

UK Centre for Bioscience

Supporting teaching in higher education to improve student learning across the biosciences

Supporting teaching in higher education to improve student learning across the Biosciences



Subject Centres and the Higher Education Academy

Supporting the Student Learning Experience 24 Subject Centres

- Bioscience
- Physical Sciences
- Medicine, Dentistry and Veterinary Medicine
- Geography Earth and Environmental Sciences
- Health Sciences and Practice

Based in universities across the UK

Higher Education Academy



UK Centre for Bioscience

- Based at the University of Leeds
- 12 staff about half full time
- Cover 26 Bioscience disciplines





Post-Its!

- Write down one (or more) resources you've found useful in your teaching
- Turn to your neighbour what is your resource and why was it useful
- Any volunteers to give some very brief feedback
- Keep your post-its! I'll collect them at the end



Supporting your teaching

- Website
- Resources
 - ImageBank
 - To use in tutorials
 - For your students
- Student Award
- Networking and contacts





- New lecturers
- Postgraduate Teachers and Demonstrators
- Practical work
- Fieldwork
- Disability and Accessible Curricula
- Ethics and Bioethics

www.bioscience.heacademy.ac.uk



Resources

- New Lecturers pack
- Short Guides
- Learning Guides
- Bulletin
- Assessment Briefing
- Teaching Guides

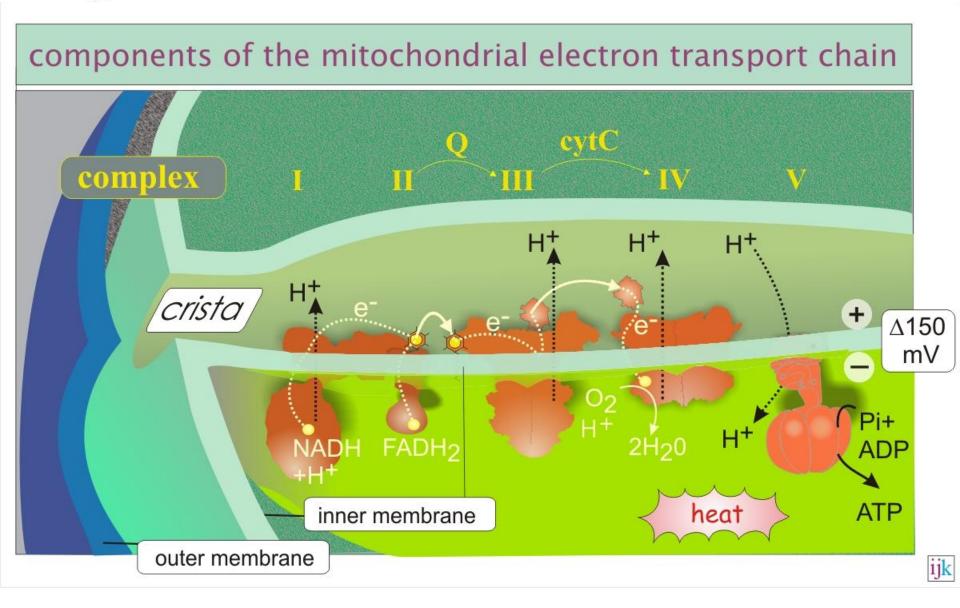




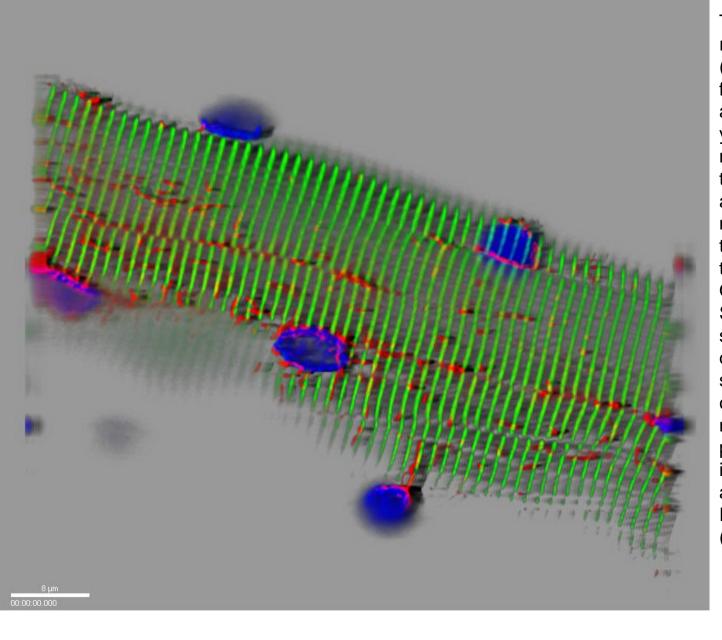


Online database of images for learning and teaching

- Illustrate handouts
- Practical schedules
- Resource to suggest to your students
- Use in your own dissertations, thesis reports...







Muscle Stripes

The white stripes are the repeating elements (sarcomeres) of the muscle fibre. Nuclei are in blue, and microtubules are in yellow/green. The microtubules ramify throughout the muscle, acting as tracks for molecular motors to transport cargo from A to B. the image was taken on an Olympus microscope using Softworx acquisition software. the image was deconvolved, and 4 sequential Z-sections were combined to make a maximum intensity projection using Imaris. the image was then rotated and cropped using Adobe Photoshop CS3. Scale Bar (white) is 10 microns.

Cobra Lily - Darlingtonia californica

An incredible adaptation allows this rare plant to grow in low nutrient soils; it captures insects and absorbs their nutrients. Unlike most carnivorous plants that secrete digestive enzymes, the Cobra Lily relies on a symbiotic relationship with bacteria and protozoa to break down its prey. the insects are attracted to the opening on the underside of the head with sugary bait. the protruding forked tongue could serve as a landing platform and gives the plant its name.



Resources to use in tutorials

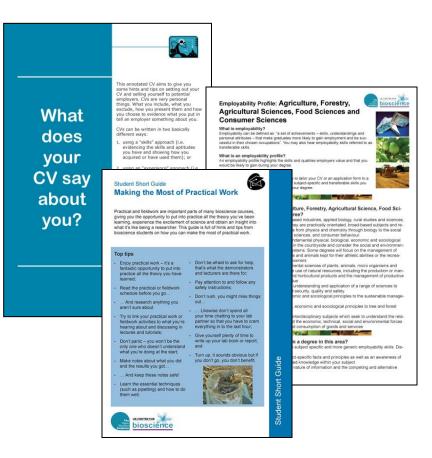
- Employability materials
- Bioethics Briefings
- Student Award





Resources for your students

- Employability materials
- Short Guides
- Student web pages
- Links to external projects and resources



www.bioscience.heacademy.ac.uk/network/students/



Student Award

- "The pluses and minuses of maths on my bioscience course"
- Open to both U/G and P/G
- Win up to £300
- U/G and P/G prizes this year
- Interested in being on the marking panel?



www.bioscience.heacademy.ac.uk/funding/essay/



You are not alone!

- Enquiries service
- Events
- Representatives
- Join the network





Any questions?

- Katherine <u>k.a.clark@leeds.ac.uk</u>
- Centre <u>heabioscience@leeds.ac.uk</u>
- Or phone us on 0113 343 3001

Event report:

www.bioscience.heacademy.ac.uk/events/reports.aspx