

Jacqui Piner
PhD, FRSB, CBiol, ERT

Toxicologist in the
Pharmaceutical Industry



Royal Society of
Biology

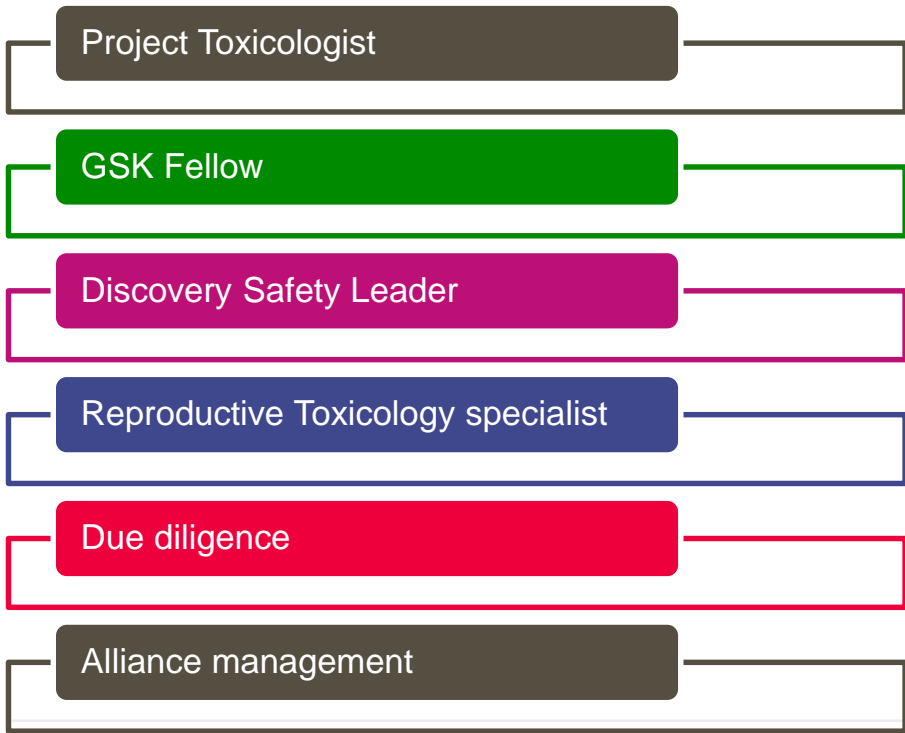
**Bioscience
Careers Day**



Careers in Research: Academia vs Industry



Jacqui Piner



Secondment to manage Cambridge Alliance of Medicines Safety (CAMS)

Fellow of Royal Society of Biology

European Registered Toxicologist

Chartered Biologist

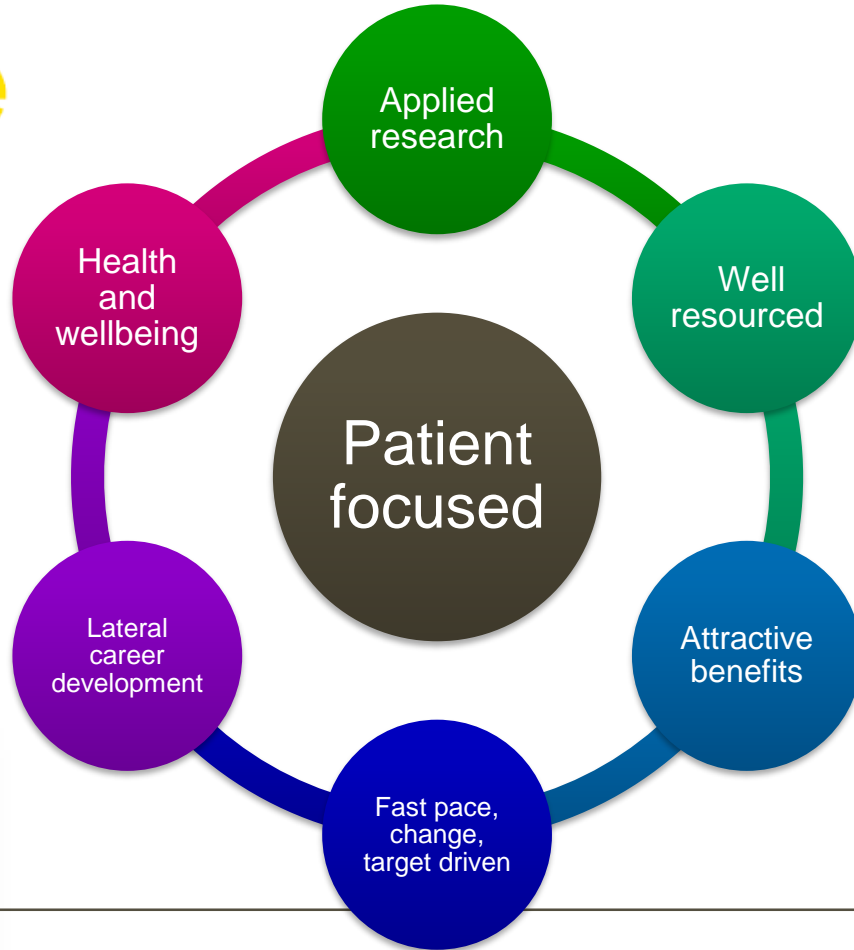
STEM Ambassador

Equality, diversity and inclusion champion

Mentor and GSK coach

Board member of RSB

culture



The University Route into Industry



Placements
and Internships



Graduate
programmes



Direct
entry

Association of the British Pharmaceutical Industry (abpi.org.uk)

- More than 65% of all medical research and development in the UK is carried out by the pharmaceutical industry.
- Currently in the UK, the industry directly employs around 73,000 people with many more in related industries.
- Opportunities for science based degrees and for highly specialised degrees
- Entry at graduate, doctoral or postdoctoral levels
- The average starting salary for a recent graduate starting work in the pharmaceutical industry is around £27,500
- Get some work experience as this shows you have shown initiative and are serious about the job

www.sciencecareerpathways.com/pathway

Click on a role to create a pathway. To further refine your search results use the filters below.

