



<b>Job title</b>	Research Fellow (Title will be 'Research Associate' where an appointment is made before PhD is completed)	<b>Job family and level</b>	Research & Teaching Level 4 (Appointment will be Level 4 Career Training Grade where an appointment is made before PhD has been completed)
<b>School/ Department</b>	Biosciences/ Plant and Crop Science Department	<b>Location</b>	Sutton Bonington Campus

## Purpose of role

To carry out research focussed on discovering how plant roots sense and respond to compacted soil conditions.

	<b>Main responsibilities</b> (Primary accountabilities and responsibilities expected to fulfil the role)	<b>% time per year</b>
1	<b>Research</b> <ul style="list-style-type: none"> <li>To independently design, plan, execute, and analyze the experiments pertaining to protein target identification, post-translational modification, molecular biology techniques, fluorescence microscopy, and various other tasks, including administrative responsibilities as needed. Expert in single-cell transcriptomic analysis is also desired but not compulsory.</li> </ul>	75%
2	<b>Dissemination of research results</b> <ul style="list-style-type: none"> <li>To significantly contribute to the writing up of research papers, reports and presentation of research findings at high level national and international meetings to maintain Institute and University recognition.</li> </ul>	10%
3	<b>Support junior members of the group</b> <ul style="list-style-type: none"> <li>To assist in the supervision and training of undergraduate or postgraduate students, and technical staff as appropriate.</li> </ul>	5%
4	<b>Engage in Professional Development activities</b> <ul style="list-style-type: none"> <li>To continue developing professional research skills, keeping knowledge up to date through attendance at seminars and conferences, and initiate internal/external collaborations where appropriate.</li> </ul>	5%
5	<b>Adhere to H&amp;S regulations</b> <ul style="list-style-type: none"> <li>To contribute to the safe and well organized functioning of the laboratory.</li> </ul>	5%

## Person specification

	Essential	Desirable
<b>Skills</b>	<ul style="list-style-type: none"> <li>• Demonstrable laboratory skills in Protein purification, posttranslational modification and molecular biology experiments.</li> <li>• Developing research skills, with the ability to creatively apply relevant research approaches, techniques and methods.</li> <li>• Excellent oral and written communication skills.</li> <li>• Ability to build relationships and collaborate with others, internally and externally.</li> <li>• Good time management skills, ability to prioritize and meet deadlines.</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrable single cell transcriptomic data analysis.</li> </ul>
<b>Knowledge and experience</b>	<ul style="list-style-type: none"> <li>• Evidence of sufficient breadth or depth of research methodologies and techniques to work in cell biology, development and cell signaling underpinning root growth in soil systems.</li> <li>• Background in root biology, abiotic stresses and confocal imaging of plant based reporters.</li> <li>• A relevant publication record in root biology, relevant to career stage.</li> <li>• Understanding of working practices of technical support posts</li> </ul>	
<b>Qualifications, certification and training (relevant to role)</b>	<ul style="list-style-type: none"> <li>• PhD in Plant biology/plant molecular biology/plant Biotechnology or related biological science (or near completion).</li> </ul>	



The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality Act 2010.

## Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is always equitable and fair and works with integrity. Proactively looks for ways to develop the team and is comfortable providing clarity by explaining the rationale behind decisions.
- Taking ownership** Is highly self-aware, looking for ways to improve, both taking on board and offering constructive feedback. Inspires others to take accountability for their own areas.
- Forward thinking** Driven to question the status quo and explore new ideas, supporting the team to "lead the way" in terms of know-how and learning.
- Professional pride** Sets the bar high with quality systems and control measures in place. Demands high standards of others identifying and addressing any gaps to enhance the overall performance.
- Always inclusive** Ensures accessibility to the wider community, actively encouraging inclusion and seeking to involve others. Ensures others always consider the wider context when sharing information making full use of networks and connections.

## Key relationships with others

