



3Rs 6th Annual Symposium, 17th December 2024

Hosted by The University of Exeter

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| 9:30am | Registration. Refreshments in Café |
| 10:00am | Welcome from Krasimira Tsaneva Establishment Licence Holder (ELH), Vice-President and Deputy Vice-Chancellor for Research and Impact and Professor of Mathematics for Healthcare (Exeter) |
| 10:10am - 11:05am | GW4 Researcher Talks (Part one) (15 minutes including Q&A) Chair: Professor Kate Ellacott, Faculty Director PG Research, Clinical and Biomedical Sciences (Exeter) |
| 10:10am | Professor Kate Ellacott: Introduction |
| 10:15am | Dr Helen Weavers, Associate Professor in Cell and Development Biology (Bristol): A novel Drosophila model of chronic inflammatory lung disease to explore airway damage, inflammation and infection in vivo NC3Rs |
| 10:30am | Dr Rob Williams, Reader Department of Life Sciences (Bath): Implementing an MEA platform for studying neural network dysfunction in neurodegeneration and for testing therapeutics / NC3Rs |
| 10:45am | Dr Matt Winter, Associate Professor in Translational Toxicology and Pharmacology (Exeter): Whole brain functional imaging in non-protected larval zebrafish to better understand the impact of neuroactive chemical exposure in humans /NC3Rs |
| 11:05am - 11:20am | Break Refreshments in Café |
| 11:20am - 12:15pm | GW4 Researcher Talks(Part two) (15 minutes each including Q&A) Chair: Professor William (Bill) Horsnell, Professor of Immunity to Infection, MRC Centre for Medical Mycology (Exeter) |
| 11:20am | Prof Bill Horsnell: Introduction |
| 11:25am | Professor Debbie Mason, Director Pre Clinical Research (Cardiff): A human 3D bone-sensory nerve co-culture model to investigate bone-derived pain NC3Rs |
| 11:40am | Dr Megan Jackson (BSc) and Julia Bartlett, Specialist Technician (Bristol): 3Hs work and whether male mice prefer to live alone |
| 11:55am | Professor Awen Gallimore, Co-Director of Systems Immunity Research Institute (Cardiff): Replacing Mouse Immunotherapy Models with Human Colorectal Cancer Organoid - T Cell Cultures NC3Rs |
| 12:15pm - 1:00pm | Lunch A complimentary lunch will be served in the Cafe with time to peruse the poster competition entries, chat with our sponsors and view exhibition tables, whilst the judging of posters takes place. |



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| 1:00pm - 1:20pm | 'Flash Talks' Chair: Eduarda Santos, DORI Biosciences, Assoc Professor in Environmental Biology (Exeter) |
| 1:20pm - 2:20pm | Invited Speakers (20 minutes each including Q & A) Chair: Professor Rod Wilson Biosciences (Exeter) |
| 1:20pm | Dr Juliet Dukes, Research Manager (Replacing Animal Research): Thinking Differently about Replacement |
| 1:40pm | Dr Georgie Wilkinson, Veterinary Surgeon (Red Kite): Small Changes; Big Impacts |
| 2:00pm | Dr Stephen Turnock, Programme Manager (NC3Rs): ARRIVE study plan: Including rigour assessment before the conduct of each experiment to maximise output |
| 2:30pm - 3:10pm | Panel Discussion: 'Where Can Artificial Intelligence Help Transform Our Approach to the 3Rs?' Chair: Professor Peter Kille, University Director of Technology, Bio-initiatives Director, School of Biosciences (Cardiff) Panellists: Dr Jess Eddy, Programme Manager (NC3Rs) Dr Conor Houghton, Assoc Professor Computer Science (Bristol) Dr Marc Goodfellow, Associate Professor Maths & Statistics / Computational Biology (Exeter) Dr Helen Weavers, Associate Professor (Bristol) |
| 3:10pm - 3:35pm | Break Refreshments in Cafe |
| 3:35pm - 3:55pm | Professor Charles Tyler, Biosciences (Exeter): Identifying key opportunities re:3Rs approaches and a topline summary of the day. |
| 3:55pm - 4:05pm | Dr Fiona Reynolds: Head of the Biological Research Facilities and NIO (Exeter): Awards for the 'Flash Talks' and Poster Competitions |
| 4:05pm - 4:10pm | Krasimira Tsaneva: ELH, Vice-President and Deputy Vice-Chancellor for Research and Impact and Professor of Mathematics for Healthcare (Exeter): An evaluation of the day with closing comments |
| | Close |



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