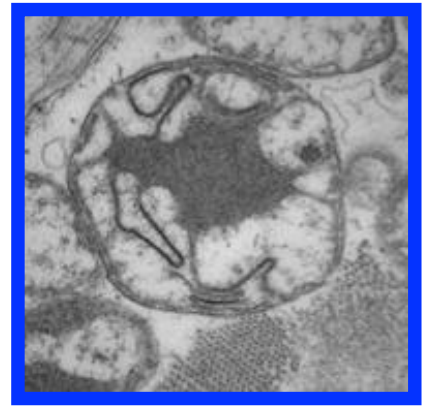
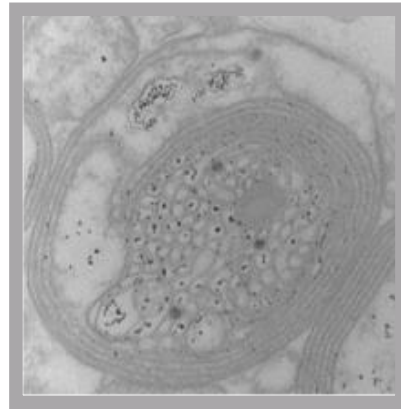
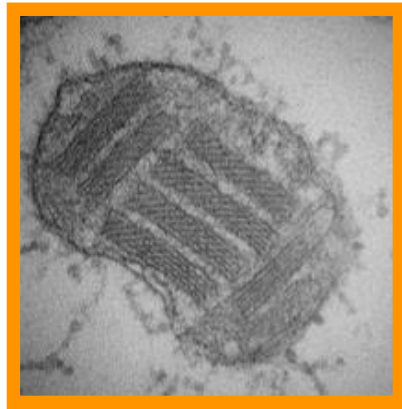
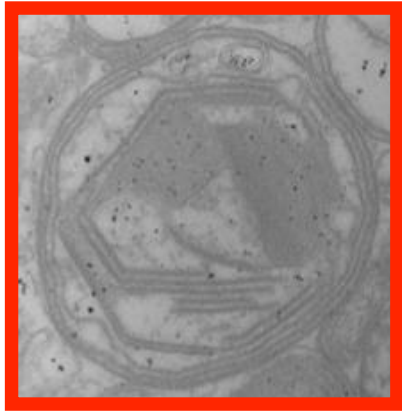


Careers in Biosciences



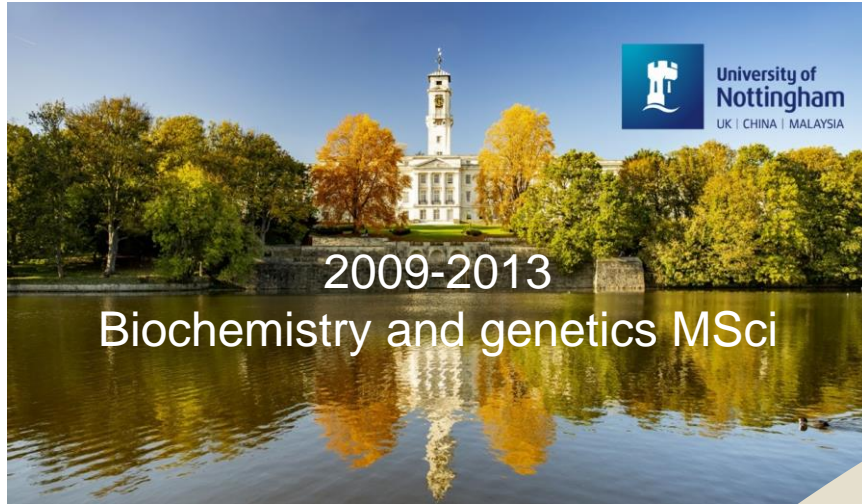
Dr Amy Vincent (She/Her)

Newcastle University Academic Track Fellow

About me



My journey to date



A Levels
Biology
Chemistry
Maths
Economics

Undergraduate
Biochemistry
and Genetics
at University of
Nottingham

PhD in
Mitochondria and
skeletal muscle,
Newcastle
University

Henry Wellcome
Postdoctoral
Fellow,
Newcastle
University

Newcastle
University
Academic Track
Fellow
Newcastle
University



To do a PhD or not?

