

UKEMS Conference 2009

Leeds: July 12-15, 2009

Preliminary programme (update 06.06.2009)

Sunday, July 12th
Registration open: 14:00 – 18:00
Opening Ceremony: 17:00 – 18:15 Prof. Peter Farmer (UKEMS President) & Dr. Michael Routledge (Local Organiser) Keynote Opening Lecture: Frederick Beland (Jefferson, USA): <i>Mechanisms of acrylamide carcinogenicity in relation to human risk</i> Chair: Peter Farmer
Reception: 18:15 – 19:30 Lobby
Sunday Evening: 19:30 – Evening free to explore Leeds

Monday, July 13th		
Session 1: Transgenic Mouse Models to Study Metabolism and Genotoxicity		
Chairs: Volker Manfred Arlt & Takehiko Nohmi		
Time	Presenter	Title
08:45 – 09:30	Daniel Nebert (Cincinnati, USA)	Keynote Lecture: Mouse cytochrome P450 (<i>Cyp</i>) knockout, knock-in, and ‘humanised’ <i>CYP</i> lines are useful for environmental mutagenesis and cancer studies
09:30 – 10:00	Cliff Elcombe (Dundee, UK)	Nuclear receptor (CAR/PXR) humanised mouse models to study non-genotoxic hepatocarcinogenesis
10:00 – 10:30	Hansruedi Glatt (Potsdam, Germany)	Knockout and humanised mouse models for various sulfotransferases: usage in genetic toxicology
10:30 – 11:00 Coffee Break		
11:00 – 11:30	Volker Manfred Arlt (Sutton, UK)	The Hepatic Cytochrome P450 Reductase Null (HRN) mouse model as a tool to study carcinogen metabolism
11:30 – 12:00	Takehiko Nohmi (Tokyo, Japan)	Gpt delta rat and mouse: transgenic rodents for identification of genetic alterations at target organs of chemical carcinogens
12:00 – 12:30	Joost Melis (Bilthoven, The Netherlands)	Mutagenic and carcinogenic responses in NER-deficient mice
12:30 – 14:00 Lunch Break		
Session 2: Young Scientist & New Investigator		
Chairs: Karen Brown & Marcus Cooke		
Time	Presenter	Title
14:00 – 14:15	Paras Singh (Lancaster, UK)	Expression of phase I/II metabolizing enzymes and oestrogen receptors in the prostates from populations with differential risk of prostate adenocarcinoma
14:15 – 14:30	Franziska Ebert (Münster, Germany)	Inorganic versus organic arsenic: indirect genotoxicity and cellular uptake in A549 cells
14:30 – 14.45	Jennifer Higgins (Leicester, UK)	Can dietary agents be safely used as chemopreventative agents in bladder cancer?
14.45 – 15:00	Dorothee Funk (Heidelberg, Germany)	³² P-postlabelling analysis of DNA adducts formed by leukotriene A ₄ (LTA ₄)
15:00 – 15:15	Caroline Topham (Manchester, UK)	The role of NF-κB signaling in the response of GADD45α to DNA damage
15:15 – 15:30	Yuliya Krasikova (Novosibirsk, Russia)	Interaction of nucleotide excision repair factors XPC-HR23B, XPA and RPA with damaged DNA
15:30 – 15:50	Ingrit Hamann (Berlin, Germany)	A non-radioactive cleavage assay to examine the repair capacity towards 8-oxoguanine in subcellular and cellular systems and their impact on copper

15:50 – 16:10	George Johnson (Swansea, UK)	N-Methylpurine DNA glycosylase and its potential role in the mechanism behind the genotoxic threshold of ethy methanesulfonate
16:10 – 16:30	Silvia Gratz (Aberdeen, UK)	Effect of high-protein diets on faecal N-nitrosocompounds and genotoxicity of faecal water
16:30 – 18:30	Poster Session: <i>First hour odd numbered posters, second hour even numbered posters</i> with tea/coffee and wine	
Social Event: 19:30 – Evening bar gathering will be possible at the Students' Union (Old Bar or Terrace Bar depending on the weather)		

