



**Faculty of Technology**

**Institute of Cosmology and Gravitation**

**Professor of Cosmology**

**ZZ602851**

**THE POST**

Please see the attached job description and person specification.

**TERMS OF APPOINTMENT**

Salary is competitive and commensurate with the senior responsibilities of the role per annum. Salary is paid into a bank or building society monthly in arrears.

Annual leave entitlement is 35 working days in a full leave year. The leave year commences on 1 August and staff starting and leaving during that period accrue leave on a pro-rata basis. In addition, the University is normally closed from Christmas Eve until New Year’s Day inclusive and there are a further five bank holidays.

There is a probationary period of one year during which new staff will be expected to demonstrate their suitability for the post. Most academic staff new to Portsmouth will be expected either:

* to have already Descriptor 2 of the UK Professional Standards for Teaching and Supporting Learning in Higher Education and thus be Fellows of the HE Academy, or
* to achieve Descriptor 2 within their probationary year.

The UK Professional Standards are a set of standards for the HE sector and can be found at [www.heacademy.ac.uk/ukpsf](http://www.heacademy.ac.uk/ukpsf). The standards were updated in 2011. Successful achievement of one of the descriptors within the Standards Framework brings with it membership of the HEA at a level commensurate with the descriptor achieved (see table below).

|  |  |  |
| --- | --- | --- |
| Descriptor | HEA Fellowship Category | Target Group |
| D1 | Associate Fellow | Staff who support learningAcademic staff with limited teaching portfolios |
| D2 | Fellow | Early career teaching staffExperienced academic staff with substantive teaching and learning responsibilities |
| D3 | Senior Fellow | Experienced academic staff who can demonstrate impact & influence through academic leadership &/or mentoring |
| D4 | Principal Fellow | Senior academic staff responsible for institutional leadership |

A discussion will take place at the formal selection interview about which Descriptor an individual should achieve within their probationary year. Therefore, it is important that applicants provide full information on the application form where they are in possession of a qualification in learning and teaching in HE and/or where they are already a Fellow of the Higher Education Academy.

It is the University's policy to take up references for candidates called for interview and to ask successful candidates to submit documentary evidence of their qualifications on taking up their appointment.

It is a condition of the appointment for the proper performance of the duties of the post that the appointee will take up residence at a location such that they are able to fulfil the full range of their contractual duties. This residential requirement will be expected to be fulfilled within twelve months of taking up the appointment. The University has a scheme of financial assistance towards the cost of relocation, details of which can be found on the University website (<http://www.port.ac.uk/departments/services/humanresources/recruitmentandselection/informationforapplicants/removalandseparationguidelines>.

If the position has a requirement for Disclosure and Barring Service check (DBS), this will be stated in the advert. The DBS Application Form will be provided once the selection process has been completed.

To comply with UKVI legislation, non-EEA candidates are only eligible to apply for this post if it has been advertised for a total of 28 days.

The appointee will be eligible to join the Teachers' Pension Scheme. The scheme's provisions include a final salary based index-linked pension and a lump sum on retirement together with dependants’ benefits.

All applications must be submitted by Midnight (GMT) on the closing date published.

UNIVERSITY OF PORTSMOUTH – RECRUITMENT PAPERWORK

1. JOB DESCRIPTION

|  |  |
| --- | --- |
| Job Title: | Professor of Cosmology |
| Grade: | 10 - 11 |
| Faculty/Centre: | Technology |
| Department/Service:Location: | ICG |
| Position Reference No: | ZZ602851 |
| Cost Centre: | 41950 |
| Responsible to: | ICG directors |
| Responsible for: | n/a |
| Effective date of job description: | October 2017 |

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| Purpose of Job:  |
| To provide vision and strategic leadership in research in observational and/or survey cosmology to exploit our investments in key astronomical facilities; to strengthen the research and innovation environment within the Institute of Cosmology and Gravitation and to actively support and mentor research staff and students; to undertake internationally outstanding research, innovation and scholarly activities; to provide academic leadership in teaching and curriculum development within the university; to seek research funding to help support core ICG research portfolio. |
| Key Responsibilities: |
| Research1. To lead and maintain our internationally competitive research in observational and/or survey cosmology from key astronomical facilities (Euclid, DES, DESI, 4MOST, SDSS, LSST).
2. To play a leading role in identifying and securing external funding through research and innovation grants; and in developing collaborative research and other income generating activities;
3. To publish research outcomes in high impact international journals and to disseminate the results through conferences and workshops and to contribute to the external visibility of the department and the university.
 |
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2. To play a leading role in identifying and securing external funding through research and innovation grants; and in developing collaborative research and other income generating activities;
3. To publish research outcomes in high impact international journals and to disseminate the results through conferences and workshops and to contribute to the external visibility of the department and the university.
4. To collaborate with academic partners and user groups to deliver research impact.
5. To contribute to the strategic planning and implementation of the department and faculty.
6. To provide subject specific and research related expert advice and guidance to support and develop the research and innovation environment in the department and the faculty.
7. To mentor and support research staff and students in their research and innovation endeavours.
8. To attract and supervise research students, and post-doctoral researchers and other research support staff.