YES

- Interested in the subject area
- Want to build skills that are transferable to a wide range of careers
- Interested in careers in academia
- Want a challenge

NO

- Not sure what you want to do
- Want to continue education
- Not sure what subject you'll find interesting

What kind of lab/supervisor for a PhD?

- Big lab/small lab
- Career stage of PI
- What do those who work with or have worked with them previously say
- Do their PhD students publish?
- Ask questions – how do they supervise, what kind of training is involved...

So you got a PhD.... what next?

- Have I enjoyed my PhD?
- Do I see my self as a post-doc (talk to post-docs you work with)
- Am I good at this?
- Do I want to be an academic, pursue a technical career, something else?
- Technical, Teaching, Research, Outside of Academia...

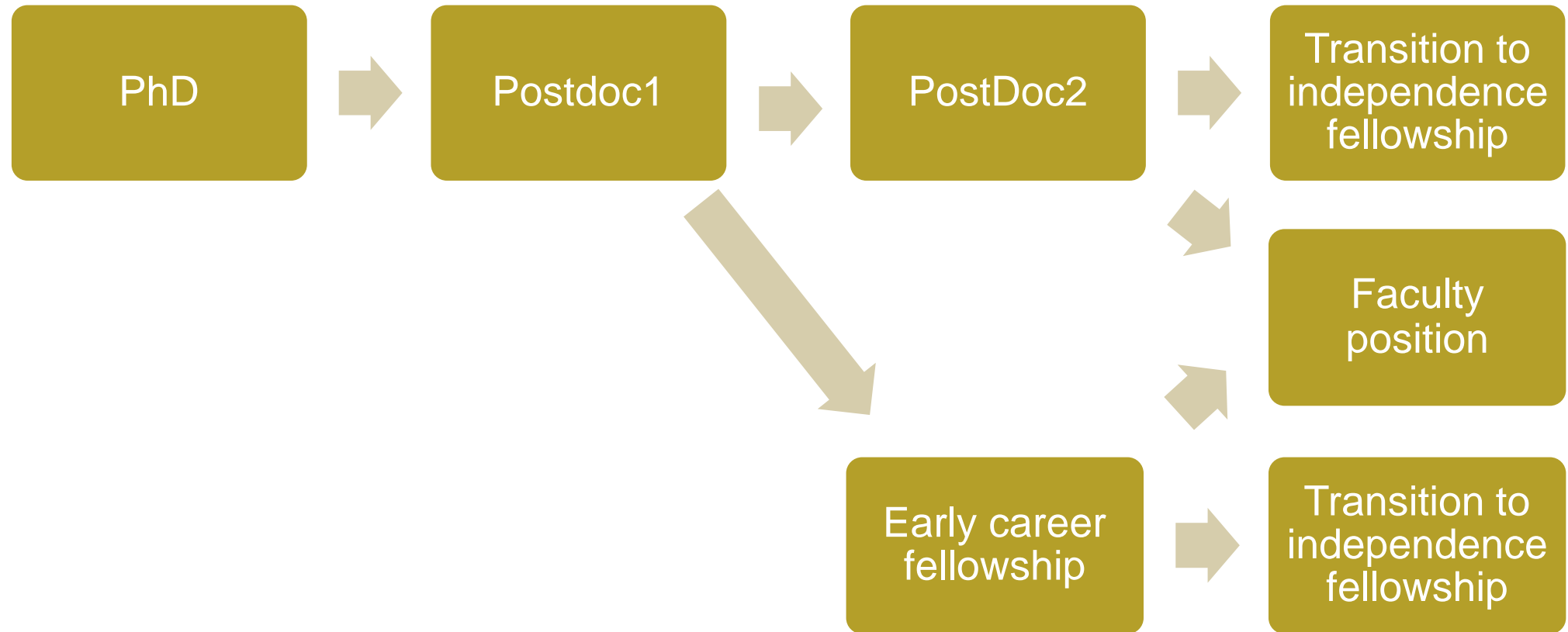
What to look for in a research group/supervisor for postdoc?

- Again the questions about size of lab and career stage of PI
- Will the PI give you independence to develop your own research area
- May want to ask questions about career trajectory applying for own funding/fellowships
- Will they support you to go to conferences

A day in the lab... or not?



