

Training Opportunity for Portuguese Graduates

Title	Duty Station
Segmentation of 3D EM data (Schwab Team_3)	EMBL Heidelberg/Germany
Domain of activity and project Automated segmentation of 3D electron microscopy (EM) data. The Schwab team are producing volume EM data on a diverse range of biological specimens, the bottleneck is the segmentation of such data. We are applying most current softwares available for this task, as well as some that are under development. This project would ask the graduate to clean up and broaden the application of a new FIJI plugin that has been tested on a couple of datasets with impressive results.	
Required education IT, image processing and analysis.	
Knowledge, skills and any special requirements Programming is essential, and some knowledge on FIJI plugins would be advantageous but not necessary.	
Training opportunity for the Graduates The Schwab Team has a diversity of skills to share within the field of Electron Microscopy (EM) and Cell Biology. The team focuses on developing techniques to assist Correlative Light and Electron Microscopy (CLEM) and can provide extensive support on the topic. The graduate would be involved in the everyday activities of this development whilst following their own complex project. They would be trained on the interpretation of EM data and be involved in the biological project behind the data they will work with.	
Further information (website) https://www.embl.de/research/units/cbb/schwab/index.html	