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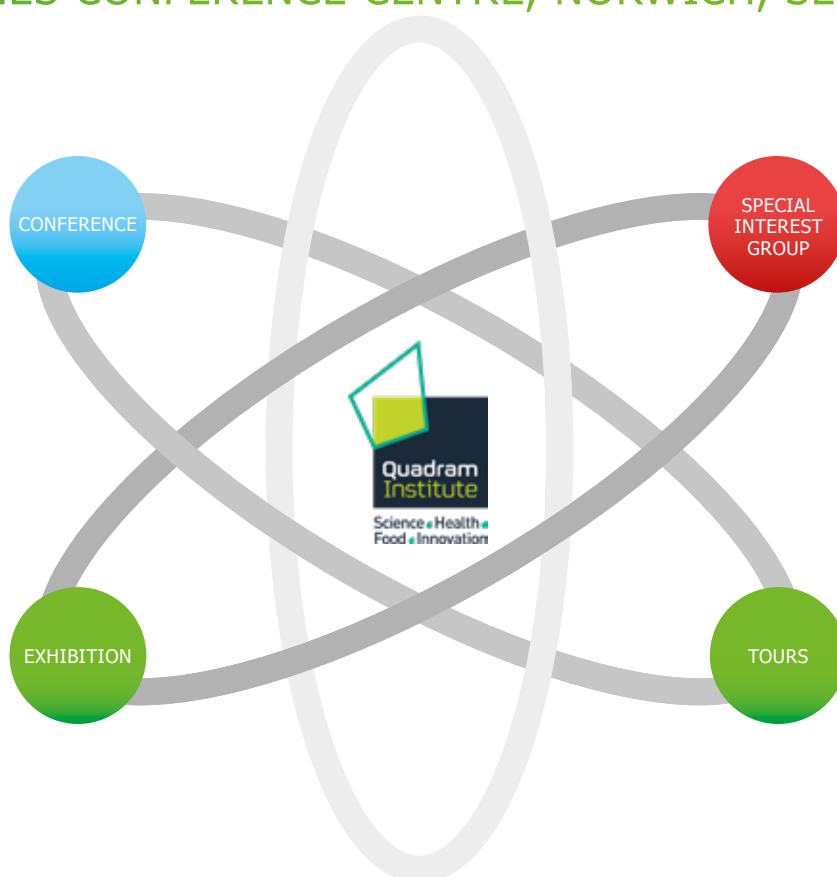
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RESEARCH, TRANSLATION INNOVATION AND LEARNING

NORWICH RESEARCH PARK, QUADRAM INSTITUTE AND THE UNIVERSITY OF EAST ANGLIA

JOHN INNES CONFERENCE CENTRE, NORWICH, SEPT 9 2019



- Co-organised by S-Lab and the UK Science Park Association with free tickets for HE and research institute staff, and UKSPA members.
- Many sessions on, and tours of, Norwich Research Park and the new Quadram Institute (opened a few months ago), plus the University of East Anglia's Bob Champion and New Science Buildings.
- Designing and operating facilities for successful translational research, with Glasgow and Norwich cases, discussion sessions and launch of an UKSPA special interest group on the topic.
- Also effective design and use of space for collaborative and flexible working; technical careers in research settings; containment and ventilation; and sustainable labs.

EVENT GOLD SPONSORS



Booking and more details via www.ukspa.org.uk

CONFERENCE KEYNOTES, PARALLEL SESSIONS AND TOURS WILL:

- Provide the normal S-Lab/UKSPA 'buzz' of bringing people from different backgrounds together around best practice in designing and operating science-focused facilities.
- Provide in-depth accounts of the operation and future plans of Norwich Research Park, and the design, delivery and functioning of the new Quadram Institute.
- Use multiple sessions on Quadram, a case study of the University of Glasgow's Clinical Innovation Zone (winner of the UKSPA 'Location Setting the Pace Award'), and other sessions to discuss key issues in designing and operating translational research facilities and launch an UKSPA special interest group.
- Explore operational topics such as optimal use of office and write-up space; containment and ventilation; sustainable labs and more.
- Highlight the innovative work of the John Innes Centre in implementing the Technician Commitment, and explore technical career issues in research settings.

NORWICH RESEARCH PARK

The Park hosts over 3,000 researchers and clinicians and fosters translational research, innovation, entrepreneurship and accelerated commercialisation in biotech (agricultural, industrial and medical); food, health and microbiome; and genomics and bioinformatics. It is led by the Anglia Innovation Partnership LLP, whose partners are Earlham Institute (genomics and bioinformatics), John Innes Centre (plant science and microbiology), Quadram Institute (food science, gut biology and health), Norwich and Norfolk University Hospitals NHS Trust, The Sainsbury Laboratory (plant disease) and The University of East Anglia. The hub Centrum Building provides laboratory, office and meeting space for growing companies.



