



Flinders
UNIVERSITY

POSITION DESCRIPTION

Research Associate School of Chemical and Physical Sciences

Vacancy Reference No:	11286
Major Cost Centre:	Faculty of Science and Engineering
Organisational Unit:	School of Chemical and Physical Sciences
Classification:	Research Academic Level A
Salary Range:	\$59,424 to \$72,374 pa full-time
Superannuation:	Employer contribution of 9% of salary
Total Remuneration Package:	\$64,772 to \$78,888 The total remuneration package includes salary and employer superannuation contributions.
Employment Type:	Full-time, fixed-term (available for 2 years from 9/1/12)
Probation:	6 Months
Supervisor (Title):	Professor Michael Brunger
Closing date:	11.00 am, Friday 11 November 2011

KEY PURPOSE

To undertake experiments at the Flinders University node and the Australian National University node of the ARC Centre of Excellence for Antimatter - Matter Studies under the general direction of Professor MJ Brunger and Professor SJ Buckman (ANU).

ORGANISATIONAL ENVIRONMENT

The School of Chemical and Physical Sciences is a multi-disciplinary school of sciences within the Faculty of Science and Engineering at Flinders University. The School offers degrees in the broad areas of Chemistry and Physics and niche degrees in Forensic and Analytical Chemistry, Nanotechnology and a High Achievers Program. Academic staff members have a broad range of research programs.

KEY RESPONSIBILITIES

The key responsibilities and selection criteria identified for this position should be read in conjunction with the Flinders University *Academic Profiles* for the relevant academic classification, available at url: <http://www.flinders.edu.au/ppmanual/staff/acprofiles.html>.

The position will involve:

- Some co-supervision of both higher degree and honours students.
- A willingness to give some undergraduate lectures in the physics programme.
- Experimental work using the Atomic & Molecular Physics positron spectrometer at the Australian National University and development of a linear transmission positron spectrometer at Flinders University.

The Research Associate is expected to promote and provide a safe working environment for students, staff and visitors with attention to the requirements of the Occupational Health Safety and Welfare (OHSW) Act, the Workers Rehabilitation and Compensation Act, University OHSW and Injury Management policies and Equal Opportunity Acts applicable to the State in which the position is located. Specific responsibilities are detailed at:

<http://www.flinders.edu.au/ppmanual/ohsw/OHSWPP.html#responsibilities>
http://www.flinders.edu.au/equal-opportunity/tools_resources/legislation.cfm.

SUPERVISION PROVIDED TO OTHERS

This position has no supervisory responsibilities for either general or academic staff.

WORKING RELATIONSHIPS

The Research Associate will work with other members of the Flinders University and Australian National University nodes of the ARC Centre of Excellence for Antimatter - Matter Studies (CAMS). S/he may interact with other members of the academic and general staff.

UNIVERSITY EXPECTATIONS

All staff are expected to:

- contribute to the efficient and effective functioning of the team or work unit in order to meet organisational objectives. This includes demonstrating appropriate and professional workplace behaviours, providing assistance to team members if required and undertaking other key responsibilities or activities as directed by one's supervisor;
- perform their responsibilities in a manner which reflects and responds to continuous improvement; and
- familiarise themselves and comply with the University's *Occupational Health and Safety* and *Equal Opportunity* policies.

SELECTION CRITERIA

(Note for intending applicants – applicants should address each selection criterion individually and should argue their case by citing evidence to support their claims rather than presenting a list of facts only.)

Essential criteria

- A Ph.D (or near completion of) in experimental physics or chemical physics.
- Experience working with positron and/or electron scattering spectrometers.
- Effective high level oral and written communication skills.
- A capacity for Honours and Postgraduate student supervision.
- A willingness to undertake extensive travel to Canberra to utilise the beam line based at the ANU.

Desirable Criteria

- Experience in undergraduate teaching.

SELECTION OF CANDIDATES

Candidates will be evaluated on merit against all of the various components that make up this Position Description. Assessment will take into account all information that is determined to be appropriate, e.g. written application, qualifications, interview, work samples, skills testing and referee reports.

The final decision regarding appointment to this position will be based on an assessment of the requirements of the total Position Description.

INFORMATION FOR PROSPECTIVE STAFF

All intending applicants should read the *Essential Information for Applicants*, available at url: <http://www.flinders.edu.au/employment/app.php>. If you are unable to access this information on the website, please contact the contact person nominated below.

Information about Flinders University, living and working in Adelaide, and employment at the University is available at url: http://www.flinders.edu.au/employment/why-work-flinders/why-work-flinders_home.cfm.

CONTACT DETAILS

For further information about the position please contact Professor Michael Brunger at Michael.brunger@flinders.edu.au or Professor Stephen Buckman at stephen.buckman@anu.edu.au

SUBMITTING AN APPLICATION

E-recruitment is the method by which Flinders University now manages its recruitment process. Applications should be lodged on-line at [Jobs@Flinders](http://www.flinders.edu.au/employment) at url: <http://www.flinders.edu.au/employment>. For details of the on-line application process, please refer to [Jobs@Flinders - How to Apply](http://www.flinders.edu.au/employment/apply.cfm) available at url: <http://www.flinders.edu.au/employment/apply.cfm>.

Please do **not** forward applications to the Contact Person.

Name of Authorising Officer: Professor W Lawrance

Name of Authorising Officer in Human Resources: Craig Petho

Date of last update: September 2011