

Genotoxicity researchers from CRIB attend the United Kingdom Environmental Mutagen Society annual conference

The United Kingdom Environmental Mutagen Society recently held its 38th annual conference at Plymouth University on 12-15th July 2015 and there was a strong UWE contingency in attendance. The conference included talks on genome stability, epidemiology, genetic toxicology guidelines, ecotoxicology, cancer prevention, nanotoxicology and animal replacement research.

During the proceedings, UWE researchers made a substantial contribution to the conference with Dr. Ruth Morse co-chairing a session on genome stability, with oral presentations from Saeed Kabrah (PhD student) and a co-presentation from Drs Jenni May and Elizabeth Anderson. Proffered abstracts from Ruth Morse's research group were selected for poster presentation with all four posters winning bursaries to attend the conference (Simon Andrews & Saeed Kabrah [PhD], Joshua Jones & Alex Vernon [MSc]).

During the conference, the students had the opportunity to mingle and network with experts in the field from a range of universities and pharmaceutical companies including AstraZeneca, GlaxoSmithKline, Covance and Unilever.

Oral Presentations from UWE:

A novel biosensor for prediction of global hypomethylation by decitabine and azacytidine in leukaemic cells. Jennifer May, Joel Allainguillaume, Keith Page, Coral Stratford-Smith, Arinze Aruomaren, Habib Alloush, Vyv Salisbury, Ann Smith, Elizabeth Anderson, Mark Ruddock, Ashley Martin, Cherith Reid and John Lamont

Determination of the appropriate reference gene for real-time PCR analysis of the immortalized stromal cell line HS-5 in 2D and 3D culture following melphalan exposure. Saeed Kabrah, Jenny May, Craig Donaldson and Ruth Morse

Poster presentations:

The Stromal Cell Line HS-5 Is An Alternative Mesenchymal Stem Cell Source for the Development of a 3D Bone Marrow Model. Saeed Kabrah, Jenny May, Craig Donaldson and Ruth Morse.

Bone marrow and myeloma cellular communication protects from genotoxicity in a drug-specific manner. Simon Andrews, Jennifer May and Ruth Morse.

Different nitrogen mustard side moieties affect the resolution of DNA cross links by hAAG, as interpreted by the comet assay. Joshua Jones, Niloufar Farahani, Alex Vernon and Ruth Morse.

Crosslinks induced by Mechlorethamine, but not those induced by Cisplatin, are resolved by human alkyl adenine DNA glycosylase. Alexander Vernon, Niloufar Farahani, Josh Jones and Ruth Morse