

# Placement Opportunities within Student Selected Component (SSCs) in C21 MB BCh

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SSC Director



# Medical Undergraduate Students: Scientist & Scholar



- Apply scientific method and approaches to medical research
- Appraise results of diagnostic, prognostic and treatment trials and other clinical studies
- Formulate research questions in biomedical, psychosocial or population science
- Design studies & experiments
- Understand ethical and governance issues



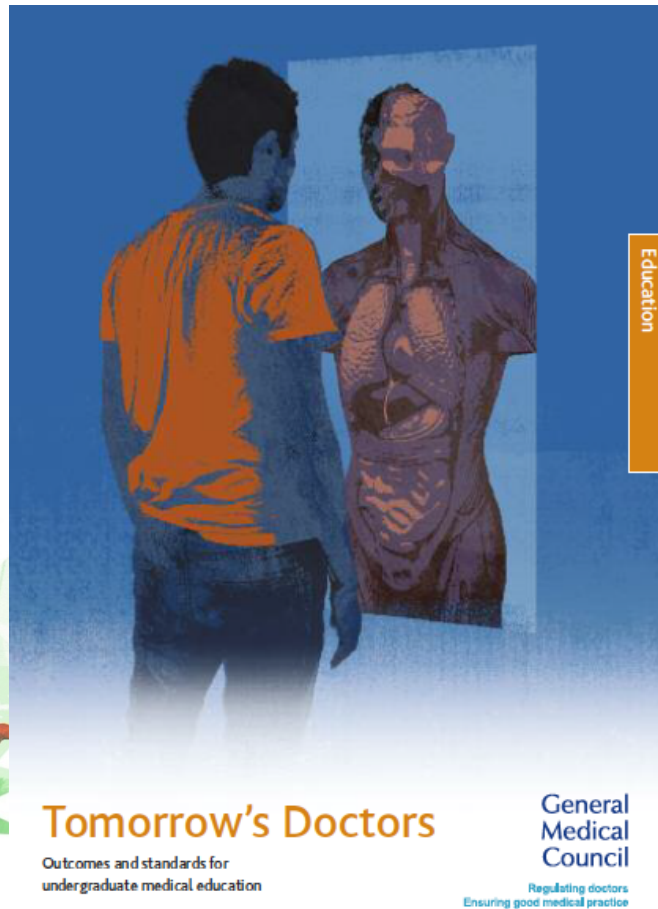
# Potential links through MediWales



- Importance of medical research and development of new technologies to students
  - Medicine is increasingly evidence-based with new innovative technological developments
  - Students need to have a grasp of the underpinning evidence & research
  - Clinicians need to be able to interpret and apply new technologies in clinical practice



# What are SSCs?



“The greatest educational opportunities will be afforded by that part of the course which goes beyond core and that engenders an approach to medicine that is constantly questioning and self critical.”