*David Parfrey, Executive Chairman,
Anglia Innovation Partnership LLP*

ATTENDANCE WILL BE ESPECIALLY VALUABLE FOR:

- Managers, developers and investors, and other professionals providing locations and assistance for science-based innovation and translation by providing examples of good practice, networking opportunities with a variety of stakeholders and insight into the latest research and trends.
- Owners, designers, users of, and collaborators with, translational research facilities by highlighting and discussing key issues, e.g. design and operation to encourage continuous cross-disciplinary and cross-organisational collaboration, creativity and partnership; embedding business within translational settings; and achieving effective governance of multi-stakeholder arrangements.
- Clients for science-based buildings by providing detailed presentations on, tours of, and opportunities to meet peers and all the main consultants and suppliers involved in the Quadram Institute development, as well as opportunities to view two University of East Anglia science buildings.
- Operations directors, technical support staff, estates and facilities staff, equipment and service suppliers, and others concerned with the design, management and operation of research, innovation and learning spaces.
- Those implementing or considering the Science Council's Technician Commitment.

S-LAB AND UKSPA SUPPORTERS



THE UNIVERSITY OF EAST ANGLIA

Whilst the main focus of the Conference is the research, innovation and incubation that is undertaken on Norwich Research Park (which UEA is a partner of) we will also take advantage of being in Norwich to showcase and provide tours of two UEA buildings:

- The £19m Bob Chapman Building hosts medical research and teaching (including a simulated hospital environment) opened in 2015. It is managed by UEA in partnership with the adjacent Norfolk and Norwich University Hospital and features generous floor to ceiling heights, natural lighting and exciting use of colour, and natural ventilation in the teaching wing. Research laboratories study prostate cancer, antibiotic resistance, musculo-skeletal disease and gastrointestinal diseases and hospital clinicians work within the building to foster collaboration with research teams.
- The £30m New Science Building opens on the main UEA campus in September 2019. It includes three floors of flexible laboratories for Biology, Chemistry, Computing, Engineering, Environmental Sciences, Pharmacy and Physics teaching. The space is designed to promote interactive learning and multi-disciplinary collaboration to inspire tomorrow's scientists and engineers.



Bob Champion Building



STEM Teaching Building

QUADRAM INSTITUTE

This opened in early 2019 and houses over 300 researchers plus clinicians and support staff and conducts translational research and care around four themes - Food Innovation and Health; Gut Microbes and Health; Microbes in the Food Chain; and Population Health. Quadram Bioscience uses the top two floors, an NHS Clinical Research Facility is on the upper ground floor, and the lower ground floor welcomes 40,000 NHS outpatients annually to one of Europe's largest endoscopy units. Features include:

- A linear shape and striking terracotta, louvred, façade and a naturally-lit and -ventilated, multi-use, atrium space.
- Open, flexible research laboratories with extensive glazing to showcase the science within and provide excellent visual connectivity between laboratories, offices and floor levels.
- A unique, high resolution, AVoIP connection allowing two-way audio and video interactions between the endoscopy unit and doctors, medical students and researchers elsewhere.
- Optimised performance, safety and sustainability through integrated design of ventilation systems; fixed and mobile benching layouts; positioning of services and equipment; fume cupboards and responsive manifolded air handling controls; and gas cylinder and chemical storage.



Nick Goodwin (see page 4)

DESIGN AND DELIVERY IN MULTI-STAKEHOLDER REQUIREMENTS

The Quadram Institute design had to create spaces and configurations both to meet functional needs, and stimulate extraordinary levels of interaction between people with different disciplinary, functional and organisational backgrounds (including researchers, clinicians and business). This was mirrored by the strategic need to manage and fulfill the requirements of the founding partners, the NHS and other clients. The event provides a unique opportunity to hear about and see the measures taken to achieve this, and to discuss them with the client, architect (NBBJ), key consultants (Aecom, BuroHappold and Ramboll) and suppliers.

ABOUT THE PROGRAMME

The main morning activities, exhibition and lunch will take place in the John Innes Conference Centre. However, the specialised tour of the New Science Building is on the main UEA campus, which is a mile away. Afternoon sessions are divided between the Conference Centre, and nearby Quadram Institute.

