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CUREC Reference number R51313

## Expression of Interest

### Brain Imaging sub-study 2.0

We have invited your child to participate in the Fit to Study **brain imaging sub-study**.

The study involves a **2.5 hours testing session** in a brain scanning centre in Oxford.

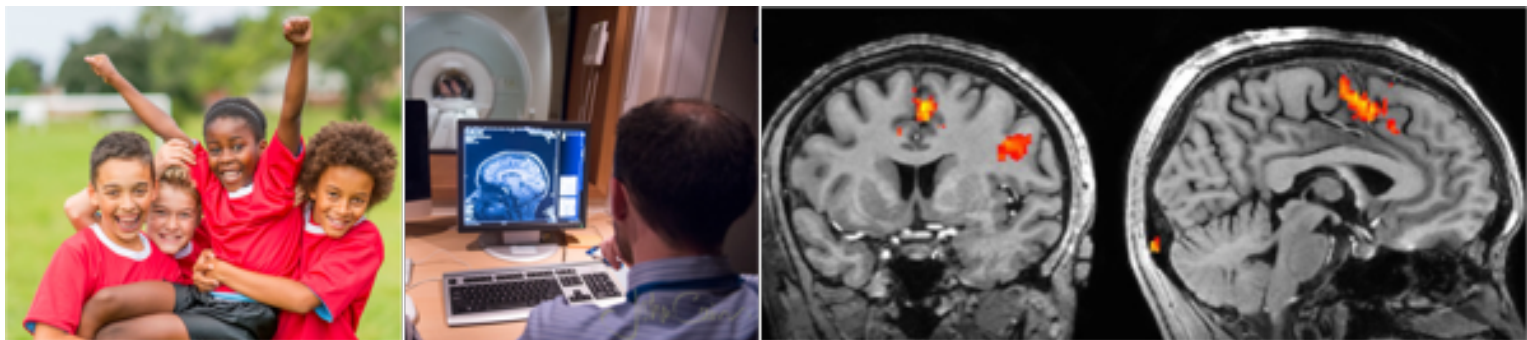
The testing includes some computer-based tasks and an MRI scan of the brain.

We can arrange the scanning session for any time that suits you during May or June 2018. A year from now a short follow-up computer-based session will also take place, either online at home or at the test centre in Oxford. More details about the study can be found on the back of this sheet.

**Please note, we can arrange a return taxi for you or reimburse your travel expenses.**

As children have to be accompanied to the brain imaging centre, it is crucial that **parents/guardians express an interest with us too**. Filling in the Expression of interest form and returning it to a teacher allows us to contact you to discuss the study in greater detail. Please note, expressing an interest does not commit you to taking part or guarantee participation in the study as we have a limited number of spaces available. During our follow-up phone call we will give you further information and you can then decide whether you would like to take part

Contact us by: [fittostudy\\_MRI@ndcn.ox.ac.uk](mailto:fittostudy_MRI@ndcn.ox.ac.uk), or call **07864 800761**.



We request that you provide us with your name, your child's name, telephone number, email address, and postal address in order to ease communication between us. If, however, you do not wish to be contacted via a specific communication method, please do not provide that information.

Name of pupil: \_\_\_\_\_

Name of parent(s) / guardian(s): \_\_\_\_\_

Tel. number (mobile/landline/work): \_\_\_\_\_

Email address: \_\_\_\_\_

Address: \_\_\_\_\_

# Brain Imaging sub-study 2.0 summary

## What is the purpose of the study?

The brain is divided up into many different areas. Each region functions in a specific way in order to help us during specific tasks, such as during reading or learning, or watching TV. We do not yet have a good understanding of the effect of physical activity on the brain and mental skills. We are interested in understanding how the content of Physical Education (PE) lessons in school affects the organisation and function of the brain.

## How?

In this study, we will use magnetic resonance imaging (MRI) to collect information relating to the structure and function of the brain. We will also ask pupils to complete some mental and physical tasks.

## Does my child have to take part?

It is up to your child to decide whether they want to take part. If they do decide to take part, they can still change your mind and withdraw at any time and without giving a reason. This will not affect them in any way.

## What will I do if my child agrees to take part?

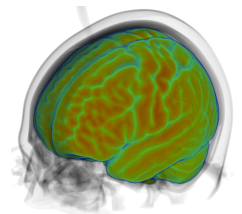
Before taking part, your child will fill out a safety questionnaire and they will be asked to sign a form stating that they are happy to participate.

In a typical school week before the visit, your child will be asked to wear a wristwatch-style activity monitor for 7-days. They will be able to run, jump, move and play as they normally do. They will be asked to bring the monitor with them to the first study visit.

The first study visit includes three parts and takes place in Oxford:

1. Tasks on a computer (e.g. of memory or attention) – up to 60 minutes.
2. An MRI brain scan– up to 60 minutes.
3. Some questionnaires – up to 30 minutes.

You will have to accompany your child to the study visit.



One-year after this first visit, we will ask your child to complete some pen-and-paper or computer-based online tasks. This can be either at home or at our center in Oxford.

## Can anyone have a scan?

Brain scanning is safe, but it is important to make sure that your child has no metal in their clothes or in their body. To check whether it is safe for your child to have a scan we will ask them questions beforehand including questions about any previous operations or accidents that may have involved metal. We will ask your child these questions over the phone before the visit and again on the day of the visit.

## More information

Please get in touch with the research team for more information. They will send you an information sheet with study details.