



## Welcome from Professor Daniel Figeys Director and Chief Executive

Thank you for your interest in joining the Quadram Institute.

This is a unique opportunity to work at the forefront of integrated food and health research within the state-of-the-art Quadram Institute, located at the heart of the Norwich Research Park. The Institute brings together research groups from Quadram Institute Bioscience (QIB), the University of East Anglia (UEA), and the Norfolk and Norwich University Hospital (NNUH) to deliver world-leading expertise in food science, microbiology, bioinformatics, and clinical research.

**We are strengthening our ambition to deliver societal benefit through fundamental and translational microbiology, food and health research.**

Our new strategy is built around three strategic directions that will shape the next phase of our science and partnerships:

**Healthier Lives:** advancing precision nutrition and microbiome-based interventions to improve health across the life course;

**Safer Food:** tackling microbial and xenobiotic risks and ensuring the integrity and resilience of the food system; and;

**Future Food:** developing next-generation crops, ingredients, and dietary solutions that support sustainable and healthy diets.

We are now seeking an exceptional Senior Research Scientist with a proven record of high-impact research in the Laboratory of Prof Daniel Figeys in the Food, Microbiome and Health programme.

This information pack provides further details about QIB, our research, and the Norwich Research Park. You can also explore more about our work and ambitions at [www.quadram.ac.uk](http://www.quadram.ac.uk).

We look forward to your application and to the possibility of welcoming you to our community.

Professor Daniel Figeys  
Director & Chief Executive,  
Quadram Institute

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# Norwich Research Park



A unique cluster of  
world class institutions  
all located within 1 km<sup>2</sup>

## Background

The vision for the Quadram Institute was developed in partnership between Quadram Institute Bioscience (QIB), the University of East Anglia (UEA), the Norfolk and Norwich University Hospital (NNUH) and the Biotechnology and Biological Sciences Research Council (BBSRC).

**The vision combines excellent patient care and clinical research from the university hospital alongside the Quadram's scientific expertise in food, nutrition and health on the Norwich Research Park.**

The Quadram Institute is the £75 million state-of-the-art food and health research and endoscopy centre in which the QIB is now based. It is at the forefront of the new interface between food science, gut biology and health, developing solutions to worldwide challenges in food-related disease and human health.

Based on the Norwich Research Park, the Institute leverages a world-class bioscience cluster and an extensive network of national and international collaborators to translate fundamental discoveries into tangible benefits for patients, consumers and society.

Our research themes expand on the research strengths from the Institute of Food Research (IFR), and on its long history of food research. Created in November 1986 the IFR became independent in 2011, and in April 2017 IFR evolved into Quadram Institute Bioscience as a first step towards realising the wider vision of the Quadram Institute.

The mission of the Quadram Institute is to understand how food and the gut microbiota are linked to the promotion of health and the prevention of disease, with an emphasis on diet- and age- associated diseases. Scientists and clinicians use this knowledge to develop evidence-based strategies to maximise positive impacts of food on health, from early life to the extension of a healthy lifespan in old age and reduce the economic and societal costs of chronic diseases.

The future is exciting. The Quadram Institute building is home to Quadram Institute Bioscience, the Norfolk and Norwich University Hospitals gastrointestinal endoscopy centre and the Clinical Research Facility (CRF).



## About Norwich Research Park

The Norwich Research Park, located just outside the historic city of Norwich, England, is a community of independent research organisations with world-leading science credentials.

The Norwich Research Park community consists of;

- ▢ The Quadram Institute
- ▢ The John Innes Centre
- ▢ The University of East Anglia
- ▢ The Sainsbury Laboratory
- ▢ The Earlham Institute
- ▢ The Norfolk and Norwich University Hospital

From the soil to our health, researchers across the Norwich Research Park are trying to solve huge global challenges: ensuring there is food security and safety for a growing population, preventing and treating diseases, and mitigating and adapting to the impacts of climate change.

