



Job title	Research Fellow (Title will be 'Research Associate' where an appointment is made before PhD is completed)	Job family and level	Research and Teaching Level 4 (Appointment will be Level 4 Career training grade where an appointment is made before PhD has been completed)
School/ Department	Life Science / SBRC	Location	UP BDI

Purpose of role

The purpose of this role will be to have specific responsibility for research, for developing research objectives and proposals for a research project in Synthetic Biology Research Centre (SBRC), University of Nottingham. The person appointed will be expected to plan and conduct work using approaches or methodologies and techniques appropriate to the type of research, and will be responsible for writing up their work for publication.

The person appointed will have the opportunity to use their initiative and creativity to identify areas for research, develop research methods and extend their research portfolio.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	Research To independently design, plan, carry out and analyse plant physiology and molecular biology-based research, as well as undertake other duties, such as administration where appropriate	75
2	Dissemination of research results To significantly contribute to the writing up of research papers, reports and presentation of research findings in group/project meetings and at high level national and international meetings to maintain Institute and University recognition.	10
3	Support junior members of the group To assist in the supervision and training of undergraduate or postgraduate students, and technical staff as appropriate.	5
4	Engage in Professional Development activities To continue developing professional research skills, keeping knowledge up to date through attendance at seminars and conferences, and initiate internal/external collaborations where appropriate.	5
5	Adhere to H&S regulations To contribute to the safe and well organised functioning of the laboratory.	5

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> • Demonstrable laboratory skills including microbiology, molecular biology and biochemistry. • Demonstrable laboratory skills in transformation, cloning and protein purification. • Demonstrable skills in fermentation and bioreactor operation. • Developing research skills, with the ability to creatively apply relevant research approaches, models, techniques and methods. • Excellent oral and written communication skills. • Ability to build relationships and collaborate with others, internally and externally. • Good time management skills, ability to prioritize and meet deadlines 	<ul style="list-style-type: none"> • Demonstrable ability to carry out gas fermentation. • Demonstrable ability to carry out downstream processes. • Demonstrable ability to handle and genetically manipulate non-model microorganisms. • Demonstrable ability to analyse and interpret data, evaluate and criticise texts, bring new insights. • Omics data handling skills (RNA seq. and proteomics data, gene expression analysis, genomic data analysis).
Knowledge and experience	<ul style="list-style-type: none"> ▪ Some practical experience of applying the specialist skills and approaches and techniques required for the role. ▪ Experience in use of research methodologies and techniques to work within area. 	<ul style="list-style-type: none"> ▪ Previous success in gaining support for externally funded research projects. ▪ Experience of developing new approaches, models, techniques or methods in research area.
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ PhD or equivalent in relevant subject area or the equivalent in professional qualifications and experience in research area. ▪ OR near to completion of a PhD 	
Statutory, legal or special requirements		



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 friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
- Taking ownership** Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
- Forward thinking** Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
- Professional pride** Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
- Always inclusive** Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

Key relationships with others