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| Apprentice Maintenance Engineer  | Apprentice Sign Maker  | Archivist  |
| Area Maintenance Engineer  | Area Maintenance Manager  | Area Maintenance Supervisor  |
| Area Manager (Operations)  | Area Manager (Operations)  | Area Superintendent  |
| Asset Planner  | Associate Director  | Associate Scientist  |
| Biochemical Engineer/Bioprocess Engineer  | Brand Director  | Brand Manager  |
| Bulk Storage Operator  | Chemical Engineer  | Clinical Data Scientist (or Clinical Data Manager)  |

Undertakes the duties of the skilled Maintenance Engineer, whilst learning the required practical skills and underpinning knowledge as an apprentice.

Top 10 employability skills



KEY

HOW YOU WORK

HOW YOU WORK WITH OTHERS

HOW YOU THINK

SHOW ALL

NUMERACY AND IT SKILLS 10

- use numbers and data to support your work and obtain meaningful information
- apply your valuable IT skills

HOW I CAN DEVELOP THESE SKILLS:

- use numerical evidence in a science practical, STEM project or business idea
- help your family with budgeting or other money decisions
- learn new IT skills such as coding

1 USING INITIATIVE AND BEING SELF-MOTIVATED

- follow instructions, making sure you do not always have to be told what to do and when
- push forward your own ideas
- see something through to the end, and not be put off by setbacks

HOW I CAN DEVELOP THESE SKILLS:

- finish work without being asked
- work without help – but know when to ask for it
- suggest new ideas

2 ORGANISATIONAL SKILLS

- plan your work to meet deadlines and targets
- organise your own time and coordinate with others
- monitor and adjust the progress of your work to stay on track

HOW I CAN DEVELOP THESE SKILLS:

- help organise an event or project
- plan your revision timetable
- clearly change plans if you run out of time, or something unexpected happens

3 WORKING UNDER PRESSURE AND TO DEADLINES

- meet deadlines and targets
- handle the pressure that comes with meeting deadlines and targets
- ensure that you are seen as a reliable person

HOW I CAN DEVELOP THESE SKILLS:

- finish work before the deadline, using that time to check and improve it
- plan and make the most of available time
- prioritise your commitments inside and outside school or college

4 ABILITY TO LEARN AND ADAPT

- learn new things
- learn from successes and failures
- adapt and do things better

HOW I CAN DEVELOP THESE SKILLS:

- think how to make your work even better
- put yourself forward when there are chances to learn new skills
- share your ideas and use feedback to improve your work

5 COMMUNICATION AND INTERPERSONAL SKILLS

- explain and present what you mean clearly, whether written or verbal
- do your best to understand others

HOW I CAN DEVELOP THESE SKILLS:

- do a presentation or speak with an audience
- take part in debates
- give instructions to others

6 TEAMWORK

- understand how you and others work best together
- get things done when working with people with different skills, backgrounds and personalities

HOW I CAN DEVELOP THESE SKILLS:

- plan ahead when working with others
- take account of how your team are feeling when you work together

7 NEGOTIATION SKILLS

- think about what you and others want and need
- give and take 'fairly' when working with others

HOW I CAN DEVELOP THESE SKILLS:

- look for ideas that benefit others as well as yourself
- carry out a school/college enterprise or STEM project that involves agreeing prices
- ask a favour of someone, supported by offering something in return

8 VALUING DIVERSITY AND DIFFERENCE

- respect others
- value the skills and experience that different people have
- show consideration for the needs of different people

HOW I CAN DEVELOP THESE SKILLS:

- design objects and materials in design and technology
- plan a STEM Club project
- analyse results in maths or science
- evaluate evidence in science or humanities

9 PROBLEM SOLVING SKILLS

- identify key issues in a problem
- use your knowledge and experience when tackling problems
- develop and test possible solutions

HOW I CAN DEVELOP THESE SKILLS:

- use your knowledge and experience when tackling problems
- develop and test possible solutions

10 NUMERACY AND IT SKILLS

- use numbers and data to support your work and obtain meaningful information
- apply your valuable IT skills

HOW I CAN DEVELOP THESE SKILLS:

- use numerical evidence in a science practical, STEM project or business idea
- help your family with budgeting or other money decisions
- learn new IT skills such as coding



Transferable skills



Graduates from RSB accredited degree programmes are equipped with well-rounded knowledge and skill sets, making them highly employable both within and beyond their chosen field

Students/Graduates:

- Greater employability prospects
- Enhanced competitiveness in a crowded global jobs market
- Professional body accreditation of their degree
- Free years membership to the RSB upon graduation



Prospective students:

- Professional body assurance on the quality of a degree

HEIs:

- Recognition of academic quality
- Enhanced recruitment opportunities
- A mechanism to drive change within an institution
- An external review of programmes
- Sharing/highlighting of best practice



Employers:

- A clear signpost to employers of the level of employability skills and subject relevant bioscience skills provided by a degree

Summary



- ✓ It's an exciting time to be involved in bioscience research (academia or industry)
- ✓ Spend time to explore career possibilities
- ✓ Identify what you enjoy
- ✓ Science and technical skills are important and are covered in your degree
- ✓ Create your own opportunities to increase your experience (shadowing, internships, placements)
- ✓ Be aware of your transferable skills and continue to learn and develop

