



# Oriel College

UNIVERSITY OF OXFORD

## GRADUATE TEACHING AND RESEARCH SCHOLARSHIP IN PHYSICS

Oriel College intends to appoint a Graduate Teaching and Research (GTR) Scholar in Physics, commencing in January 2025. Preference will be given to candidates who are able to teach some courses from among the Optics (A2) course in the second year, and the physics topics covered in the first year of the course (CPI and CP2).

By October 2024, applicants will have completed at least one year of postgraduate study and will have embarked on a course leading to a DPhil in Physics at the University of Oxford. Applicants will normally be expected to have passed the Transfer of Status procedures by the end of Michaelmas Term 2024. Once appointed, the successful applicant will be expected to transfer their College membership to Oriel (with the permission of their current College). The successful candidate will also be required to take a course in tutorial teaching, if they have not already done so.

### OVERVIEW OF THE COLLEGE

Oriel is a friendly and attractive College located right in the heart of Oxford. Founded in 1326 by King Edward II, it is one of the oldest Colleges in Oxford. The student body at Oriel is made up of undergraduates and postgraduates studying a wide variety of courses in a broad range of subjects. The students come from all kinds of schools, backgrounds and countries, and the College is committed to selecting the best applicants, based on academic achievement and potential, irrespective of educational background, gender or ethnicity. For further information about Oriel College see <http://www.oriel.ox.ac.uk>.

### PHYSICS AT ORIEL

The person appointed will be one of five Tutors in Physics attached to Oriel, the other three being Prof Andrew Boothroyd, Prof Julien Devriendt, Dr Andrew Wells and Mr Nicholas Choustikov.

Oriel admits seven undergraduates in Physics and Physics & Philosophy each year. Students follow either the three-year BA or the four-year MPhys course. Undergraduates studying Physics at Oxford are taught in two ways: through lectures and practicals (organized by the Department of Physics) and through college tutorials and classes (arranged by College Tutors). Our students are typically very able, committed, and well-motivated. Teaching them in very small groups (a tutorial typically involves a tutor and two or three students) allows one to respond directly to students' ideas, to tailor one's teaching to the different interests and enthusiasms of individual students, and to develop the links between the different elements of the Physics course. Tutors at Oxford give tutorials both in the areas of their own research and in other areas that they are interested in and knowledgeable about, but that are not necessarily the focus of their current research.

## DUTIES OF THE SCHOLAR

To teach for the College for 3 to 4 contact hours per week and to pursue doctoral-level study in any area of Physics:

- a. To undertake teaching for 3 to 4 contact hours per week during term time to undergraduates at Oriel College. Teaching arrangements will be coordinated by the College tutors in Physics. Students should receive appropriate guidance for completing work in advance of tutorials and appropriate written feedback on written work submitted.

The precise teaching duties are flexible and can to some extent be adapted to the successful candidate's areas of expertise and experience. Preference will be given to candidates who are able to teach some courses from among the Optics (A2) and Condensed Matter (B6) courses in the second and third year, and the physics topics covered in the first year of the course (CPI and CP2).

- b. To set and mark Collections (beginning of term internal College exams) as required, and to write end of term Tutorial Reports on the TMS system.
- c. To play a part in the organisation of the subject within the College and may be asked to take part in undergraduate admissions (normally Week 10 of Michaelmas Term). Admissions training will be provided.
- d. To liaise with other College staff about addressing any pastoral problems which may arise amongst your students.

## SELECTION CRITERIA

- Applicants will have completed at least one year of postgraduate study and will have embarked on a course leading to a DPhil in Physics at the University of Oxford.
- Applicants will be expected to have a strong ongoing research programme in Physics.
- Applicants will be expected to demonstrate interest and ability in undergraduate teaching, and in mentoring and guiding students in their studies.
- Teaching experience would be an advantage.
- Teaching interests from among the areas listed under Duties above.

## TERMS AND BENEFITS

The GTR Scholar will be paid for tutorial teaching and admissions at the hourly standard tuition rates as set by the Senior Tutors' Committee. The Scholar will receive free accommodation (or an allowance of £2,798 per annum if living outside College accommodation) and will also have access to a research allocation of £493 per annum. In addition, the postholder will be a member of both the Oriel Senior Common Room and the Middle Common Room and will be entitled to free lunches and dinners up to a maximum of 24 per term in the Senior Common Room (lunch) or at High Table in the Hall (dinner), and 3 meals per week during the vacation in the SCR or Hall.

## HOW TO APPLY

Applicants should submit their application to the Appointment Committee, **via email attachment**, to: [academic.recruitment@oriel.ox.ac.uk](mailto:academic.recruitment@oriel.ox.ac.uk), by no later than **Friday, 29<sup>th</sup> November 2024**. **The application should include:** a CV giving a brief summary of the applicant's career with details of their education and teaching experience; a covering letter outlining their reasons for applying, their teaching experience, and their research interests; and names and contact details of two referees (one on whom should be a current research supervisor). Candidates are asked to ensure that their referees are willing to provide references should the candidate be shortlisted. It is anticipated that interviews will be held in the period of 2 to 6 December, 2024.

Informal enquiries may be made to Prof Andrew Boothroyd ([andrew.boothroyd@physics.ox.ac.uk](mailto:andrew.boothroyd@physics.ox.ac.uk)), Prof Julien Devriendt ([julien.devriendt@physics.ox.ac.uk](mailto:julien.devriendt@physics.ox.ac.uk)), or Dr Andrew Wells ([andrew.wells@physics.ox.ac.uk](mailto:andrew.wells@physics.ox.ac.uk)).