Planning your Career

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Planning your Career

Where to start?

How people get jobs

A recipe for career planning

CREATE THE DIFFERENCE

Life Science Conference 2014
A recipe for career planning

Step 1: Start with YOU
Where are you now?

Step 2: Explore all the options
Where do you want to be?

Step 3: Plan and manage the change
How are you going to get there?
Step 1 – Start with you

Take a good look at yourself

• Your education
• Your skills
• Your knowledge
• Your experiences
• Your strengths
• Your interests
• Your responsibilities
• Restrictions or limitations

Keep looking...

• Your dreams (if you knew you couldn’t fail what would you do?)
• Talk to other people (what do they think you should do?)
• What do you want your life to look like?
• Where do you want to live?
• What are your ambitions? (the things you still want to do)
Step 2 – Explore the options

Do your research to find out more

• Read up on jobs and courses
• Search the web
• Watch the news; read a quality newspaper; Google and Google News search engines
• Work shadow someone doing the thing you are interested in
• Network and talk to people – go to fairs and conferences etc.

Keep digging

• Look for vacancies that interest you and read job descriptions
• Send off for further information
• Ask questions through web forums or social networks
• Follow Professional Bodies and companies on Facebook & Twitter
• Join LinkedIn and use to connect
• Remember, you are only looking and gathering information
Step 3 – Plan and manage the change

Now you can career plan

- Look back at your self analysis and focus on the key things you want
- Now look at the options you have explored and identify the ones that might suit you best
- Match yourself to the options

If you have a good match ...

- Look carefully at the information you have about the chosen option
- Draw up a plan to get you from here to that option
- Take action, get moving
- Get help with the hard bits and use your Careers Service
- Keep going
The UK Life Science Sector

Pharmaceuticals, medical biotechnology and medical technology sectors together comprise around 4,500 firms, employing 165,000 staff.

More than 65% of all medical research and development in the UK is carried out by the pharmaceutical industry.

Around one fifth of the top 100 medicines in use today originated from research in the UK.

Scientific/technical roles are available in research, drug discovery, toxicology, patents, manufacturing and clinical development.

You can also use your scientific knowledge indirectly in non-technical roles such as: finance, HR, sales, marketing, regulatory affairs and scientific writing.

Strategy for UK Life Sciences: Building a Life Sciences Ecosystem
Employers love scientists!

Science Career Options

- Research & Development
- Medical Sales
- Biotechnology
- Education & Media
- Healthcare
- Scientific Analysis & Investigation
- Management

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**Biology Graduates from 2012**

Survey response: 80.7%  Female: 2,150  Male: 1,505  Total responses: 3,655  All graduates: 4,530

**Outcomes Six Months After Graduation**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working full-time in the UK</td>
<td>36.6%</td>
</tr>
<tr>
<td>In further study, training or research</td>
<td>25.2%</td>
</tr>
<tr>
<td>Working part-time in the UK</td>
<td>14.8%</td>
</tr>
<tr>
<td>Unemployed, including those due to start work</td>
<td>10.6%</td>
</tr>
<tr>
<td>Working and studying</td>
<td>6.0%</td>
</tr>
<tr>
<td>Other</td>
<td>5.3%</td>
</tr>
<tr>
<td>Working overseas</td>
<td>1.5%</td>
</tr>
</tbody>
</table>

**Type of Course for Those in Further Study**

- Masters (e.g., MA, MSc) 46.3%
- Doctorate (e.g., PhD, DPhil, MPhil) 23.0%
- Postgraduate qualification in education 14.2%
- Other study, training or research 11.0%
- Other postgraduate diplomas 3.2%
- Professional qualification 2.3%

Total number of graduates in further study 920

**Examples of Courses Studied**

- PhD Biomolecular science
- PhD Environmental biology
- MSc Oceanography
- MSc Animal science
- MSc Real estate
- MSc Management
- MSc Aquatics and ecology
- PGCE (Secondary)
- PGDE (Primary)
- BVM and S (Veterinary science)
- BA Midwifery

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**Create the Difference**

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Nationally, what types of work do biology graduates go into?

