# ImageJ and Python introductory programming sessions at Cellesce

# -**Mac Users**

# Setup

Please install all the below software before attending the course. You will need all this software to take part in the course. The instructions below are for Mac users only, please see the instructions for Windows if you are running a Windows computer.

We will be doing work in small teams (2-3). Please pair up with someone, if you are struggling to download the programs or do not have access to a suitable laptop.

# Objectives

To ensure everybody arrives at the course with the right software packages installed and to safe time in the course.

## **GitHub**

GitHub is a code hosting platform for version control and collaboration used by developers. It allows access and collaboration on a project from anywhere though the cloud. During the course, we will be introducing GitHub, learn how to perform simple tasks and access example codes.

* Go to [GitHub: Where the world builds software · GitHub](https://github.com/) and create an account following the instructions on screen
* Please send the e-mail address linked to your GitHub account to Belddyn (Joseph Williams; [WilliamsJM14@cardiff.ac.uk](mailto:WilliamsJM14@cardiff.ac.uk)) before the start of the 1st session so that he can add you to the Cellesce GitHub account

## **Docker**

Docker is an open-source platform for building, deploying, and managing containerized applications. The purpose of containerization is to provide a secure, reliable, and lightweight environment for applications that is consistent from host to host. We will be using a Docker container to introduce everyone to the concept.

* Go to <https://hub.docker.com/> and set up a free account
* Download and install Docker for Mac or Windows following the instructions

### **Example Data and Scripts**

Download the Example\_data folder and the Macro folder in a file called Workshop\_Data on your Desktop