'Enhancing Bioscience Student Learning Through C&IT'

Tuesday 25th September, 2001
University of Bristol

(This event is free of charge)

Programme

10.00 *Coffee and registration*

10.30 **Supporting Learning and Teaching in Bioscience: Introducing LTSN Bioscience**
Prof. Ian Hughes, LTSN Bioscience
LTSN Bioscience is a new service supporting learning and teaching- find out what we are doing to help academic staff.

11.00 **Session 1: Using IT to Support Research-Based Learning**
Dr Mick Roach, TELRI, University of Warwick
In research, we base our activities on the outcomes of previous research: in teaching, we tend to teach in the same way we were taught! There is a great deal of research into teaching: how can practitioners base their educational practices on educational research findings? Mick Roach will describe work associated with research-based teaching methods using IT.

1.00 *Lunch*

1.45 **Session 2: Real Learning in a Virtual Environment**
Dr Andrew Booth, University of Leeds
IT impinges on all aspects of life these days. What effect is it having on the efficiency and especially the efficacy of teaching? Dr Booth will discuss both the technology and the educational background of using IT in learning and teaching. In particular, he will focus on the use of virtual learning environments in teaching biological subjects.

Two parallel sessions for session 3

2.45 **Session 3a: Use of On-Line Multimedia in Biology Education**
Paul Shabajee, Institute of Learning and Research Technology, University of Bristol
Biology is rich in images. These are of course based in research and in the summarisation of data, but in addition, in teaching. The use of images is very important for illustration and for aiding students' understanding. Paul Shabajee will describe and invite feedback about the ARKive project, which is currently working

to create multimedia profiles of 1,200 animal and plant species and their habitats. The profiles will contain photographs, video and audio clips as well as map and textual data. The project website will contain a number of on-line tools to help FE and HE lecturers and students get the most out of the rich data.

2.45 **Session 3b: Video-streaming for the Pragmatic Bioscientist**
Terry McAndrew, LTSN Bioscience
The recent improvements in network infrastructure, coupled with the development of affordable (sometimes free) software, has enabled video streaming of educational materials to become a reality for many users. Terry will demonstrate the most popular options for implementing video streaming that could be used to support Bioscience teaching and highlight some of the important organisational issues to address.

3.45 *Tea and wrap-up*