



Rebecca Tibbs

Careers in Clinical Science

[@RoyalSocBio](#) | [#BiologyWeek](#) | [#RSBcareersDay](#)

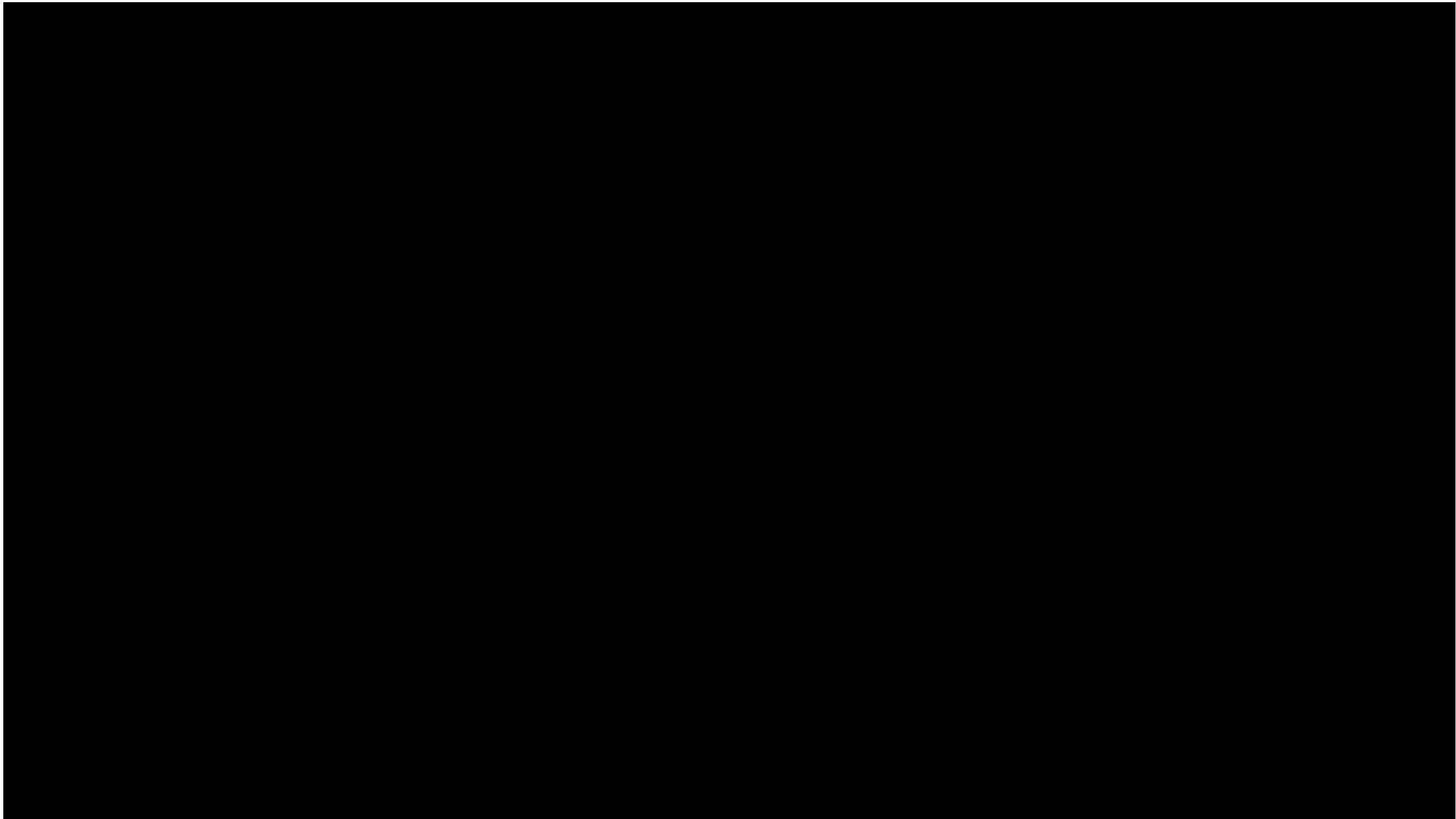


CAREERS IN HEALTHCARE SCIENCE

Rebecca Tibbs, Trainee Clinical Biochemist

What is healthcare science?