The park also supports translational spin-out and start-up companies, and attracts investment from corporate organisations involved in science and technology from across the globe.

[www.norwichresearchpark.com](http://www.norwichresearchpark.com)

Norwich is a vibrant city, often ranked as one of the very best places to live in the UK and is rich in arts, culture, music, nightlife, and tourism. It is within easy reach of the Norfolk Broads National Park, the UK's largest navigable man-made waterway.

The city boasts a Norman Cathedral, a 12th century Norman Castle and a medieval centre of cobbled streets. Norwich, the City of Stories, is the first city in England to be awarded UNESCO City of Literature status.

As a regional capital city, it is a significant cultural centre with stylish café bars, pubs, cinemas, theatres, restaurants, nightclubs, concerts, exhibitions and festivals. It is well linked to London and Cambridge by road and rail, and internationally via Norwich International Airport.



## Vision and Values

Quadram Institute Bioscience (QIB) creates new interfaces between food science, gut biology, human health and disease, capitalising on the world-class bioscience cluster based at the Norwich Research Park. QIB scientists work alongside clinicians and work closely with major national and international funding bodies and charities, collaborators and investors to ensure translation of our fundamental science to benefit patients, consumers and wider society.



The mission of Quadram Institute Bioscience is to understand how food and the gut microbiota are linked to the promotion of health and the prevention of disease, with an emphasis on diet- and age-associated diseases. We use this knowledge to develop evidence-based strategies to maximise positive impacts of food on health, from early life to the extension of a healthy lifespan in old age and reduce the economic and societal costs of chronic diseases.

We can only achieve our mission if we create an environment in which everyone is valued, supported and has the opportunity to grow and contribute. Our values are central to our success and everything we do at Quadram Institute Bioscience:

### **People-Centred Impact**

We measure success by healthier lives and empowered communities, ensuring our research delivers tangible benefits.

### **Inclusive Excellence**

Diversity fuels discovery. We cultivate an environment where every voice is heard, every talent is nurtured, and respect is non-negotiable.

### **Trusted Integrity**

Rigour, transparency, and ethics underpin our work, earning the confidence of patients, partners, and the public.

### **Collaborative Spirit**

Breakthroughs happen together. We partner openly across disciplines, sectors, and borders to turn knowledge into real-world solutions.

### **Agile Innovation**

We stay curious and responsive, adapting rapidly to emerging challenges while stewarding resources responsibly for future generations.

Our interdisciplinary research maximises the unique cluster of academic excellence and clinical expertise at the Norwich Research Park, working alongside the food and pharmaceutical industries on our core science programmes.

## About the role

### Senior Research Scientist



### Quadram Institute

#### Senior Research Scientist (*Food Microbiome and Health*)

**We are looking for an exceptional Research Scientist with a research focus on microbiome assay and metaproteomics .**

Applications are invited for a Senior Research Scientist to join the Laboratory of Prof Daniel Figeys in the Food Microbiome and Health programme at Quadram Institute Bioscience (QIB), based in Norwich, UK.

#### Background:

The Quadram Institute is a cutting-edge £75 million facility with strategic research programmes in Food, Microbiome and Health, and Microbes and Food Safety. We bring together a diverse team of researchers, academics, and NHS clinicians to tackle pressing issues in human health, food, and disease. Our innovative approach bridges food science, gut biology, and human health, leveraging the world-class bioscience cluster at Norwich Research Park.

#### The role:

We are seeking a Senior Research Scientist to join a collaborative team studying xenobiotics-gut microbiome interactions as well as developing precision microbiome intervention trials. The ideal candidates will have expertise in laboratory-based microbiome studies, metaproteomics, and bioinformatics.

You will work closely with a multidisciplinary group of researchers and have access to state-of-the-art infrastructure to design, develop, and apply innovative approaches for microbiome research.

The main foci of this position are to study the interactions of prebiotics, drugs and other xenobiotics on the gut microbiome and to advance precision prebiotic microbiome intervention trials aimed at promoting healthy aging .

