INSTRUCTIONS FOR USING THE COGNITIVE GRAPHS ANDROID APPLICATION

Thank you for volunteering to take part in our study on early Alzheimer’s disease diagnostics through outdoor navigation sensing.

In order to get the system started, please perform the steps described below. If you have any questions or experience any problem, please e-mail the following person with a number where they can call you back on.

Dr Sandra Servia-Rodríguez at ss2138@cam.ac.uk

If you do not have access to e-mail, please phone your local study coordinator who will be able to request a call back to you from our engineers.

Using the smartphone for outdoor sensing

The “Location Logger” application that is installed on your device collects the GPS coordinates of your position every 30 seconds. This coordinates are stored in your smartphone and send to our server once every 24 hours.

In order for it to work properly, we ask you for:

1. Keep your phone connected to the WiFi at least when you are at home. This is to allow the application to send the GPS traces to our server.
2. Keep the location sensor activated. This is to allow the application to collect GPS traces when required.
3. Do not close the application, stop or put it to sleep. You do not need to have it on the screen all the time, but it will be running on the background unless you take any action to close it.
4. Please, remember to recharge your smartphone as usual.

**Battery consumption warning (Samsung devices only)**

If you have a Samsung device, you might see a warning from the “device maintenance” app about our app and its battery consumption. Please, do not take any action to sleep, stop or close the application.

Samsung, Android 7: In order to avoid getting this warning, you can turn off the “App power monitor”. You can do so by clicking on “Settings” -> “Device maintenance” -> “Battery”. Then click on the three vertical dots at the top right -> “Advance settings” and deactivate the option “App power monitor”.

Samsung, Android 6: In order to avoid getting battery-related warnings, you can turn off the “Power saving mode” option. You can do so by clicking on “Settings” -> “Battery” -> “Power saving mode”. Then, below “Power saving mode”, you should set the bar to “Off”. Also, in the menu under “Battery”, they should have “App power saving” off (“Settings” -> “Battery” -> “App power saving” -> “DETAILS” and have it “Off”.