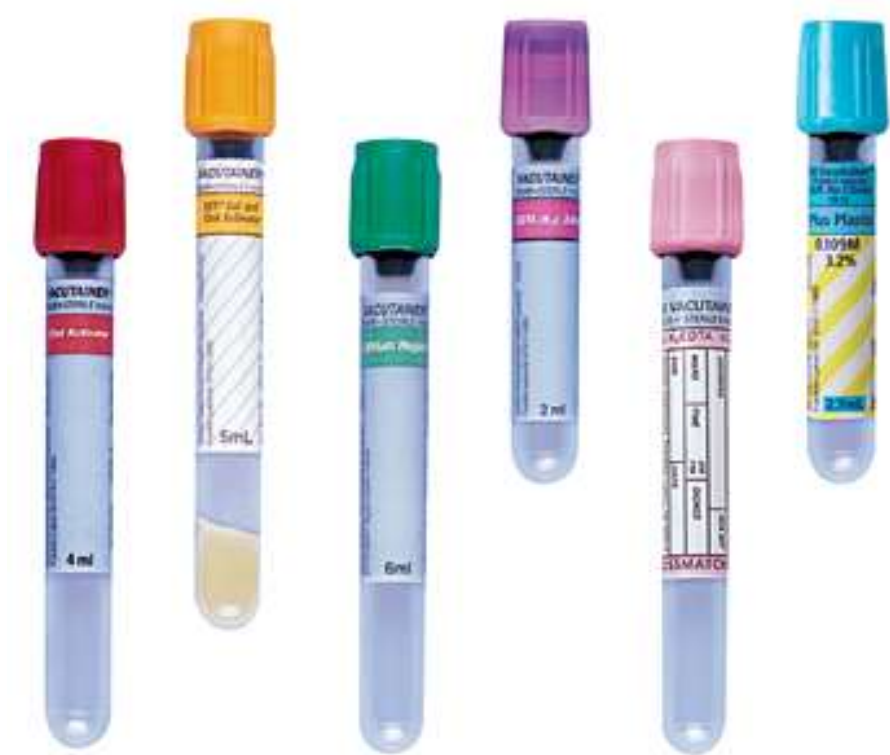






CLINICAL BIOCHEMISTRY

■ ‘Analysis of body fluids for diagnostic and therapeutic purposes’

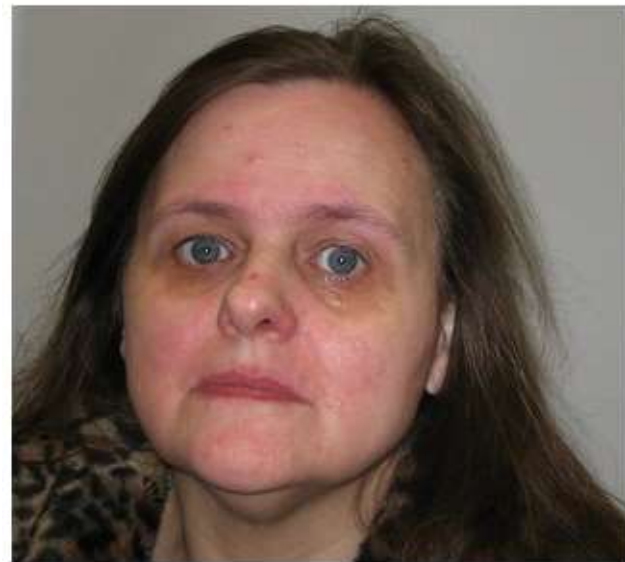




CLINICAL BIOCHEMISTRY IN THE NEWS

Woman tried to poison her husband by putting anti freeze in his cherry Lambrini

Matt Payton for Metro.co.uk Friday 11 Sep 2015 1:40 pm



Jacqueline Patrick, 54 (Picture: Metropolitan Police)

A woman spiked her husband's Christmas drink of cherry Lambrini with anti-freeze in an attempt to murder him, a court heard.

