



Job title	Research Associate	Job family and level	Research and Teaching Level 4 (Career Training Grade)
School/ Department	School of Life Sciences	Location	Medical School, QMC

Purpose of role

The purpose of this role will be to support the principal investigator (Prof. Kostas Tsintzas) in conducting research on a BBSRC funded project characterising rhythmicity in human skeletal muscle metabolism. The post holder will be responsible for the day-to-day running of this programme of work as part of Prof Tsintzas' research team. This will include using methodologies and techniques appropriate to the type of research to be undertaken, and 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 develop research methods and extend their research portfolio.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	<ul style="list-style-type: none"> Take responsibility for the day-to-day execution of the project by initiating and undertaking the biochemical and molecular biology measurements on all human blood and muscle samples to be collected by our collaborators in Bath University using validated methodologies including liquid chromatography coupled to high resolution mass spectrometry (LC-MS), real time polymerase chain reaction (RT-PCR), western blotting, spectrophotometry, and radioimmunoassays. Take responsibility for blood and muscle sample handling, processing and storage, and maintain and ensure a safe working environment by adhering to local and HSE standards. 	80%
2	<ul style="list-style-type: none"> To assist with the data management activities in accordance with the system and procedures to be used in the study as part of the data management plan agreed with all research collaborators. 	10%
3	<ul style="list-style-type: none"> To contribute to writing up research findings for publication. 	10%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Excellent oral and written communication skills, including the ability to communicate with clarity on complex information to fellow scientists, particularly in the field of human metabolism and molecular biology. ▪ Ability to initiate and contribute to research method improvement, particularly in the areas of liquid chromatography coupled to high resolution mass spectrometry (LC-MS) and real time polymerase chain reaction (RT-PCR). ▪ Excellent IT skills and ability to use advanced statistical and analytic software. ▪ Ability to build relationships and collaborate with others, internally and externally. ▪ Time and project management skills. 	<ul style="list-style-type: none"> ▪ High ability to analyse and interpret research data, produce and interpret reports, and bring new insights.
Knowledge and experience	<ul style="list-style-type: none"> ▪ Research experience in human tissue metabolism along with specialist skills in real time polymerase chain reaction (RT-PCR), western blotting, spectrophotometry and liquid chromatography coupled to high resolution mass spectrometry (LC-MS). ▪ Knowledge of Health and Safety and relevant regulations. 	<ul style="list-style-type: none"> ▪ Experience and specialist skills in biochemical enzyme radioimmunoassays.
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ PhD (or equivalent) or be close to completion of a PhD in the field of human metabolic and molecular physiology or biochemistry. 	



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



