



The
University
Of
Sheffield.

Job Title: Scientific Officer (postdoctoral)
Contract Type: **Fixed term for 36 months**
Faculty: Faculty of Science
Department: Department of Physics and Astronomy
Salary: Grade 7, £31,866 - £34,804 per annum
Job Reference Number: UOS028522, <https://jobs.shef.ac.uk/>
Closing Date: **14 June 2021**

36 month post - Scientific Officer (postdoctoral) at Near-Field Optical Spectroscopy Centre

This Scientific Officer post arises from a large capital equipment grant designed to establish and run the interdisciplinary Near-Field Optical Spectroscopy Centre (NOSC) in Sheffield (<https://gow.epsrc.ukri.org/NGBOViewGrant.aspx?GrantRef=EP/V007696/1>). This centre is to be established in 2021 with the delivery of all equipment in the autumn.

The initial funding for the Scientific Officer post is 36 months. However, the Scientific Officer position is essential for the successful operation of the Centre in the future, and funding will be sought to support this post beyond the initial 36 months.

The Scientific Officer (SO) will be central to the smooth operation of the experimental set-up, and will become a leading expert in these pioneering techniques, consolidating on the existing near-field optical spectroscopy methods as well as pushing the technological boundaries and developing new bespoke experimental and data analysis methods.

The SO will accept the delivery of the new equipment in the autumn 2021 and will be trained by the vendor. The SO will engage with the NOSC users at the stage of the user's study feasibility assessment, and will participate in all experiments at NOSC, except those conducted by frequent well-trained users (trained by the SO). The SO will ensure the efficient operation of the set-up, allowing to optimise the time of each experiment. The SO will play an essential role in allowing new users with little or no prior experience of AFM and nano-spectroscopy to carry out their studies. The SO will fully engage in broad activities of the Centre, such as user meetings, symposia and conferences.

The applicant should have a strong background in scanning probe techniques, data analysis and automation of experimental set-ups, and have completed or be in the final stages of your PhD. Expertise in optical spectroscopy and other types of material characterization is highly desirable.

Please send formal and informal inquiries to Prof Alexander Tartakovskii at a.tartakovskii@sheffield.ac.uk.