

Lecturer in Nanotechnology

School of Pharmacy and Medical Sciences

Faculty of Life Sciences



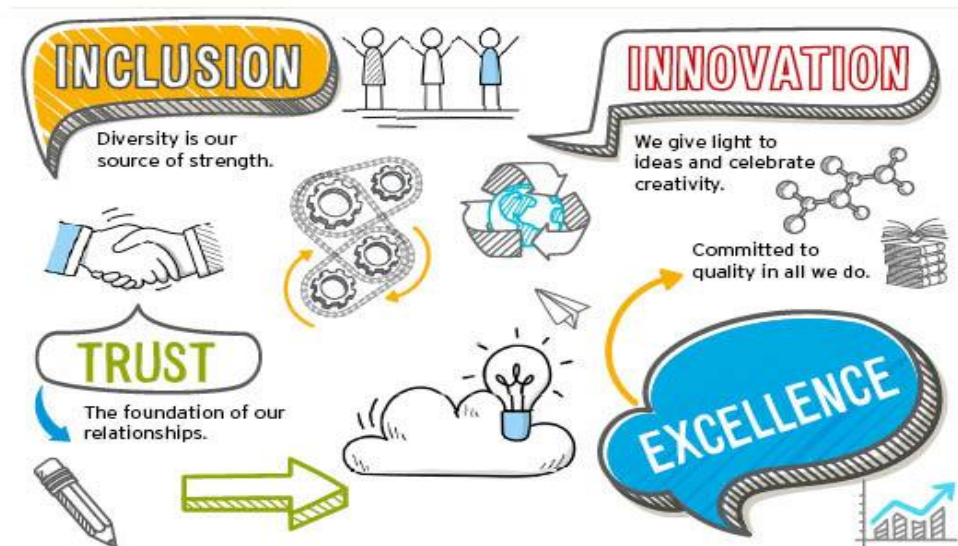
Brief summary of the role

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| Role title: | Lecturer in Nanotechnology |
| Grade: | Grade 8 |
| Faculty or Directorate: | Faculty of Life Sciences |
| Service or Department: | School of Pharmacy and Medical Sciences |
| Location: | Bradford main campus |
| Reports to: | Anant Paradkar |
| Responsible for: | Head of School of Pharmacy and Medical Science |
| Work pattern: | Full time |

About the University of Bradford

Values

At the University of Bradford, we are guided by our core values of Excellence, Trust, Innovation, and Inclusion. These values shape our approach and our commitment to making diversity, equity, and inclusion part of everything we do – from how we build our curriculum to how we build our workforce. It is the responsibility of every employee to uphold the university values.



Equality, Diversity, and Inclusion (EDI)

At the University of Bradford, we are guided by our core values of Excellence, Trust, Innovation, and Inclusion. These values shape our approach and our commitment to making diversity, equity, and inclusion at the heart of everything we do.

We foster a work environment that's inclusive as well as diverse, where staff can be themselves and have the support and adjustments to be successful within their role.

We are dedicated to promoting equality and inclusivity throughout the university and have established several networks where individuals can find support and safe places fostering a sense of belonging and acceptance. We are committed to several equality charters such as Athena Swan, Race Equality Charter, Disability Confident and Stonewall University Champions Programme..

Health, safety, and wellbeing

Health and Safety is a partnership between employee and employer each having responsibilities, as such all employees of the University have a statutory duty of care for their own personal safety and that of others who may be affected by their acts or omissions.

It is the responsibility of all employees that they fulfil a proactive role towards the management of risk in all of their actions. This entails the risk assessment of all situations, the taking of appropriate actions and reporting of all incidents, near misses and hazards.

Managers should note they have a duty of care towards any staff they manage; academic staff also have a duty of care towards students.

All colleagues will need to ensure you are familiar with any relevant Health and Safety policies and procedures, seeking advice from the Central University Health and Safety team as appropriate.

We are registered members of the University Mental Health Charter. This visibly demonstrates our commitment to achieving cultural change in student and staff mental health and wellbeing across the whole university, whilst supporting the vision of our People Strategy to create a culture and environment of transformational diversity, inclusion and social mobility, creating a place where our values come to life and are evident in our approach.