MORNING ACTIVITIES: MAIN AND SPECIALISED SESSIONS

The morning has a mix of keynote sessions on Norwich Research Park and Quadram Institute (which most delegates are likely to attend) in the auditorium of the John Innes Conference Centre, and some specialised sessions and tours on Norwich activities of relevance to those with specific interests:

- The first keynote presentation (A1, in the auditorium) by David Parfrey, with colleagues, will describe the strategy, partnerships and activities of Norwich Research Park; its vision of a world-class centre for translational research on soil, food, and health; and its business collaborations and support activities.
- The second keynote presentation (B1) will be led by Nick Goodwin, with colleagues from the design team, and will describe the features and delivery of the new Quadram Institute building.
- A specialised parallel session (B4) will describe implementation of the Technician Commitment at John Innes Centre, and learning of relevance to other research institutes.
- A tour of the New Science Building - which provides inter-disciplinary teaching space for a range of disciplines - on the main University of East Anglia campus for those interested in educational topics.

AFTERNOON BREAKOUT SESSIONS

Some sessions are stand-alone but others work together to address topics such as:

- The space, infrastructure and cultural requirements for successful translational research - illustrated by case studies from Quadram Institute (C2, D2) and Glasgow University (C1); two discussion sessions, one with additional inputs on US and other international experience (A4, A5); a session on the 'research into the researchers' which underpinned the Quadram design (D3); and achieving collaborative, flexible and productive working in Quadram and other science spaces (E2).
- Technical careers and skills, with sessions providing updates on research technical careers and supporting tools from the Institute of Science and Technology (IST) and the National Technician Centre (C4) and an afternoon follow-on to the morning session considering the factors which make technical careers and skills in research institutes distinct from those in universities (D4).
- Containment and ventilation, with sessions on laboratory good practice (C3); integrated design of ventilation systems and equipment, e.g. fume cupboards, safety cabinets (D2); energy-efficient ventilation and user involvement (E4), and relevant tours of Quadram and UEA's New Science Building.
- Sustainable laboratories - addressed in a tour of UEA's New Science Building which will highlight its ventilation features (A4), and sessions on safe and sustainable containment (C3), energy-efficient engineering and ventilation (D2), green lab operations (E5), plus relevant tours of UEA's Bob Champion Building, and Quadram Institute.

TOURS AND NETWORKING EVENINGS

All tours must be booked separately and in some cases require minimum numbers to run. **General tours of Quadram Institute** at 09.30, 13.15 and 16.50, and opportunities to view more briefly en route to afternoon sessions C1 and C2. A specialised **Quadram Institute building services tour** at 14.00. For capacity reasons, both are limited to those attending from outside Norwich. (A separate date will be arranged for local attendees). **General tours of the Bob Champion Research and Education Building** at 09.30 and 16.45 (following session E3). We also hope to arrange a very specialised after hours **tour of the NHS Clinical Endoscopy Unit with Quadram Institute** around 18.00.

If demand warrants, informal evening drinks and dinner activities will be arranged in central Norwich to provide networking opportunities for delegates, and especially those who are interested in an UKSPA translational research special interest group.

PROGRAMME

Please note that there are separate morning activities - 1. two Keynotes (A1, B2) and a specialised Technician Commitment Session (B4) within the John Innes Conference Centre, and 2. a New Science Building Tour on the UEA campus (A4).

09.15 onwards	John Innes Conference Centre: Registration for all sessions except A4 (tea/coffee available), exhibition and 09.30 Bob Champion and Quadram Tours	
10.45 – 11.45	Keynote Session A1: The Translational Journey at Norwich Research Park - Partners, Vision and Case Studies David Parfrey, Executive Chairman, Anglia Innovation Partnership LLP, and colleagues	
11.00 – 12.00	Session A4 and Tour of New Science Building on UEA Campus (This is a mile from the Conference Centre so please go directly to the Building and register there, walking afterwards to the Conference Centre for lunch)	
11.50 – 12.50	Keynote Session B1: Quadram Institute - Purpose, Design and Delivery Nick Goodwin, Chief Operating Officer, Anglia Innovation Partnership LLP, and colleagues	
11.50 – 12.40	Specialised session B4 on The Technician Commitment in Research Settings	
12.40 – 14.00	Lunch and 13.15 Qadram Institute Tour	<i>Exhibition Hall</i>
14.00 – 14.40	Breakout Sessions	C1-C4
14.50 – 15.30	Breakout Sessions and Tours	D1-D5
15.30 – 16.00	Refreshments	<i>Exhibition Hall</i>
16.00 – 16.40	Breakout Sessions and Tours	E1-E5
16.50 – 17.30	Tours	
Evening	Informal drinks/dinner in central Norwich and/or Tour of Endoscopy Unit (tbc)	

ABOUT THE CONFERENCE PARTNERS:

S-LAB is a not-for-profit initiative that works with university, research institute and other laboratory sectors and stakeholders to support good practice in laboratory design, operation and management. It particularly focuses on improvement in operational efficiency and effectiveness, and good laboratory design guidelines. It does so through experience sharing events, the S-Lab Awards scheme and projects and publications. See www.effectivelab.org.uk.



