

## Research Placement opportunity for MSci Students

Applications are invited for undergraduate students who wish to be considered for an Undergraduate Research Placement in Galaxy Evolution with Professor Richard Ellis and Dr Sarah Bosman in the Astronomy Group.

### Project Description

The main goal of the project is to examine the role that galaxies play in ionising the intergalactic medium between galaxies. The project will involve analysing publicly-available deep imaging data taken with the Dark Energy Survey in areas where quasar spectra can provide insight into the line of sight absorption by clouds of hydrogen.

Work is expected to start in mid-June 2019 for a duration of 8 weeks. Working hours will be 30 hours per week.

### Person Specification

#### Essential

- To be in the course of obtaining a 4-year MSci. degree in Physics/Astrophysics
- Demonstrated skills in computing and image processing
- Effective written and verbal communication skills

#### Desirable

- Proficiency with the Python or IDL languages
- Experience with SeXtractor image processing tools
- Basic experience of the Linux environment (Bash)
- Ability to analyse and write up data and to present complex information effectively to a range of audiences
- Experience of working collaboratively in a research environment

### Payment

Payment will be made on an As and When basis for work carried out (up to 30 hours per week), at the London Living Wage of £10.20 per hour.

### Application Procedure

If you wish to apply, please send a CV and covering letter to Professor Richard Ellis ([richard.ellis@ucl.ac.uk](mailto:richard.ellis@ucl.ac.uk)). The deadline to apply is **Monday 22 April 2019**.

All applications are welcome, but you cannot be considered for paid employment within the Department until you have applied and been accepted. Students on Tier 4 visas are able to apply but need to be aware of the working rights attached to their visa. See <https://www.ucl.ac.uk/students/immigration-visas/working-uk> for further information.