Teaching1. To deliver inspirational teaching and where appropriate research-informed teaching.
2. To design and be responsible for the content of specific areas of teaching and learning at undergraduate and postgraduate levels.
3. To undertake academic duties to deliver high quality teaching, student learning support and assessment.
4. To support and comply with the university teaching quality assurance standards and procedures.

Additional duties1. To make an important contribution to the leadership and management of the department, including supporting early career staff and developing new collaborative initiatives.
2. To undertake such specific management roles/committee work as may be reasonably required.
3. To participate in relevant professional/advisory activities.
4. To engage in continuous professional development.
5. To undertake external commitments, which enhance the reputation of the University.
6. To undertake any other duties as required by the dean of faculty and ICG directors.
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| Working Relationships:  |
| 1. Dean of Faculty
2. ICG directors
3. Associate Dean (Research)
4. Subject group leader
5. Research group and academic colleagues and support/technical staff
6. External research collaborators
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2. PERSON SPECIFICATION

|  |  |  |  |
| --- | --- | --- | --- |
| No | Attributes -  | Rating | Source |
| 1. | Specific Knowledge & Experience |  |  |
| 1.1 | Track record of high quality and high impact research publications in cosmology using large astronomical surveys. | E | AF,S |
| 1.2 | Strong record of securing external funding for internationally leading research | E | AF,S |
| 1.3 | Leading roles in collaborative research projects, involving academics and/or users | E | AF,S |
| 1.4 | Experience of social and/or economic impact (public engagement, enterprise and/or innovation) | E | AF,S |
| 1.5 | Experience of building and mentoring a successful and productive research team  | E | AF,S |
| 1.6 | Sustained record of international leadership in research field | D | AF,S |
| 2. | Skills & Abilities |  |  |
| 2.1 | Ability to provide vision, leadership and support in the development of research and/or innovation | E | AF,S |
| 2.2 | Ability to support the professional development of staff in a research field | E | AF,S |
| 2.3 | Excellent communication and interpersonal skills | E | AF,S |
| 2.4 | Ability to forge interdisciplinary and international collaborations | E | AF,S |
| 2.5 | Ability to effectively manage relations with a variety of stakeholders both internal and external to the university | E | AF,S |
| 2.6 | Project management skills | D | AF |
| 3. | Qualifications, Education & Training |  |  |
| 3.1 | PhD in Physics, Astrophysics or a related discipline | E | AF |
| 4. | Other Requirements |  |  |
| 4.1 | Ability to motivate and engage others in research | E | AF,S |
| 4.2 | Ability to work on own initiative and as part of a team | E | AF,S |
| 4.3 | Ability to work to tight deadlines | E | AF,S |

Legend

Rating of attribute: E = essential; D = desirable

Source of evidence: AF = Application Form; S = Selection Programme (including Test,

Presentation, References)

**JOB HAZARD IDENTIFICATION FORM**

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| **Please tick box(s) if any of the below are likely to be encountered in this role. This is in order to identify potential job related hazards and minimise associated health effects as far as possible. Please use the** [**Job Hazard Information**](http://www.port.ac.uk/departments/services/humanresources/occupationalhealthservice/jobhazardinformation/filetodownload%2C164407%2Cen.doc) **document in order to do this.**  |
| 1. International travel/Fieldwork  | x | 13. Substances to which COSHH regulations apply (including microorganisms, animal allergens, wood dust, chemicals, skin sensitizers and irritants)  |  |
| 2. Manual Handling (of loads/people)  |  | 14. Working at height |  |
| 3. Human tissue/body fluids (e.g. Healthcare workers, First Aiders, Nursery workers, Laboratory workers) |  | 15. Working with sewage, drains, river or canal water  |  |
| 4. Genetically modified Organisms  |  | 16. Confined spaces |  |
| 5. Noise > 80 DbA  |  | 17. Vibrating tools  |  |
| 6. Night Working(between 2200 hrs and 0600 hrs) |  | 18. Diving |  |
| 7. Display screen equipment (including lone working) | X | 19. Compressed gases |  |
| 8. Repetitive tasks (e.g. pipette use, book sensitization etc)  |  | 20. Small print/colour coding |  |
| 9. Ionising radiation/non-ionising radiation/lasers/UV radiation  | 21. Contaminated soil/bioaerosols |  |
| 10. Asbestos and lead  | 22. Nanomaterials  |
| 11. Driving on University business (mini-bus, van, bus, forklift truck etc)  | 23. Workplace stressors (e.g. workload, relationships, job role etc)  |
| 12. Food handling  | 24. Other (please specify)  |

**Completed by Line Manager/Supervisor:**

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| **Name (block capitals)** | Professor Bob Nichol |
| **Date** | October 2017 |
| **Extension number** | 3117 |

Managers should use this form and the information contained in it during induction of new staff to identify any training needs or requirement for referral to Occupational Health (OH).

Should any of this associated information be unavailable please contact OH (Tel: 023 9284 3187) so that appropriate advice can be given.