Jacqueline Patrick, 54, has pleaded guilty at Inner London Crown Court to two counts of attempted murder of husband Douglas – once in October 2013 and again in Christmas Day 2013.

Her 21-year-old daughter, Katherine has admitted to one count of inciting another to administer a noxious substance.

MORE: Murder police take DNA from actor who appeared in Crimewatch reconstruction

MORE: Man who murdered student Karen Buckley is jailed for 23 years

Mr Patrick, 70, had been admitted to Kings College Hospital by ambulance on Boxing Day having collapsed at the family home.

While travelling to the hospital, his wife showed paramedics a typed note which she told them was from her husband asking not to be revived but to be allowed to die with dignity.



MUST READ



Grenfell survivor reunites cat she thought had died
'Now I don't let her out of my sight'



Hotel told woman to go diet after she left them negative review
It's not fit for a dog to be staying



Flights 'could be suspended between UK and EU on Brexit

A Brexit 'no deal' could be a disaster for aviation sector, it has been warned



Malala Yousafzai starts at Oxford five years after being shot by the Taliban
'Five years ago, I was shot in an attempt to stop me from speaking out for girls'

'Instant' blood test for heart attacks

27 September 2017 | Health | Share



A blood test that could rule out a heart attack in under 20 minutes should be used routinely, say UK researchers.

A team from King's College London have tested it on patients and say the cMyC test could be rolled out on the NHS within five years.

They claim it would save the health service millions of pounds each year by freeing up beds and sending well patients home.

About two-thirds of patients with chest pain will not have had a heart attack.

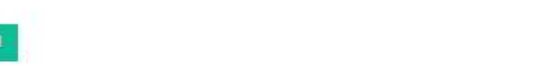
A heart trace, called an ECG, can quickly show up major heart attacks, but it is not very good at excluding more common, smaller ones that can still be life-threatening.

Currently, patients with suspect chest pain and a clear ECG can have a different heart-attack blood test, called troponin, when they arrive at A&E. But it needs to be repeated three hours later to pick up signs of heart muscle damage.



Sue Perkins' Brain Tumour: Here's All You Need To Know About Prolactinoma

Updated 02 September 2015



Rachel Moss The Huffington Post UK

'Great British Bake Off' host Sue Perkins has revealed she has been living with a non-cancerous brain tumour for eight years.

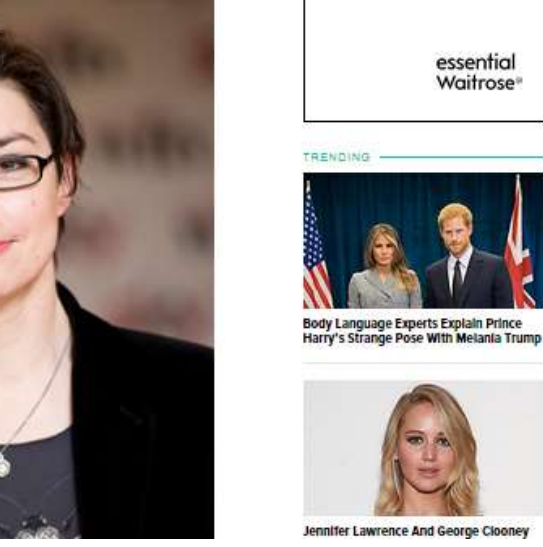
In an interview with *Good Housekeeping*, the star revealed that the tumour, which is in her pituitary gland, will stop her having children.

"We live in a time and place where we think everything is possible. I don't know if I would have gone on to have children. But as soon as someone says you can't have something, you want it more than anything," she said.

"Sometimes it [the tumour] is big and makes me mad, and sometimes it's small and is in the background. I have various tests now to make sure the side effects aren't too onerous."

