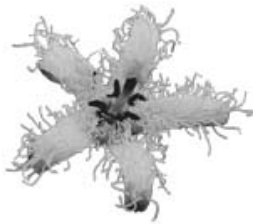
North-West Regional Lecturers Forum

Welcome and introductions

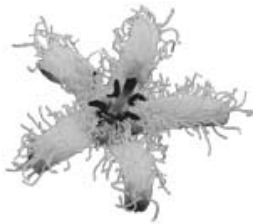
Supporting teaching in higher education to improve student learning in the Biosciences



Why Regional Fora?

Aims:

- Encourage engagement with the Centre & local colleagues
- Raise awareness of the Centre
- Enable meeting and networking
- Swapshop/sharing of practice



Format of today

12.00 - Update from the Centre

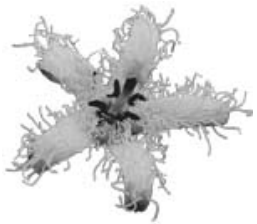
12.30 - Lunch

13.30 - Swapshop session

14.30 - Workshop

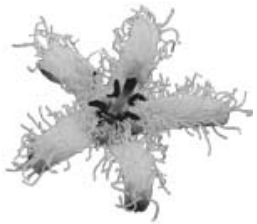
15.30 - Close

Centre News



Current areas of interest

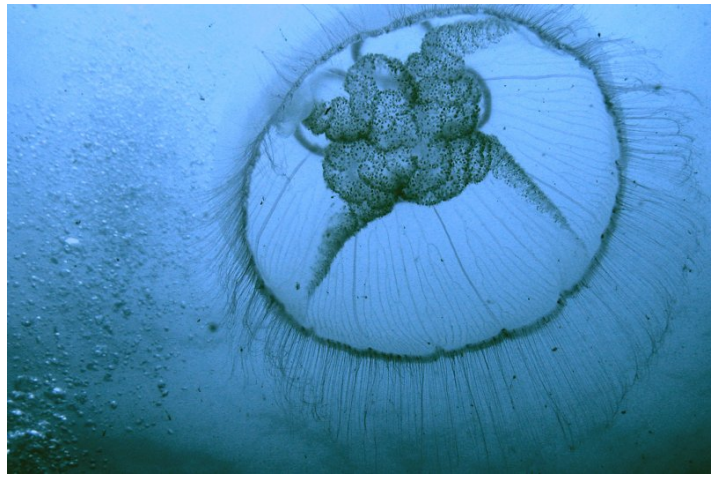
- Practical / Fieldwork Skills
- Employer Engagement
- Creativity
- Transition into and within HE
- Diversity



