



# Are you aged 35 years or over? Have you ever regularly used drugs?

MACQUARIE UNIVERSITY IS CONDUCTING A STUDY ON THE RELATIONSHIP BETWEEN ALCOHOL AND OTHER DRUGS AND COGNITIVE FUNCTION

## WHAT IS THIS STUDY ABOUT?

This study is aimed at investigating cognitive functioning in middle and later life. Specifically, we are examining cognitive functioning in those who have or have not used drugs and/or alcohol throughout their lifetime.

## WHAT DOES PARTICIPATION INVOLVE?

If you decide to participate, you will be asked to complete an online questionnaire and cognitive assessment held remotely via Zoom, or in person at Macquarie University (where COVID restrictions permit). This assessment will involve a number of different tasks to measure your cognitive function, including your memory, attention and cognitive flexibility. This portion of the study will take approximately 1-1.5 hours to complete, with breaks as needed.

You will also have the option to have your brain measured using magnetoencephalography (MEG), which records the magnetic fields generated by the brain when it processes information. If you choose to complete the MEG scan, you will complete a short cognitive task whilst in the MEG system. The MEG portion of the study will take up to 1 hour to complete and will be conducted separately to the cognitive testing.

## WHAT DO I NEED TO DO TO PARTICIPATE?

If you are interested in finding out more about this study, please contact the researcher at [rsuacstudy@mq.edu.au](mailto:rsuacstudy@mq.edu.au) or 0412 241 921.

You may be suitable if you:

- Are 35 years or older
- Have **previously** used drugs, but have not used in the past year (excluding alcohol and tobacco)
- Have no significant hearing, vision and/or memory loss
- Have no history of neurological issues
- Are proficient in the English language

You will receive \$10 for completing the cognitive assessment and questionnaire, in the form of an e-gift card of your choice. If you complete the study in full (with MEG), you will receive \$20 in total. If you are a student at Macquarie University, participation may be eligible for course credit.

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### FIND OUT MORE

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