or concerns, please contact the primary researcher at k.rittershofer@bbk.ac.uk.

**General Risk Assessment Form**

**The purpose of a risk assessment is to identify possible causes of harm, the likelihood of that harm actually occurring given the safeguards already in place and any further safeguarding measures needed to reduce that likelihood still further - before an accident occurs.**

A **hazard** is anything with the potential to cause harm e.g. a knife in catering. The potential **severity of harm** from our knife could be a minor cut needing a plaster if peeling potatoes with a small knife or a serious cut or worse if chopping with a large knife. The **likelihood** that an event of  a particular severity will actually occur takes into account the control measures already in place e.g. use of a potato peeler instead, use of a chain-mail glove when chopping, proper training, etc.  The **level of risk** is the product of the likelihood and the potential severity.  A high level of risk is one where an event is very likely to occur and may cause death or serious injury/illness. A low level of risk is one where an event is unlikely or would result in a trivial or minor injury/illness with little or no time off work. A medium level of risk is in between these two e.g. an event that is reasonably likely and could result in several days off work.   By carrying out a **risk assessment**, you can direct attention and resources where they are most needed to prevent injuries or ill-health.

1. **Full description of work to be undertaken, frequency and duration**

The proposed work will involve recruiting research participants to take part in computerised tasks. These tasks will take place either in the testing labs of the Department of Psychological Sciences (the MERLIN lab) or online (i.e., completing the task from their own home). The lab-based task will recruit subjects from the Birkbeck SONA subject pool and the online version will use Prolific ([www.prolific.co](http://www.prolific.co)).

The lab-based task will involve participants sitting at a desk, performing actions with their hands/fingers, subsequently perceiving visual, tactile or auditory stimuli and pressing buttons on a keyboard to record their responses. Tactile stimuli will be delivered by solenoids attached to participants’ fingers with microporous tape and the tactile stimulation they deliver is very light and not painful at all. Presentation of visual and auditory stimuli will not involve any specialist equipment. This lab-based task will run on a standard desktop computer and the online task will follow an identical format except participants will access it unsupervised on their own computer device.

The task often requires participants to complete a training session 24hrs before completing the test session. The task in total will last no longer than 90 minutes and we will run the lab-based version a maximum of 5 times per day. Participants will receive a break at least every 40 trials, which equates to under 5 minutes of task. We aim to recruit roughly 30 subjects for the lab task and 60 for the online task, which will mean the duration of the project will be roughly 2-4 weeks depending on the amount of participants that sign up to take part and the availability of the researchers.

1. **Identified hazards involved in the work and the possible injury types and severity of harm that could result.**

A potential hazard could be repetitive strain injury (RSI) in participants completing repeated finger and arm movements as required by the action component of each trial. This likelihood and severity of this is low due to the regularly occurring breaks in the task (every 3-5 minutes) and the provision of a foam wrist rest should reduce the likelihood of experiencing physical discomfort. The researcher will emphasise to participants that they can take as long as needed in each break. The actions have also been selected by the researchers to avoid any large or strenuous movements.

The subject could potentially suffer eye strain from fixation on the computer monitor over long periods of time. This likelihood and severity of this is low due to the regularly occurring breaks in the task. For the lab task the subject will also be seated at an appropriate viewing distance from the computer monitor (> 60 cm). Similarly, subjects could become uncomfortable being seated for a long period of time. Again, the likelihood and severity of harm from this is low due to the regularly occurring breaks where they will be able to stand up and walk around, as well as the testing cubicle being equipped with a comfortable chair to sit in.

For the lab task, a potential hazard would be an unsafe testing environment (e.g., faulty electrical equipment, tripping hazards on floor). The risk of injury here is low as the researcher will ensure the testing cubicle is kept tidy and all electrical equipment is safe to use.

For the lab task, there is potential that the recruited participant will be dangerous or will have a medical condition that will put them in danger. The likelihood of this happening is low and the Birkbeck security team will be contacted in cases of emergency by dialling 555 on a land-line phone.

