



**MORE SCIENCE FROM LESS RESOURCE:
2017 S-LAB AWARDS AND CONFERENCE HIGHLIGHT INNOVATIONS IN LABORATORY
DESIGN AND OPERATION THAT ENHANCE COLLABORATION AND PRODUCTIVITY,
AND MAXIMISES USE OF EQUIPMENT AND SPACE
Press Release, Embargoes until 0900 Wednesday 29 March 2017**

The 2017 S-Lab Awards has 26 shortlisted science buildings, and 20 laboratory initiatives and products, from 11 countries in 5 continents. Most of the entries will feature at the 'Science, Innovation and Translation' Conference in York on May 9-10 2017. Highlights of both include:

Best practice translational research facilities from Australia, Canada, the UK and USA, including the Harvard-linked Brigham and Women's Hospital in Boston.

A unique opportunity to compare and contrast new neuroscience facilities, with sessions on shortlisted entries from the Allen Institute in Seattle, the Cardiff University Brain Research Imaging Centre (CUBRIC), and the University of British Columbia's Djavad Mowafaghian Centre for Brain Health.

Comparing and contrasting different strategies for sustainable science, including the BREEAM and LEED certification that is the current norm for many shortlisted applications being challenged by net zero-carbon strategies (as with the University of Nottingham's GlaxoSmithKline Carbon-Neutral Laboratory for Sustainable Chemistry) or ultra-low-energy Passivhaus certification (as with the University of Leicester's Centre for Medicine).

The development of internet-based solutions to lab design, management and operation.

Innovative approaches to isolation and ventilation that allow great reductions in cost without compromising health and safety.

The shortlist, and the Conference Exhibition, also showcase many new products and services.

S-Lab Director Peter James believes that "The 2017 Conference and Awards show that laboratory design, management and operation are changing in response to new knowledge and technologies, competitive, financial and other pressures, and user expectations. The result is better research and teaching, more cost-effective operation – which can create more resource for actual science - and reduced environmental impact." S-Lab is a unique not-for-profit initiative that supports improvement in laboratory design, management and operation by linking key laboratory stakeholders through guidance, knowledge exchange and networks.

For more information see www.effectivelab.org.uk or contact S-Lab Director Peter James via s-lab@istonline.org.uk / 07533 891639.



FULL AWARDS SHORTLIST FOR 2017

See Awards section of www.effectivelab.org.uk for more details, including previous winners:

Life Science Research Building

Inspiring Transformative Design for Research: Seattle's Allen Institute (Perkins+Will)

Unique Capabilities at the Cardiff University Brain Research Imaging Centre (IBI)

Design Influences Research Culture at Glasgow's Sir Michael Stoker Building (Shepherd Robson)

Energy and Space Efficient 'Layered Labs' at NUI Galway's Biosciences Research Building (Reddy)

Place Making, Functionality and User Satisfaction at the BBSRC National Vaccinology Centre: The Jenner Building (NBBJ)

Adaptable, Multidisciplinary, Neuroscience at UCL's Sainsbury Wellcome Centre (Ian Ritchie)

Translational Research Building

A Building for Transformative Medicine at Boston's Brigham and Women's Hospital (NBBJ)

From the Benchside to the Bedside at the University of British Columbia's Djavad Mowafaghian Centre for Brain Health (Stantec)

The University of Dundee's Discovery Centre for Translational and Interdisciplinary Research (BMJ)

New Hudson Institute TRF Bridges Knowledge for Successful Outcomes (WoodsBagot)

Refurbished Laboratories

High Performance Rebirth for Interdisciplinary Research at Cornell's Kimball Hall (Payette)

Fighting Infectious Disease at the MRC's Keneba Laboratory in The Gambia (Austin)

Creating a Showcase of Science: Shared Resources and Science Neighbourhoods in Tampa's Moffitt Cancer Center (Gensler)

Multi-Science Learning in the University of Nottingham's Chemistry Teaching Laboratory (Castle Owen)

Biomedical Skills Training in the University of Sheffield's Faculty of Science (Castle Owen)

Physical Sciences Building

Industry Engagement and Interdisciplinary Physical Science at The Maxwell Centre, University of Cambridge (BDP)

Innovative Learning and Net-Zero Carbon at the Home of LEDs: The University of Illinois' ECE Building (SmithGroupJJR)

Learning from Pharma at the GlaxoSmithKline Carbon-Neutral Laboratory for Sustainable Chemistry, University of Nottingham (Fairhurst)

A New Ultra-Low Vibration Laboratory in the University of St Andrews' School of Physics and Astronomy (Keppie)

Sustainable Science Building (S-Lab/UKSPA Award)

Net-Zero Energy at Bristol Community College's John J. Sbraga Health & Science Building (Sasaki)

The University of Leicester's Centre for Medicine Building is Passivhaus Certified (Willmott Dixon)

Adaptability, Functionality and Sustainability at the Wellcome Wolfson Institute of Experimental Medicine, Belfast (Stantec and Ostick & Williams)

Form Equals Function: Swansea University's ESRI Building Uses Renewables to Study Renewables (Bouygues and Stride Treglown)



Innovation-Focused Building (S-Lab/UKSPA Award)

Biomedical Innovation and Unique Partnerships at The Francis Crick Institute (HOK and Arup)

Knowledge Exchange at Strathclyde's Technology and Innovation Centre (BDP)

Bristol's First Science Incubator, Unit DX, Provides Space and Support to Science SMEs (Oxford)

Laboratory Effectiveness

Improving Freezer Efficiency and Resilience at the University of Aberdeen

Cell and Gene Therapy Catapult's Uses a Web Design Application to Optimise Facility Layouts

RFID Asset Tracking Extends iLab Solutions' Laboratory Management Systems

A Lean Lab Approach to Improving Laboratory Health and Safety at Kuwait Oil Company

A Free Platform for Science Resource Sharing: Open IRIS at the Friedrich Miescher Institute

Effective, Efficient and Sustainable Laboratories at the Scottish Environment Protection Agency

Laboratory Environmental Improvement

The University of Alberta's Green Labs Programme Incentivises Energy Saving

A Department-led Initiative Reduces Energy Use in Plant Sciences at the University of Cambridge

Say No to 24/7 Ventilation: How The University of Copenhagen Saves £700+ pa Per Fume Cupboard

King's College London's SGDP Centre Saves Energy and Space

Contests Drive Researcher-Led Green Labs at the Massachusetts Institute of Technology

Fume Cupboard Upgrades at the University of Reading Save £315,000 pa, with a 3 Year Payback

Environmental Improvement With User Buy-in at the University of Strathclyde

Best New or Improved Product

In the Lab or the Bush, Lean Isolators Provide Conditions for Cleaner Results with Flexibility

CryoPod: Secure and Auditable Cryogenic Transfer That Minimises Transient Warming

Making Measurement Smart with Camlab's TRUEscience pH Meter

CSols' RTrackIT™ System Increases Sample Storage Efficiency and Resilience

LTE Scientific Rethinks Autoclaves to Minimise Energy and Water Usage

Best New Laboratory Concept

The Modular and Portable Shellbe Cleanroom System Enables Rapid and Low Cost Deployment

The Roslin Institute Enhances Lab Resource Efficiency Through Behavioural Change

Digital Rocks at Imperial College London: New Techniques For Earth Science Laboratories

Improved Measurement of Cellular Migration and Proliferation at the University of Nottingham

Making a Difference

Erin Fry, University of Chicago

Heather Sheeley, Public Health England

James Trout, Environment Agency

Joan Ward, Institute of Science and Technology

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