



Job title	Assistant Professor in Bioinformatics (Teaching Focus)	Job family and level	Teaching and Learning Level 5
School/ Department	Life Sciences	Location	School of School of Life Sciences, University Park

Purpose of role

The School of Life Sciences established the MSc in Bioinformatics in 2021, and this role holder will be key to its further development and delivery. The role holder will support the design and development of an innovative curriculum for the programme in collaboration with other Bioinformatic academics.

Within the ongoing role, the post holder will be required to develop educational material, to promote new ways of teaching and assessment, and, to deliver this teaching at a postgraduate and undergraduate level.

The role holder will also take a leading role in the operational delivery of Bioinformatics support to the wider School of Life Sciences. This will include leadership of the MSc in Bioinformatics, developing strategic international partnerships, and maintaining best practice in software development and data analytics for bioinformatics throughout the school.

The role holder will also make a significant contribution to the School of Life Sciences via teaching, related administrative management, and the coordination of specific initiatives.

	Main responsibilities	% time per year
1	<p>Provide specialist Bioinformatics teaching</p> <ul style="list-style-type: none"> ▪ Deliver teaching on the Bioinformatics MSc course within the School of Life Sciences and a range of other course modules that would benefit from specialist Bioinformatics knowledge specifically the delivery of high quality training in “R”. ▪ Ensure that all teaching is delivered with up to date and concise subject matter and modern teaching methods. ▪ To support tutorial groups, develop their knowledge and their learning skills, and be responsible for the pastoral care of students within a specified area, dealing with sensitive issues. ▪ Be responsible for and supervise practical work, including projects, where it is part of the course and advise students on appropriate techniques. 	40%
2	Bioinformatics Course Leadership	20%

	<ul style="list-style-type: none"> • Responsibility for the leading the MSc Bioinformatics (from marketing and admissions to assessment), and for the strategic development of the course. • Working closely with academic, technical and IT staff supporting the MSc Bioinformatics. • Ensuring best practice for data management and integrity throughout the course. • Responsibility for expanding the MSc Bioinformatics to our international partners. 	
3	<p>Developing Cutting-Edge Bioinformatics Curriculum</p> <ul style="list-style-type: none"> ▪ Design course modules and/or programmes of study (primarily PGT but also UG) in Bioinformatics and be responsible for their quality. ▪ Where appropriate, identify the need for developing the content or structure of existing modules and make proposals on how this should be achieved. ▪ Where appropriate, support fellow academic staff in adopting changes to bring about more efficient and effective teaching. ▪ Design and undertake assessments, marking and feedback, incorporating cutting edge assessment methods. 	10%
4	<p>Teaching Quality Assurance</p> <ul style="list-style-type: none"> ▪ Be responsible for and comply with the University of Nottingham Teaching Quality assurance standards and procedures. ▪ Ensure teaching quality assessment and the assessment of progress and other information is maintained and supplied to the University as required. 	5%
5	<p>Enhance Teaching</p> <ul style="list-style-type: none"> ▪ Take an active role in influencing the practice of consistently excellent teaching across the academic unit by disseminating evidence-informed developments in curriculum delivery, early adoption and promotion of enabling technologies and pedagogies. 	5%
6	<p>Teaching Scholarship</p> <ul style="list-style-type: none"> • Engage in scholarship of teaching and learning in relation to Bioinformatics. 	15%
7	<p>Undertake Administrative Duties</p> <ul style="list-style-type: none"> • Be responsible for administrative duties in areas such as admissions, timetabling, examinations, student attendance and represent the School on various committees and working groups in the wider University and outside of the University by managing or monitoring assets and budgets allocated as part of the role. • Contribute to student recruitment, securing student placements and providing appropriate advice to others involved in this activity. 	5%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ The ability to communicate with clarity on complex and conceptual ideas to those with limited knowledge and understanding as well as to peers, using high level skills and a range of media. ▪ Demonstrable evidence of consistently excellent teaching in Bioinformatics. ▪ Ability to devise, advise on, and manage learning programmes. ▪ Skills pastoral care and motivating students. 	<ul style="list-style-type: none"> ▪ Emerging skills in managing and motivating staff. ▪ Ability to build relationships and collaborate with others, internally and externally.
Knowledge and experience	<ul style="list-style-type: none"> ▪ Sufficient breadth or depth of specialist knowledge in Bioinformatics to develop teaching programmes. ▪ Programming (specifically “R”). <ul style="list-style-type: none"> ▪ Experience with modelling and data analytics e.g. using AI. ▪ Experience of teaching Bioinformatics at Post-Graduate level. 	<ul style="list-style-type: none"> ▪ Experience of course design and curriculum development. ▪ Experience of course and module leadership. ▪ Experience of the design of teaching techniques and methods. ▪ Proven ability to plan the delivery of teaching within Bioinformatics.
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ PhD in Bioinformatics, or closely-related discipline, supported by high level research experience. 	<ul style="list-style-type: none"> ▪ HE teaching qualification in the area of Bioinformatics or equivalent.



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



