



Role Profile

Job Title:	Professor/Associate Professor of Field Phenotyping
School/Department:	School of Biosciences
Job Family and Level:	Research and Teaching Level 7/6
Contract Status:	Permanent
Hours of Work:	Full time – 36.25 hours per week
Location:	Sutton Bonington Campus
Reporting to:	Head of School and Beacon Director (Future Foods)

Purpose of the New Role:

As part of its ambitious Research Strategy the University is making a significant investment in its research capacity and capability through six £multi-million cross-disciplinary Beacons of Excellence (Beacons). Beacons will represent a critical mass, undertaking a coherent and integrated portfolio of research, doctoral training and knowledge exchange activities in a well-defined research area, carrying out discovery and challenge-led research and related activities, with an objective to be demonstrably amongst the best in the world. The Future Food Beacon sits alongside the Faculty of Science with a mission to deliver world class research to help address the challenge of providing sufficient quantities of nutritious and palatable food to a growing world population within a changing environment. The Beacon is to proactively engage with the research ecosystem within and across Faculties, in particular Research Centres and Institutes. The Beacon will have clearly identified objectives against which they will be required to deliver in order to release funding to enable ongoing delivery.

The role holder will advance the discipline of in-field phenotyping of crops, through research, knowledge transfer and teaching to provide academic leadership to colleagues, research staff and students. The role entails the soliciting, execution and dissemination of research, nationally and internationally; the design, delivery, supervision and assessment of undergraduate and postgraduate teaching; the provision of advice, support and encouragement to colleagues; a contribution to the strategic management of the School, and, as required, the University.

For the first 5 years of the role, the focus will be on performing high quality research within the Future Foods Beacon. To recognise this focus the main responsibilities will be 80% original research with a 20% contribution to other activities in the School of Biosciences.

	Main Responsibilities	% time per year
1.	Original research: To solicit external research funding, execute and disseminate original, substantive research that contributes to the field of crop physiology/agronomy, with a particular focus on the field-based phenotyping linked to yield and quality of food crops. The work will be world-leading and underpin impact both nationally and internationally. Activities to include winning of significant research funding, production of primary publications, scholarly syntheses, and presentations.	60%
2.	Academic leadership: To support and guide colleagues and students, including contributing to collaborative projects led by academic colleagues.	10%

3.	Undergraduate and postgraduate teaching through core and optional modules. Activities to include: designing, updating and reviewing module content and documentation; student assessment; intellectual and pastoral support to students. The outcomes will include high levels of student attainment (as assessed by validated marks) and satisfaction (as measured by student evaluation).	20%
5.	Any other duties appropriate to the grade and role.	10%

Knowledge, Skills, Qualifications & Experience

	Essential	Desirable
Qualifications/ Education	Degree, and a PhD or equivalent in crop physiology, agronomy or closely related subject.	Masters in agronomy, phenotyping or closely related field.
Skills/Training	<p>A research profile which is focused on identifying and measuring crop traits, in the field, that relate to yield and quality of crop plants.</p> <p>Excellent oral and written communication skills, including the ability to communicate with clarity on complex information and prepare and deliver effective presentations.</p> <p>High analytical ability to facilitate conceptual thinking, innovation and creativity</p>	Ability to synthesise crop phenotyping data and to link this to crop yield and quality. The ability to work within multi-disciplinary teams.
Experience	<p>International scientific reputation evidenced through a track-record of high quality publications in crop physiology, agronomy and crop phenotyping.</p> <p>Proven ability with demonstrated success in obtaining sources of funding, providing effective leadership, planning, and building, resourcing a team and delivering research results.</p> <p>Experience of research leadership and project management, particularly in multidisciplinary programmes.</p>	<p>Through original research of international excellence, continue to develop an international reputation as a research leader in a major subject area.</p> <p>Leading major funding bids that develop and sustain research support for the specialist area and advance the reputation of the academic unit and the University.</p> <p>Demonstrated participation in national and internal programme formulation, RAE panels, research strategies and reviews.</p>



The University of Nottingham strongly endorses Athena SWAN principles, with commitment from all levels of the organisation in furthering women's careers. It is our mission to ensure equal opportunity, best working practices and fair policies for all.