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| Last updated: | 23/06/2019 |

**JOB DESCRIPTION**

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| Post title: | Lecturer in Systems Biomedicine (Breast Cancer) |
| Academic Unit/Service: | Biological Sciences |
| Faculty: | Natural and Environmental Sciences |
| Career Pathway: | Education, Research and Enterprise (ERE) | Level: | 5 |
| \*ERE category: | Balanced portfolio |
| Posts responsible to: | Head of School Biological Sciences |
| Posts responsible for: | Research staff and postgraduate research students within the Against Breast Cancer research programme  |
| Post base: | Non Office-based (see job hazard analysis) |

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| Job purpose |
| * To conduct a successful research programme in the field of breast cancer using Systems Medicine approaches, and supplement the Against Breast Cancer funding with further external funding for research;
* To supervise staff and postgraduate research students within that programme;
* To participate in undergraduate and postgraduate education programmes run by Biological Sciences
* To contribute as required to administration and management.
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| Key accountabilities/primary responsibilities | % Time |
| --- | --- |
|  | **Research and Enterprise*** To develop and sustain an innovative research programme with Prof Paul Skipp in Systems Biomedicine with a focus on the treatment of secondary breast cancer and breast cancer recurrence.
* To support the external long-term funding provided by Against Breast Cancer through the submission of complementary internationally- competitive research applications. To manage projects and research budgets efficiently in line with University and funding body regulations and agreed timelines. To provide accurate and timely formal reports to sponsors.
* To assist Against Breast Cancer in fund raising activities. These include but are not limited to giving talks and arranging open days.
* To publish research results in top peer-reviewed journals and to disseminate research findings through national and international learned conferences.
* To contribute to the overall activity of the research community by attendance at and presentations to internal seminar programmes and workshops and to host visiting speakers.
* To establish productive collaborations with researchers within and outside Biological Sciences and University to enhance research profile and encourage interdisciplinary projects.
* To work in collaboration with the laboratories of Prof Paul Skipp (Biological Sciences) and Prof Max Crispin.
* To develop links with industry and seek commercially-funded collaborative research; to exploit research through direct commercialisation and contract work.
* To promote individual and corporate research reputation by involvement in external bodies that determine research funding and set research agenda (membership of national science committees, conference speaker invitations, editorial boards).
* To assist Prof Paul Skipp in recruiting and supervision research staff and postgraduate students.
* As academic supervisor to be responsible for adherence of staff and students to Biological Sciences, University and statutory health and safety policies and regulations. To ensure observance of good laboratory practice, including the completion of accurate records of experimental data in accordance with the Research Conduct and Academic Integrity guidance of the University.
 | 50 % |
|  | **Education*** To provide public lectures in breast cancer research and Systems Biomedicine
* To contribute to undergraduate and postgraduate teaching programmes, and assessment and development of the undergraduate curriculum (including lectures, tutorials, practicals, supervisions and fieldwork according to the area of subject specialism).
* To undertake postgraduate supervision and training.
 | 30 % |
|  | **Service to Biological Sciences*** To participate actively in administration and management as requested by the Head of Biological Sciences. To be a member of relevant governance bodies (e.g. Exams Board).
* To promote the image and reputation of the University, Biological Sciences, and Faculty and to participate in student recruitment, outreach and enterprise activities.
* To act as a mentor to junior colleagues.
 | 15 % |
|  | * Any other duties as allocated by the line manager following consultation with the post holder.
 | 5% |

| Special Requirements |
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| * To be willing to attend national and international conferences to disseminate research results, foster collaborations and enhance the reputation of the University and Biological Sciences.
* To undertake continuing personal and career development, including completion of Postgraduate Certificate in Academic Practice, probation procedures and appraisal as appropriate.
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**PERSON SPECIFICATION**

