

## Training Opportunity for Portuguese Graduates

Title	Duty Station
Ultramicrotome adaptation (Schwab Team_1)	EMBL Heidelberg/Germany
<b>Domain of activity and project</b> Adapt an ultramicrotome to an automated trimming tool for Electron Microscopy samples.	
<b>Required education</b> Programming (IT) will be essential and engineering or technical skills will be an advantage. In conjunction with the Schwab Team and the EMBL Mechanical Workshop, the graduate would work to programmatically control an ultramicrotome to perform a sequence of tasks that accurately (<5µm) trim a delicate sample. This is currently performed manually with a lot of input and feedback from the operator.	
<b>Knowledge, skills and any special requirements</b> The graduate would need to be able to understand problems in three dimensions and be able to apply solutions.	
<b>Training opportunity for the Graduates</b> 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). The graduate would be involved in the everyday activities of this development whilst following their own complex project. Extensive practical and theoretical training on ultramicrotomy would be provided, including explanation of why it is important for EM.	
<b>Further information (website)</b> <a href="https://www.embl.de/research/units/cbb/schwab/index.html">https://www.embl.de/research/units/cbb/schwab/index.html</a>	