



<b>Job title</b>	Research Associate/Fellow in Drug Formulation	<b>Job family and level</b>	Research and 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>	Pharmacy	<b>Location</b>	University Park Campus

## Purpose of role

As part of an EPSCR grant, the research associate/fellow in drug formulation will develop lipid based long acting depots for fluorescently labelled anti-sense oligonucleotides that can be detected by photoacoustics. The research associate/fellow in drug formulation will work in collaboration with a research fellow based in Optics and Photonics, Faculty of Engineering.

	<b>Main responsibilities</b> (Primary accountabilities and responsibilities expected to fulfil the role)	<b>% time per year</b>
1	<b>Design, preparation and characterisation of lipid nanoparticles incorporating fluorescently labelled antisense oligonucleotides (ASO)</b> Plan and conduct supervised research to develop new optimized ASO lipid based formulations	70%
2	<b>Collaborative research and supervision</b> <ul style="list-style-type: none"><li>Work in conjunction with others in the research team to achieve objectives and make an active contribution to the success of the team. Provide support, guidance and supervision to other staff and students, where appropriate in own area of expertise</li></ul>	15%
3	<b>Safe running of laboratory infrastructure</b> <ul style="list-style-type: none"><li>Ensure the smooth and safe running of the laboratory and assist in the supervision of undergraduate and/or postgraduate student's projects</li></ul>	15%

## Person specification

	<b>Essential</b>	<b>Desirable</b>
<b>Skills</b>	<ul style="list-style-type: none"> <li>• Expertise in the design, preparation and characterisation of lipid nanoparticles</li> <li>• Use of statistical approaches to medicine development /characterisation</li> <li>• Excellent problem solving, IT and organisational skills including the effective deployment of resources</li> <li>• Excellent oral and written communication skills including the ability to communicate complex information with clarity and write to a publishable standard.</li> <li>• Strong analytical skills including the ability to analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights.</li> <li>• Ability to creatively apply relevant research approaches/models/ techniques/methods and devise and manage research programmes.</li> <li>• Ability to build effective relationships as part of a team and collaborate with others, both internally and externally.</li> <li>• Flexible, proactive and dedicated approach. Ability to work to deadlines and prioritise tasks</li> </ul>	<ul style="list-style-type: none"> <li>▪ Experience in HPLC, LC-MS/MS and other analytical techniques</li> <li>▪ Experience of supervision of undergraduate and postgraduate students.</li> </ul>
<b>Knowledge and experience</b>	<ul style="list-style-type: none"> <li>▪ Presenting work effectively to a variety of professional and academic audiences at meetings and conferences.</li> </ul>	<ul style="list-style-type: none"> <li>▪ First author publications in high impact factor journals</li> <li>▪ Training and/or supervision of students.</li> </ul>
<b>Qualifications, certification and training (relevant to role)</b>	<ul style="list-style-type: none"> <li>▪ A 1<sup>st</sup> or upper-second class honors degree in pharmacy, pharmaceutical sciences or a related discipline</li> </ul>	

	<ul style="list-style-type: none"><li>▪ A PhD close to completion or awarded in pharmaceuticals/drug formulation.</li></ul>	
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As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those whose protected characteristics under the Equality Act 2010, are not well-represented in our current staff body.



The University is a signatory of the Declaration on Research Assessment (DORA). As such we commit to focus on the scientific content of publications (where requested or provided as part of the recruitment and selection process) as a basis for review of quality, and consideration of value and impact of research conducted, rather than any proxy measures such as Journal Impact Factor.

## 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

