

PROGRAMME as at 25th September 2018

Approved by the Royal Society of Biology for purposes of CPD,
this event may be counted as 36 CPD credits

11.75 hours of educational activity will be recorded on Attendance Certificates

THURSDAY 15TH NOVEMBER 2018		
08.15 - 08.45	REGISTRATION	
08.45 - 09.00	WELCOME AND INTRODUCTION	
09.00 - 09.45	Plenary: Automated image analysis and Artificial intelligence in pathology <i>Sami Blom, Aiforia/Fimmic Oy, Finland</i>	
09.45 - 10.30	Plenary: Mouse models with humanised immune systems <i>Kourosh Saeb-Parsy, University of Cambridge, UK</i>	
10.30 - 11.00	REFRESHMENT BREAK AND ROOM CHANGE	
	Session 1: Mouse Pathology 1-0-1 (see notes)	Session 2: Animal models in oncology drug development
11.00 - 11.45	Pathology basics <i>Ellie Herbert, Royal Veterinary College, UK</i>	Overview of animal models of efficacy in oncology drug development <i>Jen Barnes, Covance, UK</i>
11.45 - 12.30	Histology basics <i>Anne-Laure Bauchet, Sanofi, France</i>	Immunophenotyping of the tumour microenvironment <i>Keith Mansfield, Novartis, USA</i>
12.30 - 13.30	LUNCH	
13.30 - 14.00	Toolkit for pathology <i>Anne-Laure Bauchet, Sanofi, France</i>	Improving drug efficacy evaluation with mass spectrometry imaging <i>David Bonnel, Imabiotech, France</i>
14.00 - 14.30	Creating pathology data <i>Cheryl Scudamore, Envigo, UK</i>	A mouse model of therapeutic margin following thoracic irradiation <i>Anderson Ryan, University of Oxford, UK</i>
14.30 - 15.00	Recognising common pathology lesions in mice <i>Elizabeth McInnes, Syngenta, UK</i>	Discovery safety modelling of traditional safety endpoints for oncology agents <i>Teresa Collins, AstraZeneca, UK</i>
15.00 - 15.30	REFRESHMENT BREAK	
15.30 - 16.15	Comparative histopathology <i>Cory Brayton, Johns Hopkins University School of Medicine, USA</i>	In vivo imaging mouse models in oncology drug development <i>Alan Wright, Cancer Research UK, UK</i>
16.15 - 17.00	Common causes of (un)expected death in mice <i>Cory Brayton, Johns Hopkins University School of Medicine, USA</i>	BSTP Annual General Meeting

FRIDAY 16TH NOVEMBER 2018	
08.30 - 08.55	REGISTRATION
08.55 - 09.00	INTRODUCTION TO DAY 2
09.00 - 10.00	The Royal College of Pathologists: The Kettle Lecture Plenary: Animal models in the age of CRISPR technology <i>Eckhard Wolf, Gene Centre, LMU Munich, Germany</i>
10.00 - 10.30	General toxicity testing in animal models of disease – a regulatory perspective <i>David Jones, MHRA, UK</i>
10.30 - 11.00	REFRESHMENT BREAK
11.00 - 12.00	Short Scientific Presentation:
	Technology on the Pitch: <i>Vector Laboratories Ltd</i>
	Short Scientific Presentation:
	Technology on the Pitch: <i>Deciphex</i>
	Short Scientific Presentation:
	Short Scientific Presentation:
	Short Scientific Presentation:
12.00 - 13.00	LUNCH
13.00 - 13.45	Mouse models of myeloid malignancies <i>George Vassiliou, Wellcome Trust Sanger Institute, UK</i>
13.45 - 14.30	The role of the microbiome in animal models <i>Axel Kornerup Hansen, University of Copenhagen, Denmark</i>
14.30 - 15.00	REFRESHMENT BREAK
15.00 - 15.45	3D/MPS systems – are they the models of the future? <i>David Hughes, CN Bio Innovations, UK</i>
15.45 - 16.00	Concluding remarks

Session 1 – Mouse Pathology Notes:

Pathology Basics: Why is pathology needed; basics of necropsy; recognising and describing gross lesions; taking samples; fixing. With a particular focus on preparation e.g. lung inflation, gut sampling and which localisation e.g. prostate.

Histology Basics: Basic tissue trimming (RENI); principles of correct localisation; orientation; amount of tissue; processing and embedding for H&E histology; correct staining; pitfalls.

Toolkit for pathology: Use of different fixatives; frozen tissue; decalcification; use of special stains; immuno; ISH; RNAscope etc.

Creating pathology data: Collecting and recording pathology data; planning a study; appropriate controls; quantitative vs semiquantitative.

Recognising common pathology lesions: Basic microscopic terminology; where to get the information i.e. INHAND, goRENI; common non-lethal background changes e.g. inflammation, foci etc.

Comparative histopathology: Important differences – mouse vs human; disease susceptibility and responses; related to strains; limitations.

Common causes of (un)expected death in mice: Strain and age-related differences; common strains e.g. C57Bl6, BALBc.

You are advised that the programme timings, lecture title and speakers may be subject to change without notice