Job Related Information

This document includes information about the role for which you are applying and the information you will need to provide with your application.

1. Role Details

<table>
<thead>
<tr>
<th>Vacancy reference</th>
<th>14602</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job title:</td>
<td>Post-Doctoral Research Associate</td>
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<tr>
<td>Reports to:</td>
<td>Lecturer in Health Sciences</td>
</tr>
<tr>
<td>Salary:</td>
<td>£29,799 - £38,833</td>
</tr>
<tr>
<td>Terms and conditions:</td>
<td>Research</td>
</tr>
<tr>
<td>Grade</td>
<td>AC1/AC2</td>
</tr>
<tr>
<td>Duration of post:</td>
<td>FTC until 31st May 2019</td>
</tr>
<tr>
<td>Working hours:</td>
<td>37</td>
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</table>
| Location:         | Walton Hall  
                    Milton Keynes |
| Closing date:     | Noon on 14 May 2018 |
| Type of application form accepted: | Short Application Form and CV |
| Number of referees required: | 3 |
| Unit recruitment contact: | Michelle Gallacher |
| Your application should contain: | Covering Letter  
                                      Short Application Form  
                                      CV |
2. Summary of duties

The Faculty has been awarded funding from Alzheimer’s Research UK (ARUK) for a 12 month pilot project entitled “Maternal obesity and risk of developing Alzheimer’s disease: the Framingham Heart Study”. The post holder will carry out statistical analysis of large human cohort datasets related to intergenerational effects of metabolic disease and cognitive function.

Main Duties
1. Determine and carry out appropriate statistical analysis of human cohort linked datasets obtained from the Framingham Heart Study.
2. Present information on research progress and outcomes to relevant research groups.
3. Demonstrate equipment and some work practices to other lab members, graduate students, work experience students, parties of school children and members of the public.
4. To attend and participate in Laboratory Support team meetings, relevant Research Group meetings, seminars and Open Days as appropriate to ongoing work.
5. To attend appropriate external technical and scientific meetings.
6. To ensure Good Laboratory Practice procedures are compliant with Health and Safety legislation.

All Staff are expected:
7. To undertake any other duties which may be reasonable required.
8. To take reasonable care of the Health and Safety of themselves and that of any other person who may be affected by your acts or omissions at work.
9. To demonstrate a strong commitment to the principles and practice of equality and diversity

To demonstrate a strong commitment to the principles and practice of equality and diversity.

3. Person specification

Requirements  (E = Essential/ D = Desirable)

<table>
<thead>
<tr>
<th>Education, qualifications and training</th>
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<tbody>
<tr>
<td><strong>Essential:</strong> PhD in Biostatistics and relevant experience</td>
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<tr>
<td><strong>Desirable:</strong> Background in neuroscience or metabolic disorders</td>
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</table>

<table>
<thead>
<tr>
<th>Knowledge, work and other relevant experience</th>
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</table>
| **Essential:**
  - Understanding theoretical models for statistical analysis of large biological datasets
  - Experience in carrying out statistical analysis on complex linked human datasets |
| **Desirable:**
  - Use of SAS software
  - Analysis of data obtained from parent-child cohorts |

| Personal abilities and qualities |
### Essential:
- Highly motivated
- Evidence of clearly identifying requirements and proactively managing multiple activities
- Evidence of consistently meeting objectives and always seeking to deliver the highest quality of work and continuous improvement
- Ability to take ownership of tasks to ensure they are completed to schedule and to a high standard
- Evidence of effective time management including decision making when appropriate.
- Evidence of being able to troubleshoot experiments and work unsupervised
- Evidence of ability to learn new methods and adapt existing ones
- Evidence of good communications skills, both oral and written
- An understanding of one's own personal approaches and how behaviour impacts on others.
- A willingness to reflect and consider skills, abilities and experience in the light of feedback.
- Evidence of strong team working with the ability to work co-operatively, taking a fair share of workload and contributing to the team through constructive feedback.