Information governance

Employees have a responsibility for the information and records (including student, health, financial and administrative records) that are gathered or used as part of their work undertaken for the University.

An employee must consult their manager if they have any doubts about the appropriate handling of the information and records with which they work.

All employees must always adhere to data protection legislation and the University's policies and procedures in relation to information governance and information security.

Employees will be required, when and where appropriate to the role, to comply with the processing of requests under the Freedom of Information Act 2000.

Criminal record disclosures and working with vulnerable groups

Depending on the defined nature of your work and specialist area of expertise, the University may obtain a standard or enhanced disclosure through the Disclosure and Barring Service (DBS) under the Rehabilitation of Offenders Act 1974.

All employees of the University who have contact with children, young people, vulnerable adults, service users and their families must familiarise themselves, be aware of their responsibilities and adhere to the University's policy and Safeguarding Vulnerable Groups Act 2006.

The University is committed to protect and safeguard children, young people and Vulnerable Adults.

Suitable applicants will not be refused positions because of criminal record information or other information declared, where it has no bearing on the role (for which you are applying) and no risks have been identified against the duties you would be expected to perform as part of that role.

Role holder: essential and desirable attributes

Qualifications

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| Essential | <ul style="list-style-type: none"> • A PhD or equivalent qualification in an appropriate subject, or demonstrable equivalent experience. |
| Desirable | <ul style="list-style-type: none"> • Teaching qualification, fellowship of Advance HE. |

Experience, skills, and knowledge

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| Essential | <ul style="list-style-type: none"> • Experience of teaching and facilitating/supporting learning in design, manufacturing, and applications of the nanotechnology in pharmaceuticals, medical devices and cosmetics in HE at undergraduate and/or postgraduate level leading to successful student outcomes • Evidence of facilitating student learning • Evidence of effective research project supervision at undergraduate and/or postgraduate level • Evidence of research expertise with a record of high-quality recent publications in nano formulations and nano-based devices including conference papers, refereed publications and or book chapters or equivalent professional measures of esteem • Able to build research activity which can demonstrate impact, significant and reach at national level including contributing to networks and partnership building. |
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| <p>Desirable</p> | <ul style="list-style-type: none"> • Demonstrable expertise in more than one of the following areas: <ol style="list-style-type: none"> a. Novel applications of nanomaterials b. Medical devices c. Nano-cosmetics d. Molecular biology • Ability to contribute to and or lead the design, development and delivery of modules • Ability to apply relevant technologies to support learning and optimise attainment for all students • Ability to engage in assessment activities that inspire and engage students, promote learning and enhance self-regulation • Ability to manage student pedagogical and welfare issues, (including personal tutoring) • Ability to participate in the application for external research funding • Ability to participate as a member of a research team • Actively represent the Faculty and University in a positive manner, and identify and exploit opportunities to enhance its reputation • Ability to play an active role in matters relating to teaching quality assurance, subject review and accreditation • Excellent written and oral communication skills with ability to communicate complex information effectively to mixed groups with diverse levels of understanding • Evidence of effective interpersonal skills • Ability to resolve education and/or research related problems, using initiative and creativity whilst ensuring compliance with appropriate regulations and policies • Ability to manage an administrative workload, managing own time to achieve strict and often conflicting |

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| | <p>deadlines</p> <ul style="list-style-type: none"> • Ability to think strategically at discipline level • Previous experience of acting as a personal academic tutor |
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Personal attributes

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| <p>Essential</p> | <ul style="list-style-type: none"> • Excellent communication skills • Evidence of good administration skills • Excellent presentation, time management and team skills and ability to work effectively as part of a team • An ability to manage and respond to conflicting deadlines. • Flexibility and willingness to learn new skills. • Demonstrable evidence of commitment to continuing personal / professional development. • Ability to role model the University's commitment to Equality and Diversity. • Encouraging participation and openness. • Encouraging creativity and innovation. • Supporting academic freedom and respecting the right to express diverse points of view. |
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| | <ul style="list-style-type: none">• Providing equal opportunities for all staff and students to achieve their full potential.• Applying the best ethical standards in everything we do. |
| Desirable | <ul style="list-style-type: none">• An understanding of the requirements of data protection |

