Senior Research Scientist - Biostatistician

COLLEGE OF XX
SCHOOL/INSTITUTE OF XX

Grade 9

Job Purpose

A Senior Biostatistician provides leadership in statistical programming, analysis, reporting, validation, teaching [if applicable] and consultancy

Main Duties and Responsibilities

1. To take responsibility for the overall contribution towards the primary research objectives of the Centre, significantly contributing to research projects to deliver optimal outcomes.

2. To lead multiple projects, taking responsibility for the planning and delivery of statistical tasks [programming, writing analysis plans and reports, and contributing to manuscripts for publication] through management of a statistical team, and carrying out complex tasks as required.

3. To be lead statistical co-investigator on multiple grant- or commercially-funded research projects, to have a significant role in the development of major funding bids, to secure funding which makes a substantial contribution to the School/Institute/College/University.

4. To take responsibility for the definition and implementation of statistical validation processes, and carrying out validation of other biostatisticians' work, when required.

5. To supervise more junior statistical staff, and to plan and manage workloads across multiple projects within the statistical team.

6. To carry out independent research, as required, to improve knowledge of statistical methods and statistical programming.

7. To act as an independent statistical consultant.

8. To meet with and present results to external collaborators.

9. To contribute at a senior level to external project meetings, conferences, and scientific committees.

10. To contribute in a senior capacity to relevant research or Institute/College/University meetings and committees.

11. Where relevant, to deliver teaching courses and/or take a leading role in the creation of associated materials

12. Where relevant, to act as a co-supervisor for postgraduate research students.

13. To have a leadership role in the development of Statistical SOPs and ensure appropriate monitoring and compliance with all staff.

14. To participate in internal and external audits.

15. To take a leading role in collaborations with internal and external partners, with responsibility for the design and implementation of major research projects.

16. To contribute at leadership level to the administrative management and strategic development of the relevant research area.

17. Undertake any other reasonable duties as required by the Director of Institute/Head of School.

18. To contribute to the enhancement of the University's international profile in line with the University's Strategic Plan, [Inspiring People Changing The World](#).

Qualifications

Scottish Credit and Qualification Framework level 12 [PhD] in relevant discipline with an extensive and clearly established reputation in research

Extensive and expert knowledge of relevant statistics and statistical analysis methods

Extensive and expert understanding of study design, appropriate to the relevant discipline or research project

Extensive and expert knowledge of appropriate guidelines applicable to the discipline.

Skills
Essential
- Expert statistical programming skills, including extensive IT and data analysis/interpretation skills
- Excellent communication skills [oral and written], including public presentations at national and international conferences and ability to communicate complex and/or large volume data clearly and concisely to a varied audience, including non-statisticians.
- Excellent interpersonal skills including leadership, team working and a collegiate approach
- Significantly developed and evidenced workload and prioritisation skills, including the ability to balance competing demands whilst driving projects forward
- Significant experience of independence and leadership, structuring own and others' workload and delivering high quality outputs across a number of projects at one time
- Evidence of creative research methods and of encouraging others to generate ideas and approach work in a flexible and outcome focused manner

Desirable
Statistical programming skills using SAS.

Experience

Essential

- Significant expert experience in a similar senior biostatistician role, carrying out a portfolio of research to the highest level
- Management and leadership experience – evidence of developing others to optimise their contribution and research outputs.
- Significant expert experience of statistical programming, handling high volume, complex and sensitive data and publishing to the highest level
- Experience of jointly delivering research to the highest level, acting as co-investigator and holding joint grants