### Desirable:

4. **Role specific requirements e.g. Shift working**

N/A

5. **About the unit/department**

**Faculty of Science, Technology, Engineering & Mathematics**

The Faculty of Science, Technology, Engineering and Mathematics (STEM) is comprised:

- School of Computing & Communications
- School of Environment, Earth & Ecosystem Sciences
- School of Engineering & Innovation
- School of Life, Health & Chemical Sciences
- School of Mathematics & Statistics
- School of Physical Sciences
- Knowledge Media Institute
- Deanery including teams supporting Curriculum, Research and Enterprise, Laboratory Infrastructure and Faculty Administration

“We aspire to be world leaders in inclusive, innovative and high impact STEM teaching and research, equipping learners, employers and society with the capabilities to meet tomorrow’s challenges”

The Faculty of STEM consists of 700 staff and 1,800 Associate Lecturers. The Faculty delivers over 185 modules across undergraduate and postgraduate curriculum, supporting nearly 19,000 students (full time equivalents) which is 29% of the OU total.

The Faculty generates more research income (circa £17M) than any other Faculty in the University, supported by a comprehensive laboratory infrastructure.

We are proud of our distinctive values and capabilities underpinning our aspiration:

*We are inclusive:*
We transform people’s lives, ensuring STEM education is openly accessible to many thousands of students from diverse backgrounds – our students express high satisfaction with their study experience.

We engage the public in exciting citizen science and engineering, including through free open educational resources, multi-platform broadcasting, outreach to inspire the next generation and with programmes to encourage more women into STEM.

We are highly innovative:

- We are at the forefront of innovative developments in teaching practical science and engineering at a distance, through simulated and remote access laboratories and practical experimentation.
- Our high quality teaching and curriculum are informed by world-leading research, strong links with professional bodies and communities of practitioners, as well as by scholarship focused on continuously improving our STEM pedagogy.

We deliver significant social and economic impact:

- We provide STEM higher education at a scale and reach unsurpassed in the UK, with a sizeable international reach and further growth potential.
- We inject transferable STEM skills and knowledge direct into the workplace for immediate employee and employer benefit, as students combine study while working.
- The employability value of our courses is underpinned by accreditation from leading STEM Professional Bodies and Learned Societies, as well as partnerships and sponsorship with leading employers.
- Our high quality, applied and academically relevant teaching and research addresses real-world issues, delivering impact for industry and society, including addressing pressing STEM skill shortages across the UK.

Department of Life, Health & Chemical Sciences

Departmental research ranges from human biology and psychology through to the molecular basis of life. This wide range of interests offers the opportunity for interesting and vibrant collaborative research. The main research groupings are in chemical and biomedical sciences.

Current biomedical research is focused on globally important health challenges within three key areas: Cellular and Molecular Biomedicine; Medicinal Chemistry and Diagnostics; Neuroscience and Behaviour. Chemical sciences research is focused on molecular imprinted polymers, volatile organic compound analysis, biosensors, chemiluminescent sensors, and silicone chemistry.


6. How to obtain more information about the role or application process

If you would like to discuss the particulars of this role before making an application please contact Dr Cheryl Hawkes on +44 (0)1908 858770 or email Cheryl.hawkes@open.ac.uk.

If you have any questions regarding the application process please contact Michelle Gallacher on +44 (0)1908 653485 or email: STEM-Recruitment@open.ac.uk.
7. The application process and where to send completed applications

<table>
<thead>
<tr>
<th>Please ensure that your application reaches the University by:</th>
<th>Noon on 14 May 2018</th>
</tr>
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<tbody>
<tr>
<td>E-mail your application to:</td>
<td><a href="mailto:STEM-Recruitment@open.ac.uk">STEM-Recruitment@open.ac.uk</a></td>
</tr>
<tr>
<td>Or post it to Name/Job title:</td>
<td>Michelle Gallacher, Staffing Adviser</td>
</tr>
<tr>
<td>Department/Unit:</td>
<td>Deanery, Faculty of Science, Technology, Engineering &amp; Mathematics</td>
</tr>
<tr>
<td>Address:</td>
<td>The Open University, Walton Hall, Milton Keynes, MK7 6AA</td>
</tr>
</tbody>
</table>

8. Selection process and date of interview

<table>
<thead>
<tr>
<th>The interview panel will be chaired by:</th>
<th>Dr Cheryl Hawkes, Lecturer in Health Sciences</th>
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<tbody>
<tr>
<td>The other members of the interview panel will be:</td>
<td>TBC</td>
</tr>
<tr>
<td>The interviews will take place on:</td>
<td>TBC</td>
</tr>
<tr>
<td>The selection process for this post will include</td>
<td>Interview Tour (optional)</td>
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</tbody>
</table>

We will let you know as soon as possible after the closing date whether you have been shortlisted for interview. Further details on the selection process will also be sent to shortlisted candidates.

Applications received after the closing date will not be accepted.