Main purpose of the role

- To make a scholarly contribution to research, teaching and knowledge exchange in their specialist area relevant to the University strategy and the sub-strategies of Research & Innovation Strategy and Learning, Teaching & Student Experience Strategy;
- To disseminate knowledge through teaching students from diverse entry pathways and contribute to the teaching and supervision requirements of the Faculty;
- To be collegiate and support the co-creation of knowledge through fundamental and applied research with the aim of enhancing research opportunities and contributing to a positive student experience;
- To maintain a research record with publications in 3* CABS or equivalent rated journals and/or internationally impactful publications;
- To demonstrate grant activity and/or commercial income;
- To support the pursuit of distinctiveness and competitive advantage through embedding the University Strategic objectives;
- To keep up to date with developments in subject area, developing relevant skills and keep abreast of University and sector wide policies, procedures and regulations.

Main duties and responsibilities

Research

1. Develop a research profile via the Faculty's Research Centres.
2. Contribute to the Faculty's Research Centre's reputation and impact to ensure a vibrant research environment.
3. Disseminate and communicate research including conference papers and refereed publications or book chapters.
4. Provide a stimulating and inclusive research environment to support the successful graduation of doctoral students.
5. Contribute as a co-supervisor and/or supervisor for at least one PhD student.
6. Contribute to bidding for internal and/or external research funds.
7. Engage with public policy-makers, charities, commerce and industry to shape and inform the research landscape.
8. Contribute to the development of Impact Case Studies.

Teaching

9. Plan, deliver and assess innovative, engaging and challenging teaching activities which provide a distinctive and exceptional student experience in the area of drug delivery especially for protein and peptide based delivery.
10. Ensure teaching is research-led with subject content underpinned by relevant specialist research.
11. Evaluate modules, and manage projects at undergraduate and postgraduate levels.
12. Contribute to accreditation standards as required including compliance activities or membership of re-accreditation groups.
13. Contribute to the enhancement of and innovation in programmes, assessment and feedback including distance learning.
14. Ensure curriculum design and/or delivery incorporates relevant technology enhanced learning appropriate to the subject discipline.
15. Utilise appropriate assessment methods and approaches and provide quality, personalised and timely feedback.
16. Identify, promote, administer and grow placement activities.
17. Work collaboratively with colleagues to ensure high levels of student satisfaction and quality outcomes.
18. Undertake the role of Personal Academic Tutor (PAT) in accordance with the University's PAT role descriptor.

Knowledge Exchange and Business & Community Engagement

19. Lead or make a significant contribution to Widening Participation or public engagement activities within the Faculty, wider University or local community.

Generic

20. Keep up to date with developments in subject area, developing relevant skills and keep abreast of University and sector wide policies, procedures and regulations.
21. Maintain appropriate professional accreditation(s) including updating professional practice and personal development needs relevant to the Faculty and/or University.
22. Meet PDR objectives and maintain a personal development plan utilising the Performance Development Review Scheme.

23. Provide Module Leadership (ML) in accordance with the University's ML role descriptors.
 24. Contribute to the working life of the Faculty and University and wider academic community including, graduation, open days, applicant experience days, clearing and the staff recruitment and selection process.
 25. Contribute to the financial sustainability of the Faculty and wider University including identifying efficiencies, optimising resources and making savings.
 26. Contribute to student recruitment (nationally and internationally) including conversion, clearing activities and induction.
 27. Contribute to strategic and operational planning within the Faculty and wider University level and University ambitions including Athena SWAN and other external standards.
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1. Provide coaching and mentoring for colleagues including those in their probation and transitioning to new roles. **As a university citizen supporting key student events throughout the year such as Open days, clearing, enrolment, and Graduation. (Essential for all roles)**