THE UNITED KINGDOM SCIENCE PARK ASSOCIATION supports the work of its Members to plan, develop and sustain vital environments for around 4,000 innovative businesses. This event is the first of a series of specialised events to allow in-depth discussions on a specific topic. It is free for UKSPA members and complements UKSPA's triannual two-day meetings, the next of which will take place in November 2019 See www.ukspa.org.uk.

SESSION SUMMARY (SEE SEPARATE DOC FOR DETAILS)

	1. Translation (in JICC Auditorium)	2. Quadram (in JICC Auditorium)	3. General (in JICC Wilkes Room)	4. General (in JICC Franklin Room)	5. Tours (pre-bookable)
9.30 - 10.15 Tours					Bob Champion Tour Quadram Institute General Tour
10.45 - 11.45 (A1) or 11.00 - 12.00 (A4)	A1 The Translational Journey at Norwich Research Park: Partners, Vision and Case Studies <i>David Parfrey, Anglia Innovation Partnership, and colleagues</i>	A2 No Session	A3 No Session	A4 Multi-Disciplinary Science Teaching and Sustainable Services at The University of East Anglia's New Science Building <i>Judith Mayne and Matthew Bennett, University of East Anglia</i>	A5 No Norwich Research Park Tours at this time but note: New Science Building on main University of East Anglia campus - not the Main Conference Venue - at 11.00 (see A4)
11.50 - 12.50 (B2) or 11.50 - 12.40 (B4)	B1 No Session	B2 Quadram Institute - Effective and Elegant Solutions in a Complex and Multi-User Building <i>Nick Goodwin, Anglia Innovation Partnership, Nora Claudio Familiar, NBBJ, and Richard Walder, BuroHappold</i>	B3 No Session	B4 The Technician Commitment in Research Settings - Experience at the John Innes Centre and Relevance to Other Research Institutes <i>Dr. Clare Stevenson, John Innes Centre</i>	B5 Note: Quadram Institute General Tour at 13.15
	1. Translation (in Quadram Room X)	2. Quadram (in Quadram Room Y)	3. General (in JICC Wilkes Room)	4. General (in JICC Franklin Room)	5. Tours (pre-bookable)
14.00 - 14.40	C1 Translation in The University of Glasgow's Clinical Innovation Zone: An Open, 'Triple Helix', Approach <i>Ruth McLaughlin, University of Glasgow</i>	C2 Quadram Institute - Design and Delivery of the Building <i>Nick Goodwin, Anglia Innovation Partnership, Nora Claudio Familiar, NBBJ, Nick Flanagan, Aecom, and Lynden Spencer-Allen, Ramboll</i>	C3 Design, and Operation and Safe Work Practices in Containment Facilities <i>Dr. Liz McMinn, Wellcome Genome Campus</i>	C4 Technical Career Development <i>Jared Carnie, National Technician Development Centre, University of Sheffield, Jean-Paul Ashton and Joan Ward, Institute of Science and Technology</i>	C5 Quadram Institute Estates/Plant-focused Tour
14.50 - 15.30	D1 The Translational Journey - Q&A on A1, B2 and C1 and International Experience of Designing for Translation <i>Panel with Speakers from A1, B2 and C1 and Jane McElroy, NBBJ</i>	D2 Quadram Institute - An Integrated Approach to Ventilation Enhances Performance, Safety and Sustainability <i>Nick Goodwin, Anglia Innovation Partnership LLP, and Richard Walder, BuroHappold</i>	D3 Researching the Research Process - Understanding What Drives Effective Collaboration, Creativity and Collaboration <i>Dr. Becky Hayward, Buro Happold</i>	D4 Technical Roles in Research Settings <i>Burcu Bronner-Anar, Wellcome Sanger Institute, and Dr. Clare Stevenson, John Innes Centre</i>	D5 No Tour
16.00 - 16.40	E1 The Translational Journey - Continuing Discussion and Potential for an UKSPA Special Interest Group <i>Interactive discussion (NB Bob Champion tour can be joined at 16.30)</i>	E2 Making Collaborative and Flexible Working Happen in Science Environments - Tools and Techniques <i>Dr. Patricia Hart, Quadram Institute, and colleagues</i>	E3 Medical and Translational Research and Teaching in the Bob Champion Building <i>Jasmine Waters, University of East Anglia, briefing session followed by tour</i>	E4 Making Laboratories More Sustainable - Practical Steps for Technical Managers and Users <i>Matthew Bennett, University of East Anglia</i>	E5 No Tour
16.45 - 17.30					Bob Champion Tour Quadram Institute General Tour