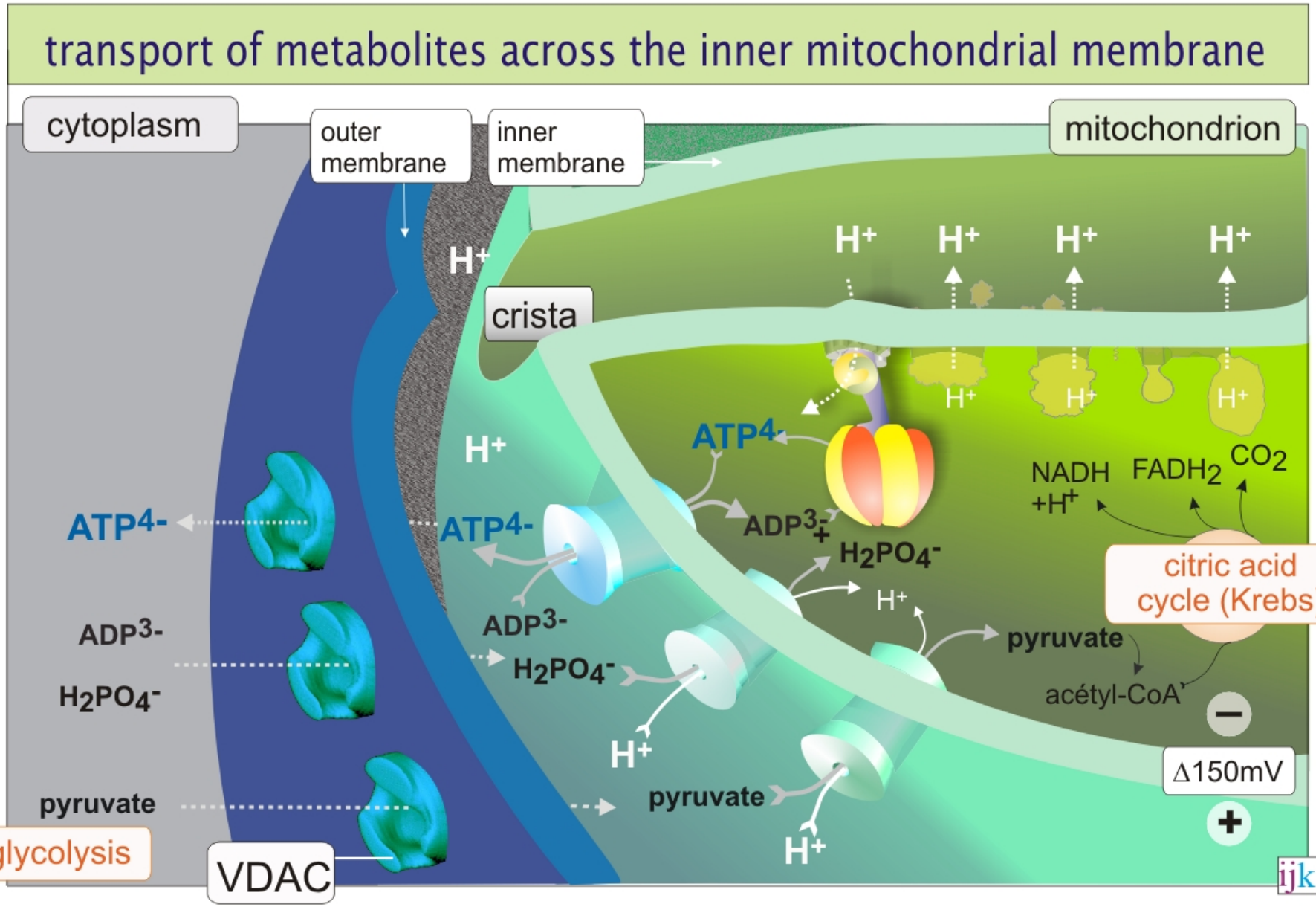
Events 2008-09

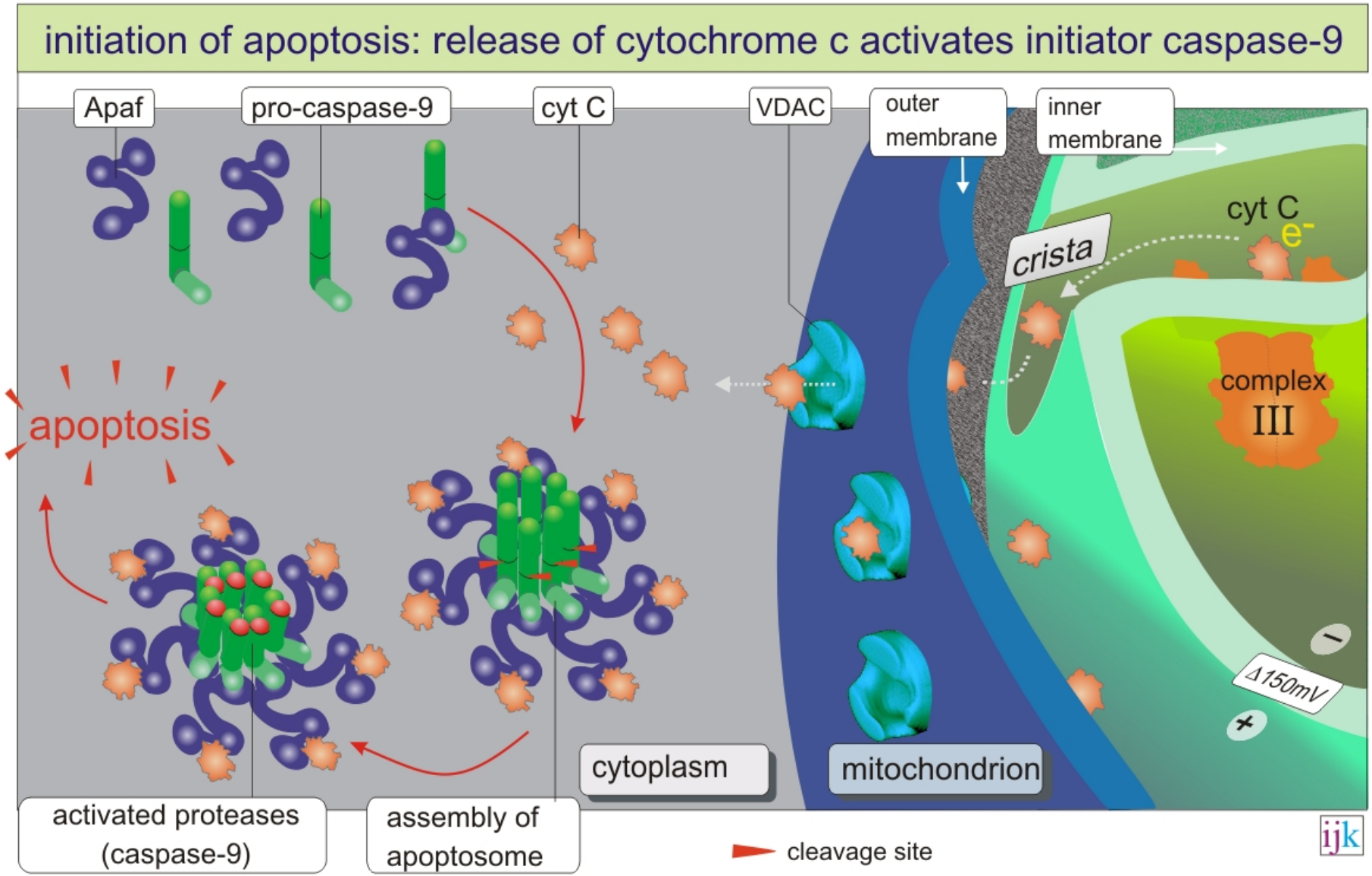
- Science Learning and Teaching Conference
- Final year projects
- Ethics
- Assessment of work placements
- Differentiated Learning
- Engaging students Forum

