

UNIVERSITY OF  
**EXETER** | LIVING SYSTEMS  
INSTITUTE

"If you dream... of future discoveries and inventions, let me tell you that the fertile field of discovery lies for the most part on those borderlands where one science meets another..."

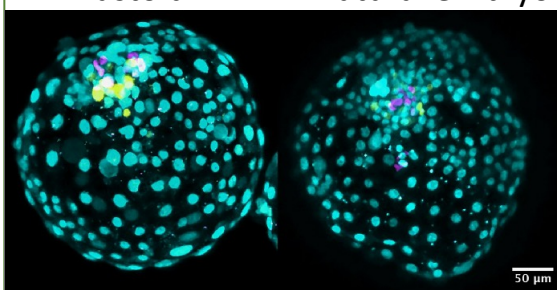
Sir D'Arcy Wentworth Thompson, 1903

## Postdoctoral research fellow in the team of Dr Ge Guo

We study the regulatory principles of pluripotency in stem cells and embryos. Recently, we discovered that human naïve pluripotent stem cells can differentiate to both embryonic and extra-embryonic cell types. We further found that a cellular model of the early embryo can be generated solely from naïve stem cells. We are recruiting talented post-doctoral researchers to advance these exciting new findings. <https://www.exeter.ac.uk/livingsystems>

Blastoid

Natural embryo



<https://doi.org/10.1016/j.stem.2021.04.031>

### Post-doctoral researcher (Job reference R73730)

You will study self-organisation and lineage segregation in our naïve stem cell model of early human embryo. You will apply bioengineering and biomimetic approaches in combination with molecular genetics, imaging and 'omics. The post is available from beginning of 2022 and is funded for three-years.

**About you:** PhD or equivalent qualification/experience in developmental biology and/or bioengineering. You will be interested in how the genome encodes morphogenesis and have the creativity to design incisive experimental and analytical approaches. You will have the technical ability to manipulate early embryo structures and experience in advanced imaging. Additional skills in 3D cell culture systems, genetic manipulation and 'omics will be an advantage. Prior experience with pluripotent stem cells is not essential and training can be provided.

Application details are available at <https://jobs.exeter.ac.uk>

Informal enquires: [Ge Guo, g.guo@exeter.ac.uk](mailto:Ge Guo, g.guo@exeter.ac.uk)