



Bioscience

Programme	
10.00	Coffee and Registration
10.30	Supporting Learning and Teaching in Biosciences: Introducing LTSN Bioscience <i>Prof. Ed Wood, Director, LTSN Centre for Bioscience</i> Find out more about LTSN Bioscience and the support services we can offer you.
11.00	Innovative Teaching Methods <i>Professor Ed Wood, Director, LTSN Centre for Bioscience</i> Individuals learn because they want to learn or have a need to learn. They learn better by doing or experiencing rather than just listening, and they need to have time to digest new knowledge and make it their own. Feedback helps them in both the experiencing and the digestion. We should therefore teach in ways that exploit this knowledge of how people learn. This session looks at how innovative teaching methods may be used to stimulate learning, but it also recognises the fact that we are under pressure to teach more with less. Innovative teaching methods can help here to relieve the pressure but still promote successful learning.
11.45	Interactive Teaching using Personal Response Systems <i>Dr. Mike Matthey, Department of Bioscience & Biotechnology, University of Strathclyde</i> A short presentation followed by the chance to have a play (at lunchtime) with the personal response system (PRS) used for interactive teaching at the University of Strathclyde.
12.00	Lunch and informal discussion
13.00	The role of practical work in biosciences (including alternatives to wet practicals?) <i>Dr Allan M. Jones Division of Environmental and Applied Biology and Life Sciences Teaching Unit, University of Dundee & Professor Ed Wood, Director, LTSN Centre for Bioscience</i> Practical work forms the cornerstone of scientific practice. However, curriculum time-constraints and increasing numbers of students, together with the costs associated with practicals, have resulted in a reduction of practical components in modern curricula. We need to re-visit the practical curriculum and examine its content in terms of both technical skills requirements and the development of generic transferable skills. This talk will look at the role of practicals and their content and will go on to look at some alternatives to practicals and their merits.
15.00	Tea and coffee break
15.20	Zoology Virtual Laboratory: sublethal metal toxicity <i>Mr. Phil Marston, Learning Technology Unit, University of Aberdeen</i> Phil will demonstrate a self-contained On-line Virtual Laboratory shell using one of the first experiments to use the new environment: investigating the effects of sub-lethal copper contamination on <i>Gammarus duebeni</i> .
15.50	Sharing good practice in bioscience practical classes <i>Dr. Jackie Wilson, LTSN Centre for Bioscience</i> An introduction to a new LTSN Bioscience project.
16.00	Tea and depart