THE UNIVERSITY OF MANCHESTER

PARTICULARS OF APPOINTMENT

FACULTY OF BIOLOGY, MEDICINE AND HEALTH

SCHOOL OF BIOLOGICAL SCIENCES

DIVISION OF IMMUNOLOGY, IMMUNITY TO INFECTION AND RESPIRATORY MEDICINE

TECHNICAL SERVICES

SENIOR FACILITY MANAGER - NIHR CENTRE FOR PRECISION APPROACHES TO COMBATTING ANTIMICROBIAL RESISTANCE (C-PACA)

VACANCY REF: BMH-032674

Salary:	UoM Grade 7 £48,337 - £59,390per annum, depending on relevant experience
Hours:	Full time (1 FTE)
Duration:	Fixed term for 6 months
Location:	NIHR Centre for Precision Approaches to Combatting Antimicrobial Resistance (C-PACA), Wythenshawe Hospital

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Enquiries about the vacancy, shortlisting and interviews:

Professor Tim Felton
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Background

The NIHR Centre for Precision Approaches to Combatting Antimicrobial Resistance (C-PACA) is a translational research centre jointly operated by Manchester University NHS Foundation Trust and The University of Manchester. The centre plays a vital role in supporting clinical research at Wythenshawe Hospital, supporting clinical and translational research across respiratory medicine, respiratory infection, sepsis and AMR, receiving samples from patients enrolled in clinical trials directly for analysis. It specialises in developing and validating mass spectrometry assays for the analysis of volatile organic compounds, metabolites, and drug measurements. C-PACA also provides expertise in metagenomics analysis to identify antibiotic resistance genes and understand the relationship between the microbiome and antimicrobial resistance. This

allows the development of treatments that are more enhanced and effective than current infection treatments

To enable the next phase of growth, we are looking for a Senior Facility Manager to lead operational, technical, regulatory and strategic management of C-PACA and its mass-spectrometry, chromatographic and molecular platforms.

Overall purpose of the job

Working with the senior PIs, the Senior Facility Manager will:

- Provide strategic and operational leadership of C-PACA, ensuring it delivers high-quality, compliant and efficient support to clinical and translational research.
- Oversee all mass spectrometry, chromatography and molecular analysis workflows
- Lead laboratory governance, regulatory compliance (including GCP, biosafety, HTA requirements), financial planning, procurement, asset management, health and safety and quality assurance working within both The University of Manchester and Manchester University NHS Foundation Trust.
- Develop laboratory capacity, lead a small technical & research team, and drive continuous improvement and external partnerships.

This Grade 7 role reflects increased level of autonomy, responsibility, service development and strategic leadership.

Key Responsibilities, Accountabilities or Duties

C-PACA is an evolving and dynamic Laboratory and the postholder is expected to demonstrate flexibility and adaptability to meet its developing needs. The indicative range of duties is expected to include but is not limited to the following:

Facility Leadership & Strategic Management

- Lead the operational management of C-PACA, ensuring high-quality, safe and compliant operations.
- Develop medium- and long-term strategies including equipment replacement plans, workforce planning and service development.
- Establish and maintain C-PACA operating models
- Coordinate workflows between mass spectrometry, molecular microbiology and associated analytical work.

Technical Leadership

- Oversee all LC-MS/MS, GC-MS, chromatography and small-molecule/volatile biomarker workflows
- Oversee Quality Control, calibration, maintenance, and service contracts.
- Review and/or write SOPs, validation reports and analytical protocols at a senior level.
- Provide advice into grant applications, equipment bids and collaborative projects.

Procurement, Finance & Asset Management

- Lead procurement of laboratory equipment and consumables, including tendering, specification development and supplier negotiation.
- Manage C-PACA budgets, monitor expenditure, and report to senior PIs and funders.

- Maintain C-PACA asset register, oversee lifecycle planning and coordinate installation and commissioning of new equipment.

Research Support & Data Governance

- Oversee analytical service provision for biomarker discovery, clinical validation studies and translational research programmes.
- Ensure robust data integrity, storage, transfer and governance in partnership with data specialists.

Regulatory, Quality & Compliance

- Act as senior lead for compliance with:
  - Good Clinical Practice (GCP)
  - Health & Safety and Biosafety
  - Human Tissue Act (where applicable)
  - Data Protection and information governance
  - Local NHS Trust/University policies
- Lead risk assessments, audits, inspections (internal and external), incident investigations and corrective actions.

Staff Leadership & Training

- Line manage laboratory technical staff including operational planning, PDRs, development plans, health-and-safety responsibilities and supervision.
- Ensure provision of senior-level training, competency assessment and mentorship across mass spectrometry and molecular workflows.
- Support the wider research team including PhD students and visiting researchers.

Engagement, Collaboration & Impact

- Represent C-PACA at internal and external meetings, funder visits and other collaborative events.
- Maintain and expand partnerships with external academic, clinical and industry collaborators.
- Support C-PACA dissemination work including presentations, workshops and contributions to scientific papers.

Other Duties

- Undertake any duties commensurate with Grade 7 as required by senior PIs
- Participate in out-of-hours on-call arrangements for equipment emergencies

Person Specification

Essential Knowledge, Skills and Experience

Qualifications & Technical Expertise

- Degree in analytical chemistry, biochemistry, chemical/biomedical sciences or related discipline (or equivalent).
- Extensive experience operating, calibrating and maintaining LC-MS/MS and GC-MS instruments
- Demonstrated expertise in small-molecule analysis, including drugs, metabolites and / or volatile organic analysis.
- Experience developing and validating analytical methods for clinical or translational research.

- Strong understanding of regulatory frameworks (GCP, biosafety, clinical governance).
- Experience of Health and Safety policies and procedures within both The University of Manchester and Manchester University NHS Foundation Trust.
- Strong IT skills and experience managing complex datasets

Leadership & Management

- Proven experience managing a laboratory or facility of significant complexity.
- Experience line managing staff, delivering competency assessments and managing workloads with both The University of Manchester and Manchester University NHS Foundation Trust.
- Evidence of strategic planning, service development or leading multi-disciplinary technical projects.

Operational & Financial Management

- Experience with procurement, equipment specification and supplier negotiation using both systems within both The University of Manchester and Manchester University NHS Foundation Trust.
- Ability to interpret financial information, manage budgets and contribute to business planning.

Communication & Interpersonal Skills

- Excellent communication skills with ability to work with clinicians, bioinformaticians, researchers and industry partners.

Desirable

- Postgraduate qualification in analytical chemistry, biochemistry, biomedical sciences or related field.
- Experience with clinical laboratory quality systems (e.g., ISO standards, GCLP).
- Project Management qualification
- Experience in therapeutic drug monitoring, particularly of anti-infectives in relation to pharmacokinetics and pharmacodynamics.