Thankfully the condition, known as prolactinoma, isn't life-threatening. But what else do we know about it?

Why is so many people getting brain tumours?



Advertisement for essential Waitrose featuring a croissant.



Body Language Experts Explain Prince Harry's Strange Pose With Melania Trump



Jennifer Lawrence And George Clooney

Chemical pathologist



Medical laboratory assistant

Clinical scientist

Roles in the clinical biochemistry laboratory

Quality team

Biomedical scientist



Operations manager



BIOMEDICAL SCIENTIST

Analyse patient samples to help with investigation, diagnosis, monitoring and treatment of disease



Salary

- ▷ Starting: £22, 000 - £28, 500
- ▷ Experienced: up to £41, 250

Hours

- Usually 37.5 hours per week
- Evenings and weekends if providing out-of-hours cover

Environment

- Laboratory-based



Career pathway

IBMS-accredited degree

Any relevant bioscience degree

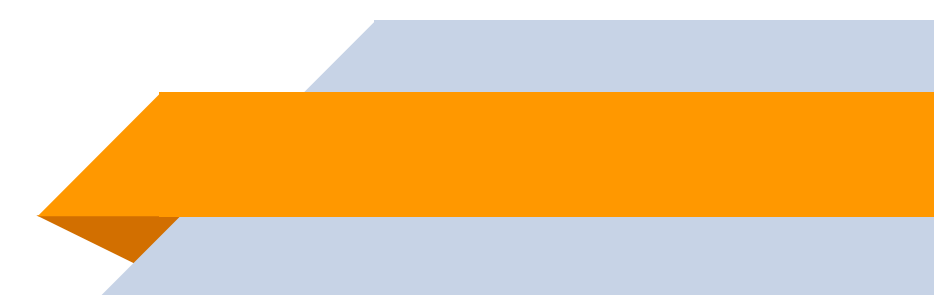
IBMS-accredited top-up modules

Training contract
Portfolio & assessment

HCPC registration

Biomedical scientist

Senior biomedical scientist
Leadership & management roles



Sarah's experience

“ *Biomedical scientists work behind the scenes of care, **analysing patient samples and delivering vital results to doctors.** I've found it interesting to rotate around different areas of the lab in my training and have learned a lot – not just **about science but also about management, people and***



CLINICAL SCIENTIST

- Develop and implement **new techniques**
- Perform **research** into diagnostic testing
- Liaise with clinical staff on appropriate use of tests and **interpretation of results**
- Perform evaluation and **quality assessment** of tests
- Develop **point-of-care** tests for use at the patient's bedside

Salary

- ▷ Starting: £26, 250 - £35, 250 (Band 6, trainee/newly registered)
- ▷ Experienced: up to £99, 500 (Band 9, consultant)

