**Do you have a sister with anorexia nervosa?**

**Would you like to help us understand more about how the brain reacts towards rewarding taste stimuli like chocolate?**

In this study, we are interested in understanding how the brain works when processing rewarding events using functional magnetic resonance imaging (fMRI) and electroencephalography (EEG), and whether having a sister with an eating disorder impacts the brain‘s response to rewarding and aversive taste and picture stimuli.

**What is involved?**

We will ask you to come in for a screening session where you will be asked questions about your mental health to check your eligibility for the study. At a second session you will be asked to take part in an fMRI scan while tasting pleasant and unpleasant drinks including a chocolate drink and while completing some computerised tasks. While you are in the scanner you will wear an EEG cap with electrodes attached to it.

In addition, we will ask you to fill in some questionnaires about your mood and emotional disposition. The study will take place at the University of Reading, Whiteknights Campus (Earley Gate).

Total duration of the study is approximately 3 hrs. You will be reimbursed £30 for your time and effort.

**Can I take part?**

For this investigation we are looking for right-handed females (18-45 years old) who have a sister (biological sibling) suffering from anorexia nervosa but who are themselves healthy with no history of an eating disorder or any other psychiatric disorder. Only the healthy sister will need to take part in the study.
Unfortunately, reasons why people cannot participate include: low literacy/learning difficulty, substance dependence, a significant medical including neurological illness, pregnancy.

**How do I take part?**

Participation is voluntary and you may withdraw at any time. All of the information you give us is anonymous, will remain completely confidential, and will be used for the purposes of this study only.

For more information please take a look at our website <http://www.ciaramccabe.co.uk/volunteers.html> or visit us on facebook <https://www.facebook.com/chocolateexperiment>

If you are interested in participating or would like further information without obligation, please contact Dr Stefanie Horndasch by e-mail at s.horndasch@reading.ac.uk or by telephone on 0118 378 6946.