ImageBank

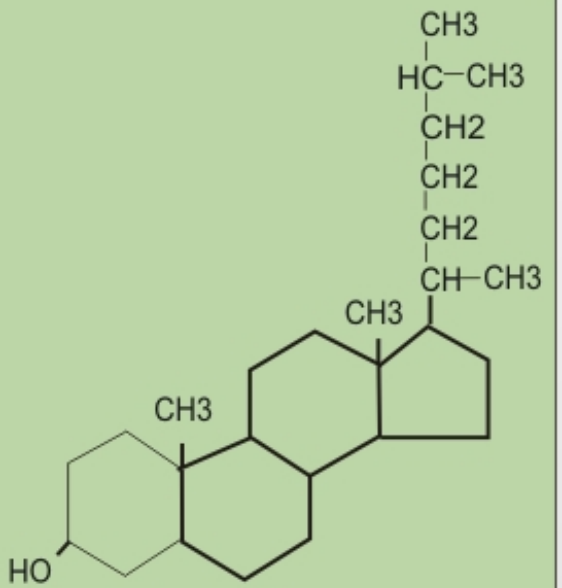


- Now over 6000 Images
- New collections
  - Mostly Marine
  - Buglife
  - Cell Biology and Biochemistry


transport of metabolites across the inner mitochondrial membrane
cytoplasm
outer membrane
inner membrane
mitochondrion
crista
H+
ATP4-
ADP3-
H2PO4-
NADH +H+
FADH2
CO2
citric acid cycle (Krebs)
pyruvate
acétyl-CoA
Δ150mV
glycolysis
VDAC
ijk

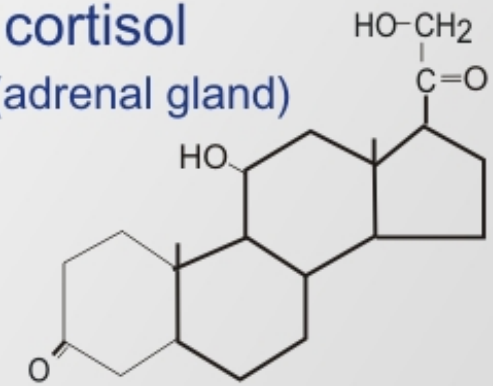

initiation of apoptosis: release of cytochrome c activates initiator caspase-9
Apaf
pro-caspase-9
cyt C
VDAC
outer membrane
inner membrane
cyt C
e-
crista
complex III
apoptosis
Δ150mV
cytoplasm
mitochondrion
activated proteases (caspase-9)
assembly of apoptosome
cleavage site
ijk