# SSC Learning Outcomes

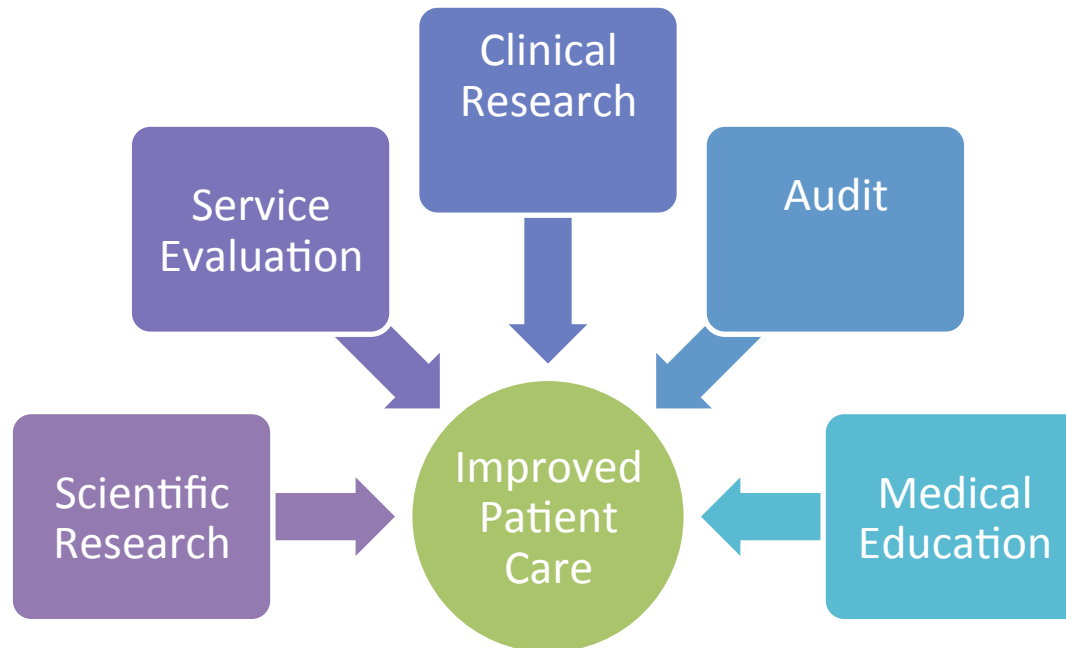


- Study a non-core topic of interest in depth
- Develop:
  - research skills/scientific methods
  - knowledge through enquiry and exploration
  - initiative, analytic and critical thought
  - skills for lifelong learning
  - professionalism & ethical values



# Vision

- To embed research and evolve knowledge around patient care within MB BCh.