The post-holder will support the Group Leader with day-to-day running of the lab, including line management of staff, overseeing budgets, and leading the scientific direction.

#### The ideal candidate:

Applicants should have a PhD in Biochemistry, Microbiology, Molecular Biology or relevant fields. They should have knowledge of experimental microbiology relevant to live microbiome studies, metaproteomics and bioinformatic analysis of data.

Significant previous experiences in microbiome laboratory experiments and metaproteomics are required as well as experience with preparing documents for ethic approval.

The post-holder will support the Group Leader with day-to-day running of the lab, including line management of staff, overseeing budgets, and leading the scientific direction.

#### Additional information:

Salary on appointment will be within the range £45,450 to £56,750 per annum depending on qualifications and experience. This is a full-time post available until 31 March 2028.

# Job and Person Profile for Senior Research Scientist – Food, Microbiome, and Health



## Main purpose of the job:

We are seeking a Senior Research Scientist to join a collaborative team studying xenobiotics-gut microbiome interactions as well as developing precision microbiome intervention trials. The ideal candidates will have expertise in laboratory-based microbiome studies, metaproteomics, and bioinformatics.

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## Key relationships:

Internal: The post holder will work closely with other group members, the line manager Daniel Figeys and key collaborators. The applicant will also work closely with the mass spectrometry facility, the genomic facility and the Human Studies Team at the Quadram Institute. The applicant will have direct access to established metagenomics, metaproteomics and metabolomics facilities and the equipment at the QIB.

External: Collaborators

## Main activities and responsibilities

- Identify, plan, carry out and modify experiments to meet the objectives of the project
- Line management of staff
- Responsibility for overseeing and managing budgets
- Responsibility for leading scientific direction
- Prepare documentation for ethic approval
- Prepare draft grant applications
- Prepare high quality results, reports and manuscripts for publication in leading scientific journals and other relevant media
- Ensure research and record keeping is carried out in accordance with good practice, Scientific Integrity and in compliance with local policies and any legal requirements
- Contribute to the smooth running of the group, including the effective use of resources, supervision of visitors to the laboratory and assisting with training others, encouraging scientific excellence
- Continually strive for excellence, seeking out and acting on feedback and relevant learning and development opportunities
- Enhance the output of a research group by executing and refining existing experimental protocols and/or administrative procedures, assisting colleagues with trouble-shooting as necessary
- Run key items of equipment providing services and/or techniques, taking responsibility for purchases, maintenance and repairs

- Undertake routine administrative tasks, such as maintenance of laboratory supplies and stocks
- Mentor/supervise less experienced researchers, encouraging scientific excellence and provide guidance and training on specialised items of equipment
- Plan, perform, trouble-shoot and analyse experiments as and when necessary, providing preliminary data
- Design and supervise small research projects for students
- Assist in the preparation of research proposals and manuscripts, collaborating internally and externally as appropriate
- Disseminate research findings and establish reputation through participation in national conferences and exhibitions. Support the profile and reputation of the Institute by participating in relevant engagement activities (eg, school visits or open days)
- Lead and manage high profile and innovative projects such as the advancement of precision prebiotic microbiome intervention trial aimed at promoting health ageing.
- As agreed with the line manager, any other duties commensurate with the nature of the post, for example, contributing to the work on institute committees.

# Job and Person Profile for Senior Research Scientist - Food, Microbiome, and Health



## Education & Qualifications

### Essential

PhD in Biochemistry, Microbiology, Molecular Biology or relevant fields

## Specialist Knowledge & Skills

### Essential

Experimental microbiology relevant to live microbiome studies

Experimental metaproteomics

Bioinformatic analysis of data

### Desirable

Metagenomics, and/or metabolomics

## Relevant Experience

### Essential

Experience of oral research presentations

Experience in microbiome laboratory experiments

Experience with preparing documents for ethic approval

Preparing data / information and draft of grant proposals

Supervision of students, postdocs and visiting workers

Proven record in scientific writing

Demonstrated ability to perform research

### Desirable

Provided technical training

# Job and Person Profile for Senior Research Scientist - Food, Microbiome, and Health



## Interpersonal and communication skills

### **Essential**

Good interpersonal skills, with the ability to work as part of a team

Demonstrated ability to work independently, using initiative and applying problem solving skills