1. **All possible staff groups & individuals likely to be affected by the work i.e. don't forget the cleaners.**

The individuals that are likely to be most affected by the work are the researcher that is conducting the lab-based experiment, the recruited participants and the occupants of neighbouring rooms in the laboratory.

1. **What is your assessment of the level of risk - the chance of an injury of that severity from that hazard?  Calculate low/med/high from the method described below.  Take account of  the existing safety controls e.g. engineering controls, information, training, protective equipment, monitoring, etc.  List those here.**

The possible severity of harm is 1 (minor harm), the likelihood of harmful events happening is 1 (unlikely to occur) and the frequency of exposure is a 3 (task carried out daily or even more often). Therefore, the calculated risk level is 3 (low risk).

Current safety controls in place include close monitoring and training of the researcher by a supervisory team, a careful screening and exclusion procedure when recruiting subjects and the Birkbeck security team being easily contactable in cases of emergency.

**Are any additional controls necessary to reduce the risk level further? e.g. more information, instruction, training, engineering controls, protective equipment or clothing, monitoring, etc. If so list them here.**

No further controls are necessary

1. **Level of residual risk after existing and any new controls are in place. Calculate low/med/high from the method described below**

Low

1. **State here the monitoring procedure to ensure safe implementation of the activity.**

The study will have received ethical approval by the Birkbeck Psychology Ethics Committee before it is carried out. The supervisor of the project (Dr Clare Press) and other members of the lab group will also be involved in closely monitoring the research project to ensure it runs safely

1. **Signed and dated**

C.Press

08th April 2020

**8. Review date**

|  |  |
| --- | --- |
| |  | | --- | |  |   **SIMPLE RISK LEVEL ESTIMATION**  RISK LEVEL = (A) POSSIBLE SEVERITY OF HARM FROM THE HAZARD                           **X** (B)  LIKELIHOOD OF HARMFUL EVENT OCCURRING (A) POSSIBLE SEVERITY OF HARM             1 = Minor harm (< 3 days off work) 2 = Moderate  harm (> 3 days off work) 3 = Serious harm (death or major injury)  (B) LIKELIHOOD OF HARMFUL EVENT (taking control measures into consideration) 1 = An event that could result in harm of that severity is unlikely to occur 2 = An event that could result in harm of that severity is has a reasonable chance of occurring 3 = An event that could result in harm of that severity is likely to occur  A RISK LEVEL (A x B) OF: 6/9 = High Risk - Take immediate action to reduce risk by elimination or more controls 4   = Medium Risk - Take action within a few days to reduce risk level by elimination or more controls 2/3  = Low risk  - Accept **unless** (B) i.e. LIKELIHOOD is marked 2/3.  If so, take action within a few days to reduce risk level by elimination or more controls.  1 = Very Low Risk - Accept risk or take action to eliminate risk when resources allow A Frequency of Exposure  (FE) can also be introduced to further differentiate risk levels (FE x A x B) 1 = Task carried out only infrequently (several months between tasks) 2 = Task carried our weekly - monthly 3 = Task carried out daily daily or even more often |

**Departmental Ethics Committee**

**DEPARTMENT OF PSYCHOLOGICAL SCIENCES**

**BIRKBECK COLLEGE UNIVERSITY OF LONDON**

**CLASSIFICATION OF RESEARCH PROPOSAL**

**Date of approval:** 09/09/2019

**Supervisor:** Clare Press

**Investigator(s):** Dr Daniel Yon, James Chard, Emily Thomas, Carl Bunce

**Reference Number:** 1812000

**Title of project:** Motor contributions to perception

Dear Clare,

The above application has been given ethical approval by the departmental ethics committee.

You should be aware that it is your responsibility to report any unexpected problems or events arising from the research that might have adverse consequences for you and/or your participants. In the first instance, please discuss with your supervisor who will advise you as to whether the problem causes a change to the planned research and needs further ethical approval from the committee. If so, please submit a revised application giving details of why this is necessary.

Approval for this study expires Sept 2022. If the study is still ongoing at this time please submit a renewal of ethical approval form that can be found on the departmental webpage.

Please retain this certificate for your records.

Good luck with the research.

Natasha Kirkham

Chair of the departmental ethics committee