# Themes



## Patient care

National Health

Global Health

Service  
Improvement

Audit

## Research

Clinical

Science

Arts

Humanities

Innovation

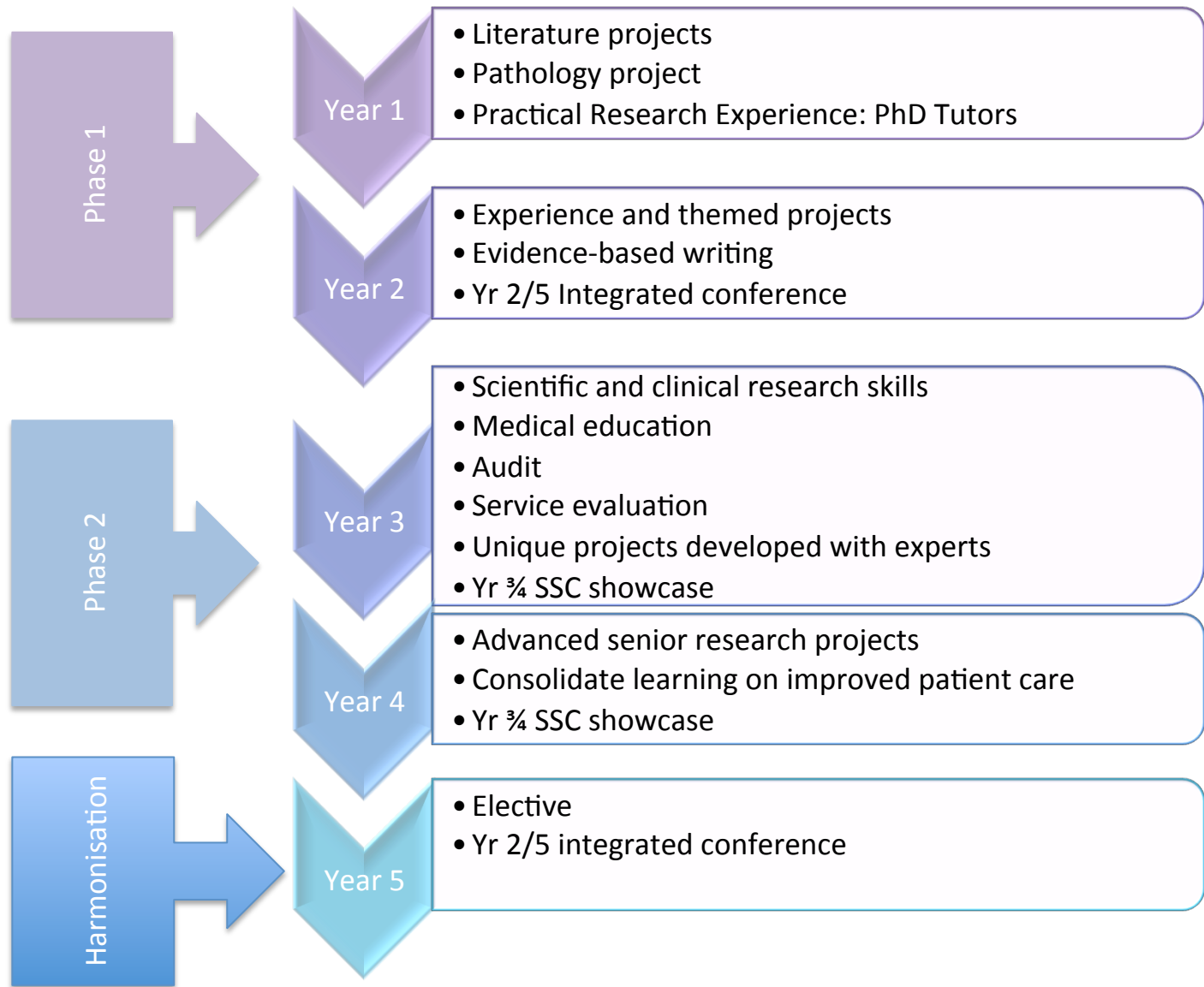
## Teaching & Learning

Medical Education

Leadership

eLearning

# SSCs Focus in C21







# Practical Research Experience



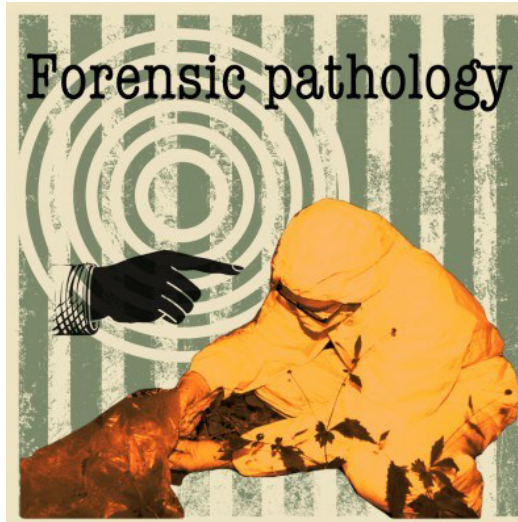
- Introduces first year medical students to the concepts of research
- Facilitates undergraduate medical student's first research experience.
- Provides postgraduate research students with an opportunity to teach within the medical curriculum



# Potential Placement Schemes (I)



# Experience Projects



## Patient Stories

David Fisher, from Salisbury, has been a regular at the unit for more than 22 years having more than 500 treatments. Here he talks in his own words about how important the service has been in his life.

With hindsight, the first recollection of the warning signs of Familial Hypercholesterolaemia (FH) was aged 23/24 back in the late 60s early 70s. At the time I was a member of the police force stationed in Swindon. I visited my GP with my 'lumpy knuckles' as I was concerned that I was going to end up like my grandmother who had similar knuckles. Like her, I was diagnosed with arthritis, although I had no other symptoms.

In 1975 I was posted to Salisbury following the sudden death of my father aged 61 years. He had suffered a heart attack.

I was transferred to CID from the traffic department and I have to confess that I burnt the candle at both ends and lived life to the full. I smoked and drank fairly heavily and was the typical detective as portrayed in the TV programme 'Life on Mars' – even down to the leather jacket!



Just 1981 Jo, my wife, our two children and myself had spent an idyllic holiday in Dorset where we had a small motor boat. On 31 August



## Vale of Glamorgan Council

### Barry Communities First

Communities First is a Vale of Glamorgan led, Welsh Government funded anti-poverty programme.