Excellent time management and organisational skills

Ability to prioritise to meet the demands of the group

Excellent communication skills, both written and oral, including the ability to present complex information with clarity

Ability to collaborate with internal and external stakeholders

Ability to follow and develop instructions/Standard Operating Procedures

Promotes and strives for continuous improvement

## Additional requirements

### **Essential**

Promotes equality and values diversity

Willingness to embrace the expected values and behaviours of all staff at the Institute, ensuring it is a great place to work

Ability to work independently

Attention to detail

Able to present a positive image of self and the Institute, promoting both the international reputation and public engagement aims of the Institute

Ability to maintain confidentiality and security of information where appropriate

Willingness to work outside standard working hours when required

Ability to undertake occasional travel (national and international) related to collaborations and/or seminars

## Our forward-looking Strategy

### Advancing Healthy Living by Design

Quadram Institute Bioscience (QIB) was established with a clear vision — to understand how food and microbes interact to promote health and prevent disease. Today, QIB is entering a new and exciting phase of growth. Our focus is now defined through our impact-driven framework, *Healthy Living by Design*, which aims to promote lifelong health by decoding the complex relationships between food, nutrition, microbes, microbiomes, and human biology — and translating this into practical, innovative solutions in partnership with clinicians, industry, and policy leaders.

QIB's research responds directly to the UK's most pressing challenges:

- 👉 Rising rates of obesity and diet-related disease
- 👉 Increasing pressures on food systems from climate change, antimicrobial resistance, and global supply-chain fragility

As a BBSRC-funded National Capability, QIB provides a unique, integrated environment where multidisciplinary teams can collaborate across scales of bioscience and health research. We combine exceptional facilities within a single institute, including:

- 👉 Clinical research facilities and biorepositories
- 👉 Microbiome and organoid model systems
- 👉 Sequencing, bioinformatics, and advanced imaging platforms
- 👉 Food and metabolite analysis capabilities
- 👉 A GMP-level faecal microbiota transplant facility
- 👉 High-containment and translational laboratories

This infrastructure enables QIB to move seamlessly from fundamental discovery to application, impact, and policy influence.

### Healthy Living by Design and the NI<sup>2</sup>SPs

QIB's next phase of scientific development will be delivered through new National and International Institute Strategic Programmes (NI<sup>2</sup>SPs). These interdisciplinary initiatives focus on three areas:

- 👉 Healthier Lives: Precision nutrition and microbiome interventions to prevent metabolic and age-related disease and support healthy growth and ageing.
- 👉 Safer Food: Predictive microbiology and interventions that protect food systems from pathogens, xenobiotics, spoilage, and antimicrobial resistance.
- 👉 Future Food: Predictive models and preclinical pipelines that ensure climate-resilient crops are safe, nutritious, and health-promoting.

Four organisational pillars — Frontier & Translational Science, Promotion of Health, Health Innovation, and People & Talent — underpin these programmes and connect discovery research with innovation, training, and impact.

### Building Capability and Leadership

QIB is investing strategically in its scientific capability and leadership. Current priorities include:

- 👉 Expanding national and international partnerships
- 👉 Developing platforms in AI, bioinformatics, and data-driven science
- 👉 Establishing advanced clinical capabilities such as cryopreserved microbiome and tissue biobanking
- 👉 Growing training and development programmes for future bioscience leaders

### A Distinctive Model for Impact

QIB's mission-driven structure brings together people, platforms, and partnerships in a dynamic environment designed to deliver translation and impact. In doing so QIB plays a central role in strengthening the UK's research infrastructure — improving health, ensuring food safety, and building a sustainable bioeconomy.

