# Managing Assets

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### What are your assets?

- 1. People
  - Lindsay Hall's talk
- 2. Lab Space
  - This talk (briefly)
- 3. Equipment
  - Lindsay Murray's talk
- 4. Funding
  - This talk



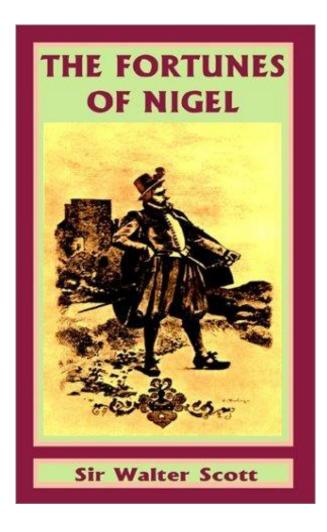




- Postdoc, MRC Lab Molec Biol, Cambridge
- Lecturer in Biochemistry, U Bristol
- Royal Soc Research Fellow, U Bristol
- Visiting Fellow in Genetics, U Melbourne
- Prof of Molecular Genetics & Microbiology, U Birmingham
  - Head of Biological Sciences
  - Head of Chemistry
- Director of Science and Technology, BBSRC
- Head of College of Science & Engineering, U Edinburgh
  - 7 academic departments
- Senior Vice-Principal, U Edinburgh
  - Planning, Resources and Research Policy



### Experience counts for something



But even with experience you get things wrong.

Hopefully it comes good in the end!

### Asset 1: The research team

- Principal investigator
- Postdoc(s)
- Student(s)
- Technicians
- Other support staff
  - -Technical services, Estates, Finance, HR, etc.



### The Pl's role

- Running a research team is like running a small company
- You are the:
  - -CEO
  - Senior Research Officer
  - Company Finance Officer
  - Company HR Manager
  - Press Officer
  - etc. etc.





### The Postdoc's role

- You head a division of the company
- You are the:
  - Deputy Chief Executive
  - Research Officer
  - Finance Manager
  - Deputy Press Officer
  - Mediator (and possibly Deputy HR officer)
  - etc. etc.



### The PG Student's role

- You are a self-motivating employee
  - Manage your own time
  - Manage your own expenses
  - Write reports
  - Work in a team





### Asset 2: Lab Space

- This is often in the gift of a Head of Department
- Historic precedence can cause problems
- Encourage shared use of lab space and facilities
  - Reduces individual costs
  - Leads to collaboration
  - People learn from each other
  - Can provide safer working (e.g. out-of-hours)
- It is an asset to use wisely with sensible rules





### Asset 3: Equipment

- Often the most expensive individual asset
- Bought on grants, charitable donations or institution funding
- Needs looking after properly
  - Make an individual responsible
  - Train the users
  - Maintain according to manufacturer's recommendations
  - Use for the purpose it is intended!



### **Asset 4: Funding**

- Several types:
  - Research Council / Charity project grants
  - Government bodies
  - International grants
  - Individual fellowship grants
  - Contract research
  - Donations
- All require some form of accountability



### Seek Advice

"I am going to visit Dr Richardson [...] he being a person of experience is going to tell me the best means of extracting funds from Government."

Charles Darwin to his sister, Caroline, 1837



#### In an institutional context:

- Experienced researchers
- Research Office
- Research Funder
- Read the grant conditions



## What makes a successful grant application?

UK Research and Innovation



















- Is it high quality research?
- Is it really high quality research?
- Are you absolutely sure it is high quality research?
- Is the case for support clearly written and not overloaded with detail?
- Has someone read it who is reasonably expert in the area?
- Have you had someone read it who doesn't know the area in detail?
- Have you properly justified the resources?
- Have you indicated where it matches the Funder's priorities?
- Are there opportunities to improve chances of success (commercial partner; New investigator scheme)?
- Have you answered any referees' comments robustly and sensibly?
- Have you received feedback on failed applications?

### You've got the grant – what next?

- Do what you said you were going to do
- Applying for money and then working on something completely different is fraud
- Nobody expects your ideas always to work out that's research
- So, if you then need to do something different to the proposal, consult the funder
- If you can't hire to a position in time don't start the grant;
  ask the funder for a no-cost extension



### Contract research

- There is often a perceived outcome
- The proposal will frequently be drawn up jointly by the PI and the funder
- There is usually a series of meetings ensuring the research is on track
- Resources may be changed during the project
- Be careful that positions (for postdocs, students, technicians) are protected



### Maintaining resources

- Stay within budget
- Ensure your people know what they are allowed to spend. Train them.
  - Beware the kit-happy student
  - Beware the go-it-alone postdoc
- In a busy lab, there will be project cross-funding. It is expected, but needs to be managed
- Be clear what funding is allowed (e.g. animals)
- Some funders (EU, industry, charities) may audit



### Can Postdocs hold grants?

- Yes, for a Fellowship grant (may require current or future institutional commitment)
- For many funders, only a permanent employee can hold a Project grant
- But Pls do not have a premium on ideas
- A postdoc can be a Recognised Researcher (some funders allow Co-investigator) on a grant held by a member of staff
  - Recognised that they contributed to the ideas
  - Must be employed on the grant

### **Budget sensibly**



"Wouldn't a single helix be cheaper?"

- What is allowed?
- Is there a normal amount? (e.g. for consumables)
- What about overheads?
- Are the staff posts correctly costed?
- Have you costed central technical services?
- Can the research be completed in the time requested?
- Is there co-funding available?

### **BBSRC** considerations

- BBSRC can fund:
  - Salaries for postdocs, technicians, etc.
  - Part of Pl's salary (hours pro rata)
  - Consumables
  - Equipment (with caveats!)
  - Central services
  - Travel and subsistence
  - Estates costs
- ≥10% funding from industry may promote your grant in committee
- 20% of FEC comes from Institution

### Other funders

- Other UK Research Councils similar to BBSRC
- Wellcome grants overheads and other on-costs are different
- Science Foundation Ireland different again
- Government Departments and industry should fund 100%





### Reporting and outputs

- UK Research Council and Wellcome grant outputs reported through Researchfish for 5 years beyond grant
- An end-of grant report form may be required
- Sfl outputs are reported through the SESAME system for up to 10 years beyond grant
- IP rests with institution not funder
- Contract research often requires frequent reporting and IP arrangements differ
- Details vary between grant schemes

### So why all this reporting?

- Research funders get their money from other sources
  - Wellcome from the investment income
    - Supposed to align with Henry Wellcome's will!
  - Research Councils from BEIS which gets its money from HM Treasury
  - Sfl from Dept Business Enterprise & Innovation
  - Industry from its own resources



### But remember...

Science is a wonderful thing if one does not have to earn one's living at it.

- Albert Einstein







