Webliography: annotated listings of external web sites

September 2002

- **Critical Thinking in Biology: Case Problems: A guide for Instructors**
  http://www.saltspring.com/capewest/ct.htm
  Biology Education has been criticized for emphasizing mindless memorization over analytical and creative science. This page illustrates how CASE PROBLEMS can inspire students in an introductory college biology course to develop scientific reasoning skills.

- **Problem-based Learning in Biology with 20 Case Examples**
  http://www.saltspring.com/capewest/pbl.htm

- **Biochemistry and the Practical Basis of Medical and Dental Science**
  http://www.liv.ac.uk/~agmclen/Medpracs/Prachomepage.html
  A set of six biochemistry and biomedical science practical classes to illustrate some common laboratory techniques used in clinical chemistry, cytogenetics etc. and the scientific principles upon which these are based, and to put these in a context where their relevance to clinical practice can be appreciated.

- **Data Analysis for Postgraduate Researchers in the Life Sciences**
  http://www.stams.strath.ac.uk/teaching/classes/53.904/practicals/index.php
  This page provides links to practicals material.
  These documents are provided in pdf format, and must be viewed using Adobe's acrobat reader plug-in.

- **Compendium of Innovation and Good Practice in Teaching Pharmacology**
  http://www.bps.ac.uk/epharnet/
  A collection of examples of practical and other forms of teaching activities that provides stimulating ideas for developing practice. Although pharmacology based, there are many examples that relate to generic skills development and that could be adopted in other branches of life sciences.

- **Assessment under Pressure**
  http://www.brookes.ac.uk/services/ocsd/2_learntch/aup14pr.html
  - 14 Innovative Case Studies from The Oxford Centre for Staff and Learning Development of Oxford Brookes University. Includes case studies involving assessment of practical work by peer assessment as well as other more general examples.

- **Promoting Effective Learning in the Chemistry Laboratory**
  http://dbweb.liv.ac.uk/ltsnpsc/workshop/reports/labchem.htm
  LTSN Physical Sciences Professional Development Workshop summary report with some useful and interesting summaries and observations of relevance to laboratory activities in science generally.

- **Neuroanatomy & Neuropathology on the Internet**
  http://www.neuropat.dote.hu/
  A searchable directory compiled for medical students, residents, and other health professionals.

- **The Axon Guide for Electrophysiology & Biophysics: Laboratory Techniques**
  http://www.axon.com/MR_Axon_Guide.html
  A practical laboratory guide covering a broad range of topics, from the biological basis of bioelectricity and a description of the basic experimental setup, to the principles of operation of the most advance hardware and software currently available.

- **The Internet Pathology Laboratory of Medical Education**
  http://medlib.med.utah.edu/WebPath/webpath.html
  This web resource includes over 1900 images along with text, tutorials, laboratory exercises, and examination items for self-assessment that demonstrate gross and microscopic pathologic findings associated with human disease conditions.

- **Plant Sampling**
  http://www.wes.army.mil/el/aqua/apis/ecological/plantsam.html
  The methods described can be employed by operational aquatic plant management efforts to quantify the aquatic plant problem, monitor the success of the management plan on a whole-system basis, or assess the effectiveness of individual management techniques.

Anatomy

- **Human anatomy**
  http://www.leeds.ac.uk/chb/humbmods.html
  Notes to accompany Human Anatomy practicals.

- ## Human Microscopic Anatomy
  http://medocs.ucdavis.edu/CHA/402/course.htm
  Teaches normal structure of cells, tissues and organs to explain function in the human body.

- **Clinical Anatomy Interactive Laboratory Practical**
  http://www.osl.u-net.com/m322.htm
  This CD-ROM realistically simulates the lab practical exam. Students are presented with flagged screen images and related questions. They can select tutorial mode or simulated test mode.