## Why Join us?

### We offer:

	<b>Competitive salaries:</b> We aim to attract, recruit, retain, engage and motivate a diverse, high calibre workforce that will support the Institutes in achieving their goals. We will value and reward all staff for what they contribute and achieve.
	<b>Pensions:</b> Employees can join our Aviva Group Personal Pension Plan from day one and benefit from a 10% employer contribution. We also operate a NEST pension scheme for auto-enrolment purposes and casual appointments.
	<b>Life Assurance:</b> As an active member of the Aviva Pension Scheme you would also benefit from life assurance. This provides a benefit of 3 times your basic salary in the event of death prior to retirement. This benefit is provided for you and the employer pays for it. In certain circumstances benefits are restricted and this would be advised accordingly in such circumstances.
	<b>Annual Leave:</b> 25 days on appointment, rising to 28 days, plus 10.5 Public and Privilege Days. Employees can also purchase up to 5 additional days' leave using our Annual Leave Purchase Scheme.
	<b>A Voluntary Employee Benefits Scheme:</b> My NBI Lifestyle offers discounts and cash back on travel bookings, high street vouchers, gift cards, cinema tickets, days out, leisure activities and other day to day spending. There are also discounts and special offers from local suppliers from time to time.
	<b>Cycle to Work scheme:</b> This enables employees to save on tax and national insurance contributions via a salary sacrifice scheme. You can also upgrade your existing bike.
	<b>An Employee Assistance Programme:</b> 24/7 access to a telephone counselling and information line, as well as online counselling, webinars and articles.
	<b>Benenden Healthcare:</b> voluntary healthcare and wellbeing benefits.
	<b>Learning and Development:</b> A wide range of courses and learning resources are available for staff.
	<b>Chestnut Nursery School:</b> The Chestnut Nursery School is facility for on-site childcare for babies, toddlers and young children (0-5 years old).
	<b>Catering:</b> We have a number of on-site catering facilities, offering hot and cold food and drinks.
	<b>Car Park:</b> There is car parking available for staff and visitors on site.

	<p><b>Recreation:</b> As well as providing access to an outdoor swimming pool and sports hall/squash courts, regular events to entertain people working at the Norwich Research Park and their families are held throughout the year.</p>
	<p><b>Family/Dependent Support Fund:</b> The Family/Dependent Support Fund provides some financial support for staff who wish to attend conferences, networking events, workshops and professional development opportunities but who have child care or dependent responsibilities which may make this difficult.</p>
	<p>A commitment to wellbeing.</p>