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| Criteria | Essential | Desirable | How to be assessed |
| Qualifications, knowledge and experience | BSc in any discipline associated with biomedical sciences.PhD or equivalent professional qualifications and experience in a discipline associated with biomedical sciences. Research experience and evidence of significant achievement in any aspect of biomedical sciences, and in areas that are related to Biological Sciences’ research strategy (through published papers, positions of responsibility, invited lectures, etc.)Knowledge and skills to support research in the discipline areas as outlined in the Further Particulars for this postExperience in appropriate technologies and skills for the Against Breast Cancer research programme Ability or potential to obtain peer-reviewed funding in their research areaAble to supervise postgraduate studentsEnthusiasm for undergraduate teaching | Experience in developing and delivering teaching programmes associated with the degree programmes offered by Biological Sciences.Experience of some aspects of Higher Education institution administrationEvidence of collaborative research with related disciplines in life sciences, physical sciences and engineeringEvidence of successful achievements in research enterprise | QualificationsQuality of Application, CV, Record of outputs, Track record, Interview, References |
| Planning and organising | Ability and initiative to plan and implement research and teaching programmesTo be well-organised to oversee financial, staffing, technical and administrative aspects of research and education activities | Past evidence of achievement in planning and organising own research and teaching programme | Application, CV, Interview, References |
| Problem solving and initiative | Ability to advise staff and students to deal with analytical problemsInitiative to be at forefront of identifying and solving research problems and to make innovations in teaching |  | Application, Past evidence, Interview, References |
| Management and teamwork | Ability to provide management, leadership and mentoring to own research teamAble to work in a collegiate manner as part of multi-disciplinary teams involved in education and research activitiesWillingness and aptitude to contribute to Biological Sciences’ business activities and participate as member of task groupsBe willing to undertake activities to enhance individual, Biological Sciences, Faculty and University reputation and success |  | CV, Interview, References |
| Communicating and influencing | Able to communicate effectively research findings at conferences, seminars and other forums.Able to communicate complex ideas to all levels of audiences using innovative, up-to-date and varied aidsAbility to inspire, enthuse and support students |  | Application, CV, Track record, Interview, References |
| Other skills and behaviours | A desire to promote cross-disciplinary links with other disciplines and units in the University of Southampton.  |  | Interview |
| Special requirements | To be willing to attend national and international conferences to disseminate research results, foster collaborations and enhance the reputation of Biological Sciences and the University.To undertake continuing personal and career development, including completion of Postgraduate Certificate in Academic Practice, probation procedures and appraisal, as appropriate.To assist Against Breast Cancer in fund raising activities such as public lecturers and open days. |  | Past record, Interview |

**JOB HAZARD ANALYSIS**

**Is this an office-based post?**

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| [ ]  Yes | If this post is an office-based job with routine office hazards (eg: use of VDU), no further information needs to be supplied. Do not complete the section below. |
| [x]  No | If this post is not office-based or has some hazards other than routine office (eg: more than use of VDU) please complete the analysis below.Hiring managers are asked to complete this section as accurately as possible to ensure the safety of the post-holder. |

## - HR will send a full PEHQ to all applicants for this position. Please note, if full health clearance is required for a role, this will apply to all individuals, including existing members of staff.

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| **ENVIRONMENTAL EXPOSURES** | **Occasionally** (<30% of time) | **Frequently**(30-60% of time) | **Constantly**(> 60% of time) |
| Outside work  | N/A |  |  |
| Extremes of temperature (eg: fridge/ furnace) | N/A |  |  |
| ## Potential for exposure to body fluids | N/A |  |  |
| ## Noise (greater than 80 dba - 8 hrs twa) | N/A |  |  |
| ## Exposure to hazardous substances (eg: solvents, liquids, dust, fumes, biohazards). Specify below: | **✓** |  |  |
| Frequent hand washing | N/A |  |  |
| Ionising radiation  | **✓** |  |  |
| **EQUIPMENT/TOOLS/MACHINES USED** |
| ## Food handling  | N/A |  |  |
| ## Driving university vehicles(eg: car/van/LGV/PCV)  | N/A |  |  |
| ## Use of latex gloves (prohibited unless specific clinical necessity) | N/A |  |  |
| ## Vibrating tools (eg: strimmers, hammer drill, lawnmowers)  | N/A |  |  |
| **PHYSICAL ABILITIES** |
| Load manual handling | N/A |  |  |
| Repetitive crouching/kneeling/stooping | N/A |  |  |
| Repetitive pulling/pushing | N/A |  |  |
| Repetitive lifting | N/A |  |  |
| Standing for prolonged periods | N/A |  |  |
| Repetitive climbing (ie: steps, stools, ladders, stairs) | N/A |  |  |
| Fine motor grips (eg: pipetting) | **✓** |  |  |
| Gross motor grips | N/A |  |  |
| Repetitive reaching below shoulder height | N/A |  |  |
| Repetitive reaching at shoulder height | N/A |  |  |
| Repetitive reaching above shoulder height | N/A |  |  |
| **PSYCHOSOCIAL ISSUES** |
| Face to face contact with public | N/A |  |  |
| Lone working | **✓** |  |  |
| ## Shift work/night work/on call duties  | N/A |  |  |