Careers in Clinical Science

Bioscience Careers day – 26\textsuperscript{th} October 2019
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Outline

• My experience
• Working as a scientist
• Working as a medic
• Questions
Big dreams and ideas from “South B”
Before I started my PhD
Trimethylaminuria

FMO3 and trimethylaminuria

GUT

Choline → bacterial action → Trimethylamine (TMA)

LIVER

TMA → FMO3 → TMA N-oxide

Trimethylaminuria

Rotting Fish
Scientists
Most of the time
Medicine
The Reality

- Hard work
- Early starts
- Shift patterns
- Keeping up to date – constantly learning
- Working with lots of different people
- NO DAY IS THE SAME!!!!
Not all detectives are the same
Skills – clinician

• Talking to people
• Willing to learn
• Working hard
• Admitting you are wrong
• Taking advice and speaking to people
• Understanding that you will never know everything
• Learning from mistakes
The rare and usual

• 42 year old woman
• Normally fit and well
• Attended the hospital x2 – tummy pain
• Discharged and then came in again
• Low haemoglobin, appearances of the blood film
• Putting it altogether
• Lead poisoning
  • Ayurvedic medication
• 26 year old man came into the Emergency Department
• Muscle aches, pain
• Temperature 39
• Runny nose
• Rash
• Admitted – Found to have
  • FLU
Clinical pharmacologist

• Impression – WHAT?
• We just don’t throw tablets at people
• Best care for the patient
• Best tablets – slowly moving to genetics to help
• Research
• On the ground work
• Constant patient contact and contact with learners – all levels
Paths – rarely a simple route
Rewards

• Fulfilling career
• Most people think we are paid too little for what we do.
• Meet all sorts
• Never boring
• Can lead to other things – PhD, Msc.
• You don’t have to be a hospital doctor and not all doctors are GPs
Closing thoughts

• Think about it
• It’s long training
• But it’s the best job ever
• You will never be unemployed
• You will meet all sorts of people!