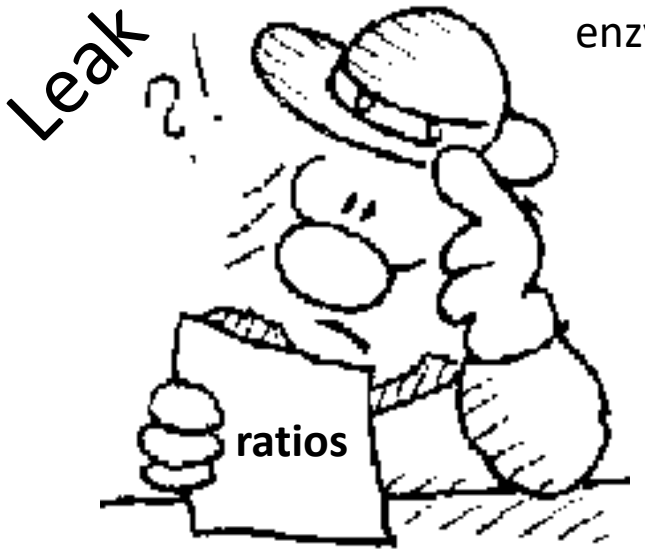
Working group I – Outlook

Respiratory states

Units

chapter

Flux, Flow



enzymes

WGI joint publication on terminology

Limited scope - respiratory states

Target a broad audience – also the new generation
Terms platform independent - demands of the working groups
General introduction, linked to the history of mitochondrial physiology
Start and when a first draft is available send it out again – invite people (MIG list)

Retreat
Preprint

List of terms including
including historical terms
abbreviations: mtDNA, should use mt to abbreviate mitochondrial – with mt
move to pathway related nomenclature instead of using CI+/CI+II/CII
OXPHOS capacity: also discuss saturating substrate/Pi ..concentrations

Journal: Int. Journal of Biochemistry and Cell biology – W. Koopman is the new editor
Open access,
Format will be send out

WGI Towards a harmonization of terminology in mitochondrial respiratory physiology

AFTERNOON

Series of cartoons on ETS system

Chapters:

- From bioenergetics to mitochondrial physiology - historical view
- The mitochondrial respiratory system
- Rates and States
  - Units (for database is important) : show with an example
    - Flow $C.s^{-1}$
    - Flux $C.s^{-1}.m^{-3}$
    - Rate
- Intact cells, mt preparation and normalization
- Coupling states: including intact cells
- Pathway states intact cells vs. permeabilized
- References

Retreat to write it

WGI data evaluation, data management

Data evaluation

Comparison of your own control samples over time and between studies
define control sample – train people to reach this standard before project starts

Normalisation

calculation dry weight to wet weight – done in more laboratories
calculate protein content per million cells, include it in publications

Platform comparison

dedicate some short term scientific missions

MoTrPac: suggested to use the same spread sheet for data reporting
short term scientific missions in collaboration

Mammoth task to make the EAGLE fly