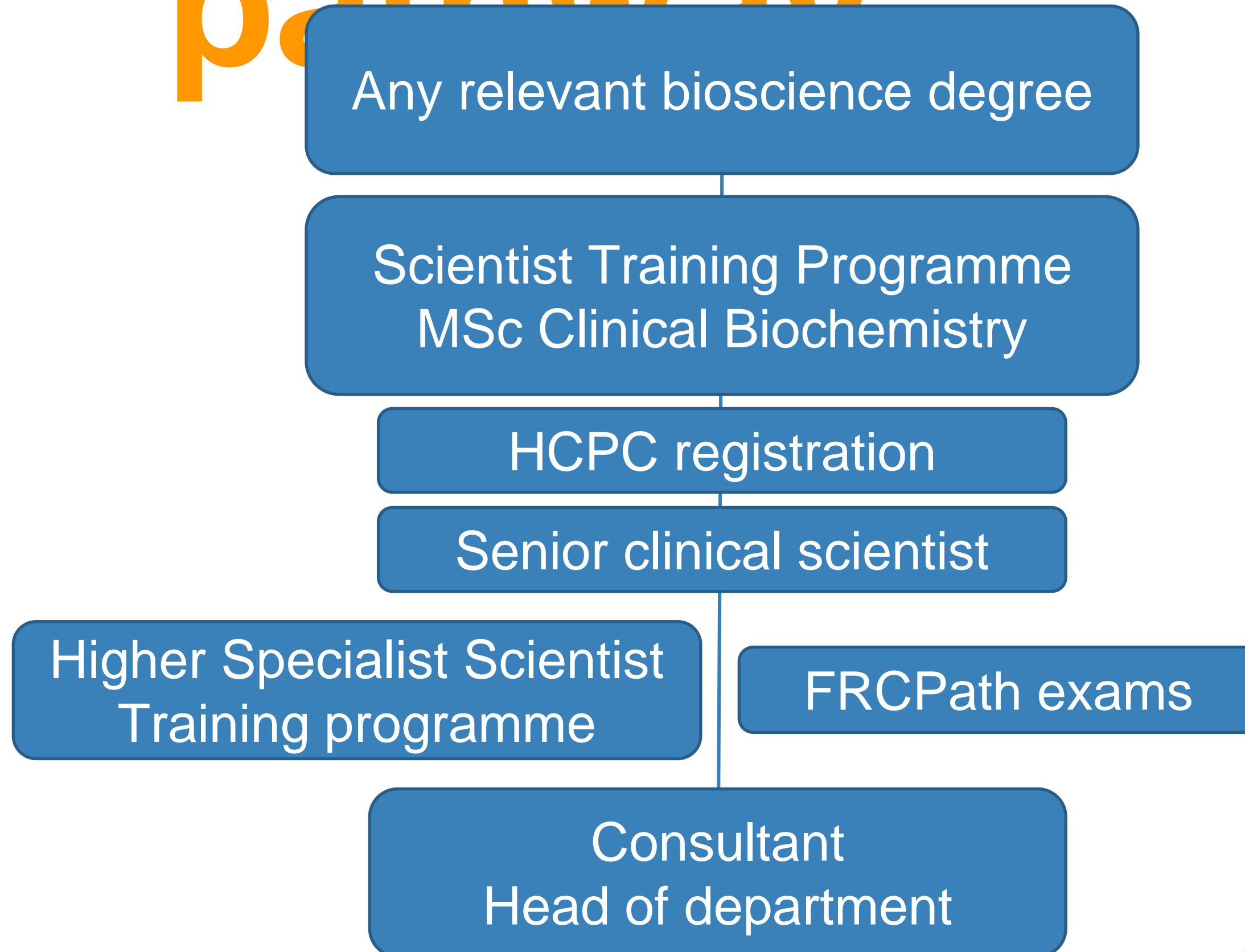
Hours

- Usually 37.5 hours per week
- Evenings and weekends on-call rota when experienced

Environment

- Laboratory, office or clinic

Career pathway





SCIENTIST TRAINING PROGRAMME (STP)

- 3 year programme of work-based training
- Part-time MSc with research project
- Employed by an NHS trust at Band 6
- One year of rotations then two years specialising
- Over 30 specialisms
- Positions across the UK





STP RECRUITMENT

- **Applications open in January**
 - ▷ Online application form & aptitude tests
 - ▷ Interview
- **Entry requirements**
 - ▷ 1st or 2:1 honours degree in relevant pure or applied science (or 2:2 with relevant masters or PhD)
 - ▷ Evidence of research experience desirable





IS HEALTHCARE SCIENCE FOR ME?

- Accuracy & attention to detail
- Enquiring mind and good problem-solving skills
- Excellent communication skills
- Good at multi-tasking
- Ability to lead a team
- Focus on the patient



Is it a 9-5 job?

Will I get to do
research?

How much will I
earn?

What can I do after I
train?

Do I need a PhD?

What's the best bit?



Any questions?

Resources:

- ▷ <https://nationalcareersservice.direct.gov.uk/job-profiles>
 - ▷ www.healthcareers.nhs.uk
 - ▷ www.nhshcs.hee.nhs.uk/careers-in-healthcare-science
 - ▷ Twitter - @NSHCS
- 