University of Nottingham
UK | CHINA | MALAYSIA

Role profile

Job title	Research Associate/Fellow	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 Sciences	Location	University Park

Purpose of role

The purpose of this role will be to support the principal investigator Professor Paul Dyer in developing research objectives and proposals and conducting research in the area of/or the research project in fungal biology, specifically antifungal resistance in the opportunistic pathogen Aspergillus fumigatus. The post holder will be expected to undertake independent research as well as working as part of a team this will include using approaches or methodologies and techniques appropriate to the type of research, and will be responsible for writing up their work in order to contribute to published outcomes.

The role holder 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	To plan and conduct research using recognised approaches, methodologies and techniques within the research area and support the development of research objectives and proposals for own and/or collaborative research area.	60%
2	To analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights to research area.	5%
3	To contribute to writing up research findings for publication.	10%
4	To assist with the preparations, proposals and applications to both external and/or internal bodies for funding, contractual or accreditation purposes.	2.5%
5	To build internal and/or external contacts to develop knowledge and understanding, forming relationships for future collaborations.	2.5%
6	To co-ordinate the operational aspect of research networks, for example, arranging meetings and updating websites etc and contribute to collaborative decision making with colleagues in area of research.	2.5%

7	To provide guidance as required to support staff and students, where appropriate in own area of expertise.	5%
8	To collaborate with academic colleagues on areas of shared interest for example, course development, collaborative or joint research projects. .	2.5%
9	To plan and manage own research activity and resolve problems, if required, in meeting own/team research objectives and deadlines in collaboration with others.	10%

Person specification

	Essential	Desirable
Skills	▪ Oral and written communication skills, including the ability to communicate with clarity on complex information. ▪ Developing research skills, with the ability to creatively apply relevant research approaches, models, techniques and methods ▪ Ability to contribute to method improvement. ▪ Analytical ability to facilitate conceptual thinking, innovation and creativity. ▪ Ability to build relationships and collaborate with others, internally and externally. ▪ Standard laboratory techniques and procedures; good microbiological laboratory practice; use of general lab equipment. ▪ Existing skills in microbial culture of fungi. ▪ Molecular biology techniques (e.g. DNA and RNA extraction, PCR, qRT-PCR, electrophoresis) including transformation. ▪ Bioinformatic skills.	▪ Ability to assess and organise resource requirements and deploy effectively. ▪ Ability to foster a research culture and commitment to learn in others. ▪ Ability to analyse and illuminate data, interprets reports, evaluate and criticise texts and bring new insights. ▪ Experience of fungal protoplasting and gene transformation including CRISPR. ▪ Good understanding of COSHH and risk assessment. ▪ Experience of filamentous and Ascomycota fungi, specifically *Aspergillus*. ▪ Knowledge and experience of fungal sexual reproduction.
Knowledge and experience	▪ Evidence of sufficient breadth or depth of research methodologies and techniques to work in research area. ▪ Some practical experience of applying the specialist skills approaches and techniques required for the role. ▪ Evidence of using research methodologies and techniques to work within research area ▪ Evidence of publication record or papers in preparation.	▪ Experience of developing new approaches, models, techniques or methods in research area. ▪ Application of biochemical and antifungal assays.
Qualifications, certification and training (relevant to role)	• PhD Degree in relevant subject area, or be studying towards a PhD and thesis submitted or soon to submitted in relevant subject area. • Bachelors degree in relevant subject area.	▪ Master's Degree, or equivalent in relevant subject area.


Athena Swan
Gold Award
GENDER CHARTER
Race Equality Charter
Bronze Award
RACE CHARTER
disability confident
COMMITTED
Stonewall
DIVERSITY
CHAMPION
Signatory of
DORA

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