EU Discover Research Night
27th September 2013, 18:00-21:00

Public Event

Professor Luke O’Neill, Academic Director of TBSI gave the opening address. This was followed by short presentations by leading TBSI researchers regarding their research and its relevance to human health. These will cover Immunology, Biochemistry, Bioengineering, Medicinal Chemistry and Medicine.

Guided visits to various parts of the building.
Researchers explained the technologies used in research, how they used the technologies, what they can learn from them and what benefit this is to their research. Visitors had the opportunity to allocate scores to the presentations. Prizes will be awarded to the researcher with the best scores.

Visitors had the opportunity to visit a selection of the following:
Biochemistry Teaching Laboratory: where researchers teach students about the essential tools and techniques used in biochemical research
Bioengineering: where researchers are developing ways of repairing the human body
Category 3 Facility: where researchers work on finding treatments for diseases like Hepatitis C and HIV.
Confocal Microscopy: where fluorescence is used to mark parts of cells, and a microscope is then used to observe in detail what is happening in the cells
Crystallography: how X-rays are used to examine the structures of molecules
Flow Cytometry: how lasers are used to look at the physical and chemical characteristics of up to thousands of particles or cells per second.
Medicine Research: where researchers work on finding treatments for inflammatory diseases like dermatitis, eczema, fibrosis.
NMR (nuclear magnetic resonance spectroscopy): the use of powerful magnetic fields and radio waves to examine the structures of large molecules like proteins and enzymes

The Evening concluded with refreshments, viewing of photographs of the Institute facilities, and prize-giving for the best research presentations based on scoring by members of the public.