# Potential Placement Schemes (II)



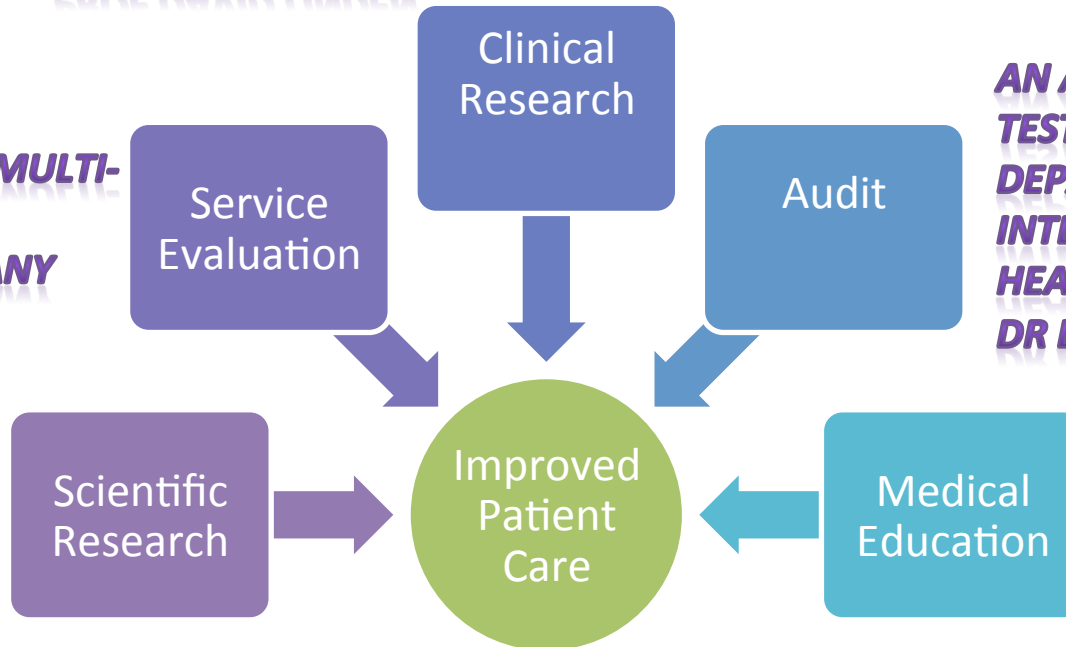
- Dedicated 6 week (year 3) and 8 week (year 4) blocks
- Two options:
  1. Choose from SSC tutor proposed portfolio
  2. Student designed bespoke project: directory of expertise



# Examples

**NEUROFEEDBACK IN NEUROPSYCHIATRIC DISORDERS**  
**PROF DAVID LINDEN**

**MONITORING AND  
MANAGEMENT OF MULTI-  
ORGAN FAILURE**  
**DR TAMAS SZAKMANY**



**AN AUDIT OF HIV  
TESTING IN THE CARDIFF  
DEPARTMENT OF  
INTEGRATED SEXUAL  
HEALTH**  
**DR LAURA CUNNINGHAM**

**CD38 IN CHRONIC LYMPHOCYTIC LEUKAEMIA  
CELL HOMING TO THE LYMPH NODE  
MICROENVIRONMENT**  
**DR ELISABETH WALSBY**

**MEDICAL SIMULATION AND  
RESUSCITATION TRAINING**  
**DR MITRA SUMAN**





SSCs have an assessed component  
and an output is required for  
students to satisfactorily complete  
that placement



# Support

- Help developing a placement proposal to advertise to students (years 2-4)
- Help developing contact information for inclusion in the directory of expertise
- Guidance on expected timelines (delivery times vary across academic year)
- Alignment with interested students
- Support with ethical applications (if required)
- Support with assessment of student outputs





# Contacts

- To consider creating a placement with undergraduate medical students contact:
  - Year 2 SSC students (1 week)
    - Dr Ned Powell
    - Email: [PowellNG@cardiff.ac.uk](mailto:PowellNG@cardiff.ac.uk)
  - Year 3 SSC students (6 weeks)
    - Dr Sam Hibbitts
    - Email: [hibbittssj@cf.ac.uk](mailto:hibbittssj@cf.ac.uk)
  - Year 4 SSC students (8 weeks)
    - Dr Eamon McGreal
    - Email: [McGrealEP@cardiff.ac.uk](mailto:McGrealEP@cardiff.ac.uk)
  - Medical Pharmacology students
    - Dr Keith Hart
    - Email: [HartKW@cf.ac.uk](mailto:HartKW@cf.ac.uk)



