

## SCIENTIFIC PROGRAM

### SESSION LECTURE

No.20

Laboratory Animal Welfare in Biomedical Researches  
Room:Phoenix Room 1

Co-Chairs:  
Gao Changqing



William John Reynolds



#### Day 1 October 19th (Saturday) 14:00 – 17:30

Time	Speaker	Title
14:00-14:30	<b>Catherine Louise Ruby Merry</b> University of Nottingham, UK	Animal welfare value of synthetic matrices replacing animal tissue-based Matrigel
14:30-15:00	<b>Sun Deming</b> Scientific Research Institute of the National Health and Family Planning Commission, China	Review and Regulation of Laboratory Animal Welfare and ethics of Science and Technology in China
15:00-15:30	<b>Jussi Kalevi Akatius Helppi</b> Max Planck Institute of Molecular Cell Biology and Genetics, Germany	Principles for the efficient operation of laboratory animal facilities based on the full-service approach and a comprehensive cost analysis
15:30-16:00	<b>Tea Break</b>	
16:00-16:30	<b>Lu Jiahai</b> Sun Yat-sen University, China	End pandemic in the future--One Health
16:30-17:00	<b>William John Reynolds</b> Animals in Science Regulation Policy Unit, Home Office, UK	Can non-human primates be used repeatedly in animal study?
17:00-17:30	<b>Gao Changqing</b> XiangYa Hospital, Central South University, China	Better animal welfare equals better science: the case of sniffer dogs



### Gao Changqing

[cgao851@126.com](mailto:cgao851@126.com)

Associate Professor of Medicine, XiangYa Hospital, Central South University. He has been a clinician and Chairman of the Laboratory Animal Department of CSU, the founder of the Laboratory Animal Departments of the Third XiangYa Hospital and the XiangYa Hospital, and the current Chairman of the Welfare and Ethics Committee of the Chinese Association for Laboratory Animals. He has long focused on the use of sniffer dogs to detect human diseases.



### William John Reynolds

[William.reynolds10@homeoffice.gov.uk](mailto:William.reynolds10@homeoffice.gov.uk)

Head of Animals in Science Regulation Policy for the Home Office in Great Britain. He is responsible for stewardship of the UK Animals (Scientific Procedures) Act and oversight of the GB Regulator for animals in science. He is the senior lead on a regulatory reform programme to improve the effectiveness and efficiency of regulation and works closely with government departments and Ministers to deliver integrated animals in science policy, particularly on the 3Rs and new approach methodologies.



### Sun Deming

[sundemingnet@163.com](mailto:sundemingnet@163.com)

Professor at the Laboratory Animal Centre of the National Health Commission Research Institute/WHO Human Reproduction Research Cooperation Centre; Member of the Ethics and Animal Welfare Committee of the International Council for Laboratory Animal Science (ICLAS); Vice-Chairman and Secretary-General of the Welfare Ethics Committee of the Chinese Association for Laboratory Animals; Chinese Executive Chairman of the Sino-British International Forum on Animal Welfare Ethics (1-8).



### Catherine Louise Ruby Merry

[Cathy.Merry@nottingham.ac.uk](mailto:Cathy.Merry@nottingham.ac.uk)

Professor of Stem Cell Glycobiology at University of Nottingham and Visiting Professor, Uppsala University, Sweden. Cathy has been a board member of the National Centre for the Replacement, Refinement and Reduction of Animals in Research (NC3Rs) in the UK since 2019. Cathy's work uses synthetic extracellular matrices to understand the role of complex matrix sugars in development and disease. This includes working with stem-cell based models of early embryogenesis as well as models of cancer, fibrosis and genetic disorders.



### Lu Jiahai

[lujiahai@wmu.edu.cn](mailto:lujiahai@wmu.edu.cn)

Professor at Sun Yat-sen University, with a background in interdisciplinary training in epidemiology, vaccine science, pathogen biology and veterinary medicine. Dr Lu is also Director of the NMPA Key Laboratory for Quality Monitoring and Evaluation of Vaccines and Biological Products, Dean of the WMU Institute of One Health, Director of the One Health Center at Hainan Medical College, Editor-in-Chief of the One Health Bulletin, Adjunct Full Professor at the University at Albany, State University of New York.



### Jussi Kalevi Akatius Helppi

[helppi@mpi-cbg.de](mailto:helppi@mpi-cbg.de)

PhD. He joined the European Molecular Biology Laboratory (EMBL, Heidelberg, Germany) in 1996 as a supervisor of laboratory animal resources and has worked for the Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG) in Dresden, Germany, as Head of Biomedical Services (BMS). He is the Speaker of Services and Facilities, responsible for managing and representing the scientific services and facilities as well as the scientific administration offices at the MPI-CBG. He is the Chair of the Regional Committee for Animal Husbandry and Use in Dresden.