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## **PhD Studentship in the Institute of Neuroscience ? Self-organization of retinal neurons: from developmental growth rules to realistic morphologies and connectivity** <sup>[1]</sup>

[Intel](#) <sup>[2]</sup>


[Newcastle University](#) <sup>[3]</sup>

### **Link:**

[PhD Studentship in the Institute of Neuroscience ? Self-organization of retinal neurons: from developmental growth rules to real](#) <sup>[4]</sup>

Monday, 14 March, 2016

Interested in how neurons develop? This PhD project will explore the development of retinal neurons, by conducting sophisticated computer simulations as well as testing theoretical predictions in the wet-lab.

 [PhD Studentship in the Institute of Neuroscience ? Self-organization of retinal neurons from developmental growth rules to realistic morphologies and connectivity.pdf](#) <sup>[5]</sup>

### **Phase:**

[openlab phase V](#) <sup>[6]</sup>

### **Technical area:**

[Computing Platforms \(offline\)](#) <sup>[7]</sup>

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**Links**

[1] <http://test-static-05.web.cern.ch/resources/spotlights/phd-studentship-institute-neuroscience-%E2%80%93-self-organization-retinal-neurons>

[2] [http://test-static-05.web.cern.ch/about/industry\\_members/intel](http://test-static-05.web.cern.ch/about/industry_members/intel)

[3] [http://test-static-05.web.cern.ch/about/research\\_members/NewcastleUniversity](http://test-static-05.web.cern.ch/about/research_members/NewcastleUniversity)

[4] <http://www.ncl.ac.uk/postgraduate/funding/sources/allstudents/12mrea.html>

[5] [http://test-static-05.web.cern.ch/sites/test-static-](http://test-static-05.web.cern.ch/sites/test-static-05.web.cern.ch/files/spotlights/2016/PhD%20Studentship%20in%20the%20Institute%20of%20Neuroscience%20%E2%80%93%20self-organization%20of%20retinal%20neurons%20from%20developmental%20growth%20rules%20to%20realistic%20models)

[05.web.cern.ch/files/spotlights/2016/PhD%20Studentship%20in%20the%20Institute%20of%20Neuroscience%20%E2%80%93%20self-organization%20of%20retinal%20neurons%20from%20developmental%20growth%20rules%20to%20realistic%20models](http://test-static-05.web.cern.ch/sites/test-static-05.web.cern.ch/files/spotlights/2016/PhD%20Studentship%20in%20the%20Institute%20of%20Neuroscience%20%E2%80%93%20self-organization%20of%20retinal%20neurons%20from%20developmental%20growth%20rules%20to%20realistic%20models)

[6] <http://test-static-05.web.cern.ch/about/phase-v>

[7] <http://test-static-05.web.cern.ch/technical-area/computing-platforms-offline>