

**Job Title:** Research Assistant in Diabetes

**Grade:** 6

**Salary:** £33,002 to £37,694 per annum, pro-rata if part-time

**Department:** Diabetes Research Centre

**Hours/Contract:** Full-time, or job share considered, fixed term contract until 31 August 2026

**Job Family:** Teaching and Research

**Reference:** 11977

### Role Purpose

We are looking for a talented and motivated individual to join our research group led by Professor Pratik Choudhary focused on type 1 diabetes and technology at the Leicester Diabetes Centre. You will contribute to the variety of projects running within the group.

One part of the group works on a large multi-national EU-funded project called REDDIE [<https://www.reddie-diabetes.eu>] that is emulating landmark clinical trials large real-world evidence datasets such as the National Diabetes Audit and CPRD. You will contribute to data cleaning, running longitudinal causal inference models, interpreting the outputs from these models, and writing reports and publications stemming from this analysis.

We also have several projects where we are combining data from continuous glucose monitors and activity monitors to evaluate relationships between these. We are part of several trials where these data are being collected and analysed, and there are number of different research questions and datasets we are working on.

If you feel that you have skills in one of these areas, there is the opportunity to focus on this and /or gain experience and skills other areas if needed.

### Main Duties and Responsibilities

#### Research:

- To carry out analyses, tests and critical evaluations using agreed techniques, novel approaches and/or models.
- To prepare and undertake high-quality data analysis and tests using appropriate techniques and novel approaches.
- To assist the research team in developing programming code to collate, analyse, and visualise longitudinal glucose monitoring and activity data, and the relationships between them
- To summarise findings, record, and disseminate where appropriate to members of the research group
- To contribute to research outputs such as co-authored journal articles/technical papers/book chapters relating to the work





- To assist in supporting research students in the use of specific methods or approaches under the direction of their line manager

## Professional Development:

- Duties and opportunities to engage in work that support your own professional development.

## Impact and Knowledge Exchange:

- Participate in workshops and conferences to support the dissemination of research findings.

## Leadership and Citizenship:

- Contribute to the overall success of the research programme

## Internal and External Relationships

- Regular meetings with members of the research team, line manager and Principal Investigators of projects
  - Communication with other members of the department for critical discussion of research and exchange new ideas
  - Liaison with external collaborators
- Supporting students and junior data analysts within the group under the guidance of line managers

## Planning and Organising

You will be required to effectively manage your time to plan your research activity and to deliver on the priorities of the project:

- Prioritise tasks within agreed work schedules
- Plan for specific aspects of research incorporating issues such as deadlines, project milestones and overall research aims
- Adapt daily and weekly plans to accommodate new developments and be flexible to the changing priorities of the research project
- We are part of numerous national and international collaborations and travel may be required for meetings between partner sites

## Qualifications, Knowledge and Experience

### Essential

- An MSc in a relevant area (e.g., medical statistics, biostatistics, data science)\*
- Knowledge and experience of working with large data sets in applied health research\*
- Knowledge and experience of working with longitudinal data\*
- Experience of research productivity (including high-quality research publications, presentations) \*





## Desirable

- Knowledge of CGM and physical activity monitor data
- Knowledge of advanced data manipulation methodologies
- Experience of working with diabetes related data such as real-world and/or time series datasets
- Experience of developing programming code and packages to process diabetes related data
- Experience of working with machine learning models
- Experience with data sharing and access processes
- Experience of multi-partner collaborations.

## Skills, Abilities and Competencies

### Essential

- Ability to analyse large real-world datasets OR CGM and physical activity monitor data\*
- Ability to undertake statistical programming and data management (e.g., Stata, R, or Python) and interpret analytical data\*
- Ability to plan, implement and deliver programmes of work\*
- Ability to work under guidance of research associates and as part of a research team\*
- Ability to frame a research question and develop an analysis plan to answer this
- High level of proficiency in English, sufficient to undertake research, teaching and administrative activities utilising English Language materials, and to communicate effectively with staff and students\*

***\*Criteria to be used in shortlisting candidates for interview***

## Reason for Fixed Term Contract

The reason for the fixed term contract is stated in section 1.9 in the summary of contractual terms in your contract of employment.

## Criminal Declaration

If you become an employee, you must inform your manager immediately, in writing, if you are the subject of any current or future police investigations/legal proceedings, which could result in a criminal offence, conviction, caution, bind-over or charges, or warnings.

## Supporting University Activities

As a University of Leicester citizen, you are expected to support key university activities such as clearing, graduation ceremonies, student registration and recruitment open days. We expect all staff as citizens to work flexibly across the University if required.

## University Values





**Inclusive** - We are diverse in our makeup and united in ambition. Our diversity is our strength and makes our community stronger.

**Inspiring** - We are passionate about inspiring individuals to succeed and realise their ambitions. We challenge our community to think differently, to get involved, and to constantly embrace new ideas.

**Impactful** - As Citizens of Change we will generate new ideas which deliver impact and empower our community

### Equity and Diversity

We believe that equity, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equity support our efforts to attract a diverse range of high quality staff and students, and identify our University as a progressive and innovative workplace that mainstreams equity, diversity and inclusion.