Tuesday, July 14th				
Session 3: TP53 Mutations in Molecular Carcinogenesis Chair: Monica Hollstein				
Time	Presenter	Title		
08:45 – 09:30	Gerd Pfeifer (Duarte, USA)	Keynote Lecture: Genetic and epigenetic changes in lung cancer and potential mechanisms		
09:30 – 10:00	Pierre Hainaut (Lyon, France)	Aflatoxin-induced R249S TP53 mutations in liver cancer: evidence for interactions with hepatitis B virus		
10:00 – 10:30	Monica Hollstein (Leeds, UK)	Mouse Models to study senescence bypass and cancer mutations		
10:30 – 11:00 Coffee Break				
Session 4: (Joined Session with the German Environmental Mutagen Society [GUM] – DNA Repair and Genome Stability) Chair: Eugenia Dogliotti				
Time	Presenter	Title		
11:00 – 11:30	Eugenia Dogliotti (Rome, Italy)	DNA damage response in terminally differentiated cells and implication for human health		
11:30 – 12:00	Tanja Schwerdtle (Münster, Germany)	Inhibition of DNA repair by metals: new insights into molecular mechanisms		
12:00 – 13:00	UKEMS AGM			
13:00 – 14:00 Lunch Break				
Parallel Session 5: DNA damage and Mutagenesis Chair: Michael Routledge				
Parallel Session 6: UK Industrial Genotoxicity Group [UK IGG] – New Technologies and new Challenges in Genotoxicity Assessment Chair: Mick Fellows				
Time	Presenter	Title	Presenter	Title
14:00 – 14:30	Jim Allan (Newcastle, UK)	DNA repair dysfunction and genomic instability in therapy-related malignancy	Stephen Dertinger (Rochester, USA)	Cross-species mutation assay based on the <i>Pig-a</i> gene
14:30 – 15:00	Michael Routledge (Leeds, UK)	<i>In vitro</i> responses to urban particulate matter	Frank Martin (Lancaster, UK)	Application of mid-IR spectroscopy to identify markers of morphological change with SHE cell transformation
15:00 – 15:30	Roel Schins	Analysis of oxidative stress,	Daniel Smart	GammaH2AX: Applications

	(Düsseldorf, Germany)	inflammation and oxidative DNA damage in mouse lungs after short-term inhalation of spark-generated carbon nanoparticles	(Ware, UK)	in genetic toxicology and drug development
15:30 – 16:00	Coffee Break			
16:00 – 16:30	Paul Lewis (Swansea, UK)	Exploring the mutation signatures of mutagens and cancer	Catriona McComb (Ware, UK)	Kinases as therapeutic agents: a new potential genetic toxicology liability
16:30 – 17:00	Karen Brown (Leicester, UK)	Dose response relationships for adducts induced by low dose [¹⁴ C]-ethylene oxide in rats	Catherine Priestley (Macclesfield, UK)	Safety assessment for biopharmaceuticals
Conference Dinner: 19:00 – 24:00 Conference Dinner at the University Refectory (adjacent to the Students' Union)				

Wednesday, July 15th**Session 7: UK Molecular Epidemiology Group [UK MEG] – Biomonitoring of Human Populations and Cancer Risk Assessment**

Chairs: David Phillips & Paolo Vineis

Time	Presenter	Title
08:45 – 09:30	Regina Santella (New York, USA)	Keynote Lecture: Exposure and epigenetic biomarkers in studies of breast and hepatocellular cancer
09:30 – 10:00	David Phillips (Sutton, UK)	Insights into cancer aetiology from studying DNA adducts in humans
10:00 – 10:30	Peter Farmer (Leicester, UK)	New developments in DNA adduct measurements for molecular epidemiology
10:30 – 11:00	Coffee Break	
11:00 – 11:30	Paolo Vineis (London, UK)	Expectations from the application of -omics to longitudinal studies: examples
11:30 – 12:00	Yun Yun Gong (Leeds, UK)	Urinary fumonisin B ₁ biomarker validation and application in intervention studies
12:00 – 12:30	Frederik-Jan van Schooten (Maastricht, The Netherlands)	Modulating factors of DNA adduct levels induced by carcinogenic exposures
12:30 – 13:30	Lunch Break	
13:30	Conference Ends	