cholesterol, precursor for the synthesis of steroids

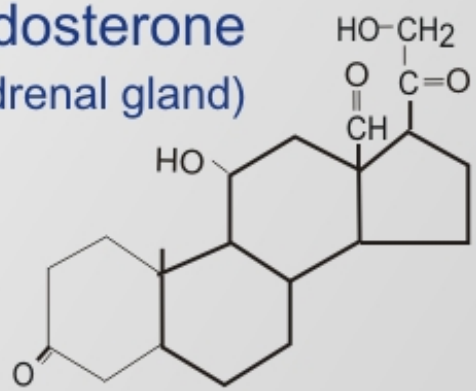


cholesterol

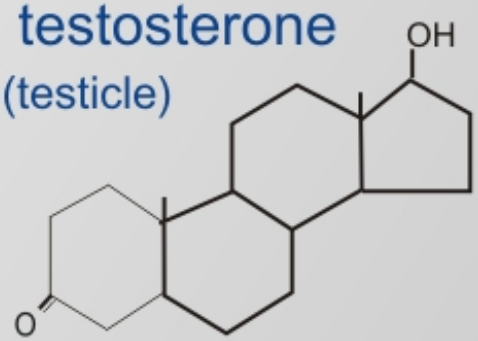
cortisol
(adrenal gland)



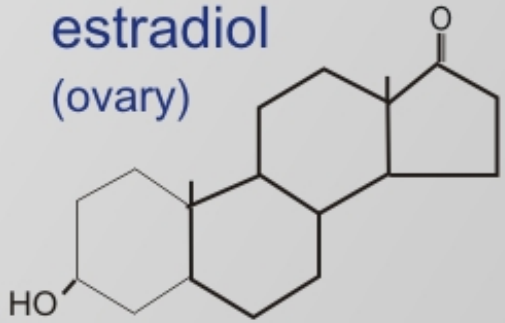
aldosterone
(adrenal gland)



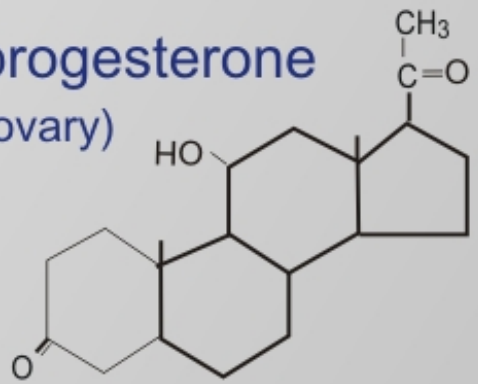
testosterone
(testicle)

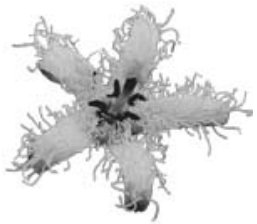


estradiol
(ovary)



progesterone
(ovary)





ImageBank

- Would you like to contribute?
- Help us reach 10000 images!
- We’re always on the lookout for new images
- Research Collection
  - recent and cutting edge research
  - raise awareness of your research

National Subject Profiles

- Microbiology
- Biochemistry

Short Guides

Aims:

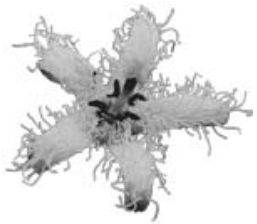
- Accessible introductions to various topics
- Any suggestions for future guides?

How to sheets

- Developed through funding from the ESD group
- Making your teaching more sustainable
- Ideas for introducing ESD

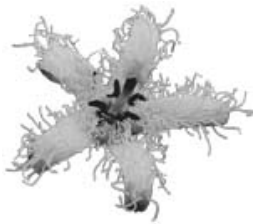
Student Essay

- Thank you!
- 36 entries
- Winning, runner-up and shortlisted entries all on our website



Share your teaching practice

- Case study funding
  - employer engagement
  - transition to higher education
  - general call
  - www.bioscience.heacademy.ac.uk/funding/cs
- HEAT3



Coming soon...

- New Teaching guide - Student research in the biosciences
- Report – 1st Year practicals and their influence on bioscientists
- Themed Bulletin – Practicals and fieldwork