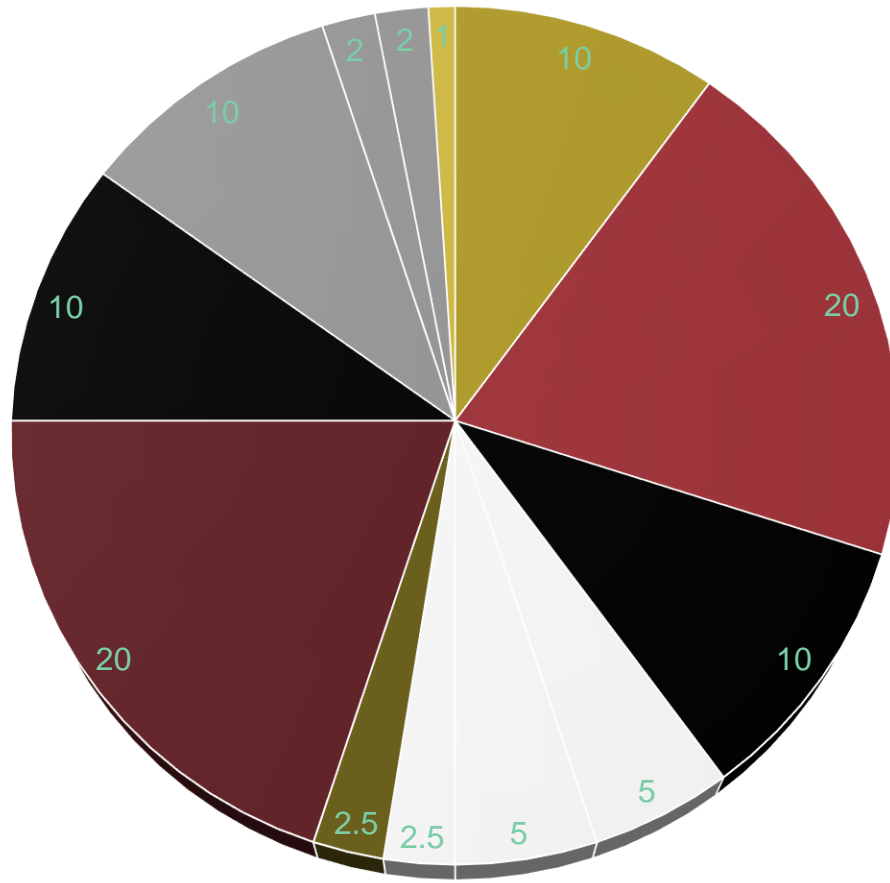
Routes to independence academic research



Fellowships and my experience

- People, place, person
- Make sure you are competitive and ready
- Talk to people who have that fellowship, get lots of feedback
- Well rounded CV – Papers and grants are obviously the most important
- Find a good mentor

Early career academic – What does my time look like now?



- Research: lab time
- Research: Writing papers
- Research: Writing Grants
- Teaching
- Citizenship external (panels, committees etc)
- Reviewing papers or grants
- Citizenship internal (panels, committees, feedback on applications, advice)
- PhD student supervision
- Thinking, reading, planning
- Supervision UG and Mres
- Travel/conferences
- Leadership meetings
- Training and professional development

Current PhD position

PhD studentship - Mitochondria and nuclear positioning in skeletal muscle

Award Summary

Tuition fees (paid at the home rate) and an annual stipend of £18,622 (2023/2024 rate), with support for research costs. International candidates will be required to fund the difference between the home and international fees.

Overview

We are offering an exciting opportunity for a motivated and talented individual to join our team. Our prior studies have revealed intriguing structural changes in patients with mitochondrial myopathy, a condition characterised by mitochondrial dysfunction. Specifically, we have observed an increased presence of nanotunnels, which are double membrane connections between non-adjacent mitochondria. Additionally, preliminary data suggests that the organization of myonuclei, the nuclei found in muscle cells, is altered in individuals with mitochondrial myopathy.

We have state-of-the-art Bioimaging and Electron Microscopy core facilities, staffed by highly skilled specialists, and renowned expertise in mitochondrial biology. We aim to leverage these exceptional resources to develop a cutting-edge methodology, Correlative Live Light and Electron Microscopy, for the study of mitochondria in cells and tissues.



Scan me!