- Retail, catering, waiting and bar staff: 20.8%
- Other professionals. Associate professionals & technicians: 16.5%
- Clerical, secretarial & numerical clerks: 10.8%
- Other occupations: 9.3%
- Childcare, health and education: 8.6%
- Science Professionals: 7.5%
- Business, HR and financial professionals: 6.3%
- Marketing, PR and sales professionals: 5.7%
- Education professionals: 3.7%
- Managers: 3.4%
- Health professionals: 2.1%
- Legal, Social and welfare professionals: 1.8%
- Information Technology professionals: 1.7%
- Art, Design and Media professionals: 1.4%
- Engineering professionals: 0.4%

- Science Teacher
- Trainee Manager NHS
- Deer Manager - Private estate
- TV researcher for BBC
- Microbiologist – water company
- Museum officer

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What could I earn?

Science Professionals

<table>
<thead>
<tr>
<th>Profession</th>
<th>Annual Salary (£000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Scientist</td>
<td>£20,000-£32,000</td>
</tr>
<tr>
<td>Biotechnologist</td>
<td>£21,000-£55,000</td>
</tr>
<tr>
<td>Chemist</td>
<td>£22,000-£68,000</td>
</tr>
<tr>
<td>Microbiologist</td>
<td>£30,000-£62,000</td>
</tr>
<tr>
<td>Clinical Research Associate</td>
<td>£20,000-£50,000</td>
</tr>
<tr>
<td>Pharmacologist</td>
<td>£21,000-£70,000</td>
</tr>
<tr>
<td>Industrial Pharmacist</td>
<td>£25,000-£70,000</td>
</tr>
<tr>
<td>Research Assistant</td>
<td>£22,000-£27,000</td>
</tr>
<tr>
<td>Scientific Lab Technician</td>
<td>£20,000-£25,000</td>
</tr>
<tr>
<td>Clinical Biochemist</td>
<td>£25,000-£30,000</td>
</tr>
</tbody>
</table>

Senior posts salary
Typical progression routes for new graduates (science & non science)

<table>
<thead>
<tr>
<th>SCIENCE Graduate schemes/jobs</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Structured training schemes that can lead to specialised or higher level qualifications</td>
</tr>
<tr>
<td>• Many are specific to Life Sciences and target final years and graduates</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NON SCIENCE Graduate scheme/jobs</th>
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<tbody>
<tr>
<td>• Structured schemes open to science and non science applicants</td>
</tr>
<tr>
<td>• 60% of these types graduate jobs are open to all degree disciplines</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Entry Level Job</th>
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<tr>
<td>• A first step on the professional ladder.</td>
</tr>
<tr>
<td>• e.g. Laboratory Technician, Research Assistant.</td>
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</table>
Tools and Resources to help you

- [www.prospects.ac.uk](http://www.prospects.ac.uk)
  - The Prospects Career Planner
  - Options with your subject
  - Explore types of jobs and industry sectors
  - Graduate jobs – employer profiles and vacancies
  - Postgraduate study

- [https://nationalcareersservice.direct.gov.uk](https://nationalcareersservice.direct.gov.uk)
  - Skills Health Check Tools
  - Job Profiles

- [http://targetjobs.co.uk/careers-report](http://targetjobs.co.uk/careers-report)
  - Career planner

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Tools and Resources to help you

- www.societyofbiology.org/nextsteps

- www.nhscareers.nhs.uk
  - NHS Careers & jobs in Life Sciences
  - What can I do with my degree?
- www.allaboutcareers.com/bioscience-career-options
  - Bio Sciences occupations and career test
Final thoughts:

- The better you do each stage the better your plan will be, the greater your chances of success
- Don’t waste time on bad matches
- Be flexible – have more than one option on the go, work up/across or down to options you want, be prepared to take your time
- Planning your career does not eliminate an element of chance and luck – be prepared for opportunities
- Set yourself achievable goals
- Keep going – career planning is a marathon not a sprint!
Now, go out there with a plan of action to:
Gather information and talk to people at this conference
Attend the workshops for further information and advice

Thanks for listening