



**Trinity College Dublin**  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin

SCHOOL OF PSYCHOLOGY and INSTITUTE OF NEUROSCIENCE  
TRINITY COLLEGE DUBLIN

## **Participant Information Sheet**

### **Title of the research study:**

The formation of multisensory object categories in adults: An online investigation

Thank you for considering to take part in this research study. Before deciding if you would like to enroll, it is important that you understand why the research is being done and what it will involve. Please read the following information carefully and discuss it with others if you wish. If anything is unclear, please contact the researcher for clarification (Fiona Newell: [fnewell@tcd.ie](mailto:fnewell@tcd.ie)).

### **Purpose of the study**

The purpose of this study is to understand how objects are recognised using visual and auditory information (i.e. the shape and sound of the object).

### **Your participation**

You have been approached about this research because you have been identified as a healthy adult over the age of 18. The study involves the presentation of visual stimuli and auditory stimuli, often with detail, so if you have diagnosed sight or hearing impairments that would effect the ability to see or hear the stimuli then we do not recommend participation in this study.

Your participation, in this project is voluntary. If you do decide to take part, after

reading this information, please tick the appropriate consent box when prompted.

Even if you tick the consent box and start the task, you are free to withdraw your consent and discontinue your in this study at any stage before or during the experiment without any questions being asked by us. To discontinue the study during the task press the “Esc” key on your computer or close the browser window on your device at any time. Immediately following the task, your data will be stored as anonymous so that they cannot be linked to you in any way.

### **What will happen if you consent to the study?**

For this study, you will need a quiet room and a computer or tablet with working audio output (or headphones/earphones) and access to the internet. You will receive a weblink that will take you directly to the online experiment and short questionnaire. In total the experiment should last no longer than 30 minutes, with breaks.

First and second year undergraduate psychology students will be reimbursed with research credits for their time (1 credit per half hour).

### **Experiment**

The experiment will involve answering some initial questions followed by an online task:

First we will ask you to provide some basic demographic details about yourself: Male/Female, age, whether or not you have normal vision or wear glasses, and handedness.

Task example: you will first be required to learn to categorise a set of objects from either their image, sound or both their image and sound presented together. For example, you might be shown an image of a animal on its own, the sound of a animal on its own or both the animal image and sound together. For each presentation, you will learn to categorise it into one of two categories (e.g. farm animal or pet animal). You will then be shown a set of new objects and you will have to decide, for each object, to which category it belongs. You will be asked to perform the task as quickly and as accurately as possible.

You have the right to have your questions about the procedures answered (unless answering these questions would interfere with the study's outcome). If you have any questions as a result of reading this information sheet, you should ask the researcher before the consenting to partake in the study. All procedures will be explained again before commencement of each experiment.

### **Benefits of participation**

There are no known direct benefits to participating in this experiment. Instead, by participating you will be helping towards a better understanding of how our brains take in information from our senses to make meaningful interpretations of that information.

### **Risks of participation**

There are no physical or social risks involved in taking part in this study. Any risks involved in participating in this study are no greater than the risks you encounter in everyday life.

### **What will happen with your personal details?**

We do not ask you for, nor take a record of, your personal data. Upon completion of the task your data are assigned a unique ID (not your name or student number) that cannot be linked to you. All the information that we collect about you during the course of the research will be kept strictly confidential and stored on our secure computers or in folders locked in secure filing cabinets located in the multisensory lab/testing suite at TCIN. Only the research team and principal investigator will have access to these data.

During dissemination, the data presented in talks or papers will never feature information about individual participants, only anonymous ID numbers.

Note that confidentiality of collected information may only be breached if:

- The research team has a strong belief or evidence exists that there is a serious risk of harm or danger to either the participant or another individual.
- Disclosure is required as part of a legal process or Garda investigation. Where

possible, a full explanation will be given to the participant regarding the necessary procedures and also the intended actions that may need to be taken.

**Where will the research take place?**

The study will take part online in a quiet room of your choosing.

**What if you have any concerns?**

If you have any concerns or complaints arising from this research study, please contact a member of the researcher team (contact details below).

Researchers:

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