## How to apply:

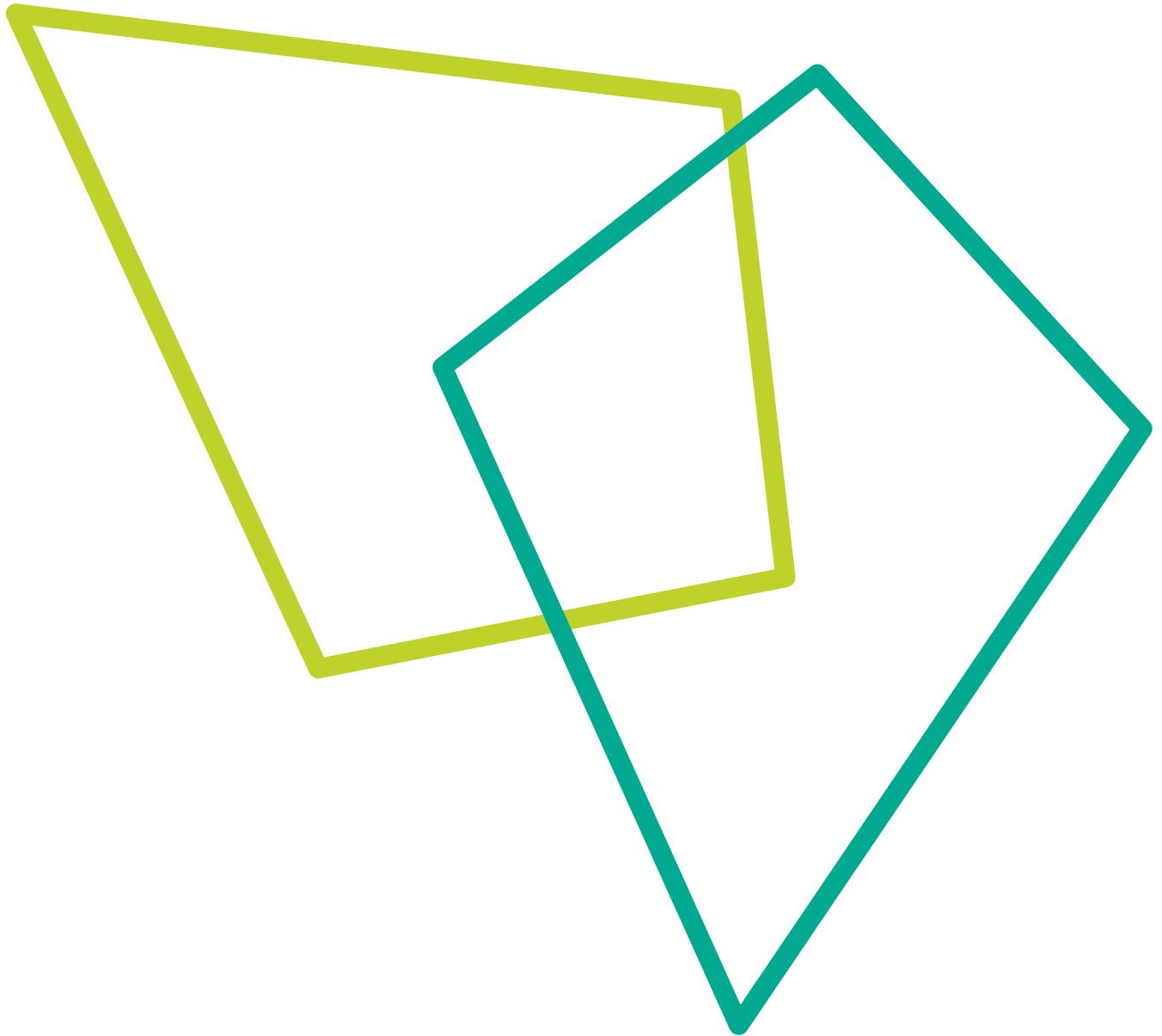
For further information and details of how to apply, please visit our website <https://jobs.quadram.ac.uk> or contact the Human Resources team on 01603 450814 or [nbi.recruitment@nbi.ac.uk](mailto:nbi.recruitment@nbi.ac.uk) quoting reference 1004957. This role meets the criteria for a visa application, and we encourage all qualified candidates to apply. Please contact the Human Resources Team if you have any questions regarding your application or visa options.

The closing date for applications will be Feb 15 2026.

We reserve the right to close the advert prior to the closing date stated should we receive a high volume of applications. It is therefore advisable that you submit your application as early as possible to avoid disappointment.

At QIB we are committed to equality, diversity and inclusion. We value the diversity of our staff and are committed to creating a positive environment, one that is fair, welcoming and inclusive, and where everyone is treated with dignity and respect. Please let us know if you need any adjustments made to the application or selection process so you can do your best.

For more details of our commitment to Equality, Diversity and Inclusion, see our website [Equality, Diversity and Inclusion - Quadram Institute](#)



If you are interested in working at the  
Quadram Institute please register your interest  
by emailing [nbi.recruitment@nbi.ac.uk](mailto:nbi.recruitment@nbi.ac.uk)

All commercial enquiries should be sent to  
[business.development@quadram.ac.uk](mailto:business.development@quadram.ac.uk)

For all other information or queries please email  
[info@quadram.ac.uk](mailto:info@quadram.ac.uk)

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