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Job Title:	Postdoctoral Fellow
Department:	Super-resolution Imaging Centre (Chemistry Dept)
Reporting to:	Prof Donal O'Shea
Location:	123 St Stephen Green, Dublin
Contract/Duration	Specified Purpose for up to 12 months
Remuneration:	€42,783 (aligned with the IUA Research Salary Scale, Level 1 point 1)
Closing Date:	6 th October 2023

Summary of Post

The position is available in the research group of Prof Donal O'Shea in the Super Resolution Imaging Consortium (SRIC) and Chemistry Department in RCSI. The newly established SRIC houses a number of cutting-edge light microscopy instruments with the ability to bypass the light diffraction limit resolution. Details can be seen at <https://www.rcsi.com/dublin/research-and-innovation/research/resources-and-facilities/super-resolution-imaging-consortium>.

We are looking for a talented, highly motivated postdoctoral scientist who shares our enthusiasm for pushing the limits of light microscopy to enable biological discovery. The candidate will work as part of a multidisciplinary team applying confocal, super-resolution and lifetime imaging techniques to study the uptake, distribution and intracellular bioorthogonal transformations of near infrared fluorophores in cell cultures.

The candidate must have a PhD in a relevant science discipline and should have considerable experience in fluorescence microscopy, image data analysis and cell culture techniques. The applicant will also be responsible for supporting the imaging activity of other team members, for writing scientific reports and assisting with manuscript preparation.

Specifically, the duties of the post are:

- The use of light microscopy methods including laser-scanning confocal microscopy and fluorescence lifetime microscopy for live cell imaging experiments
- Continuous live cell fluorescence imaging of dynamic intracellular events
- Image analysis and presentation using Image J and Imaris software packages





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- Image data quantification using analysis software packages
- Knowledge of, with the ability to learn, advanced super-resolution microscopy methods
- Preparation of scientific reports and manuscripts for publication
- Presentation of results at conferences

Qualifications – (Essential):

- A PhD in a relevant science discipline

Knowledge & Experience – (Essential):

- Have considerable experience in fluorescence microscopy, image data analysis and cell culture techniques
- Responsible for supporting the imaging activity of other team members, for writing scientific reports and assisting with manuscript preparation
- Knowledge of, with the ability to learn, advanced super-resolution microscopy methods
- Experience of preparing scientific reports and manuscripts for publication
- Excellent communication skills with an ability to clear present research material to a varied audience

Application Process

Please apply online through the RCSI careers portal with your CV and cover letter at;

https://my.corehr.com/pls/rcsirecruit/erq_search_package.search_form?p_company=1000&p_internal_external=E#

Informal Enquiries can be directed to Prof Donal O'Shea at donalfoshea@rcsi.ie.
Please note we do not accept CVs directly.



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