



# MSC STP Overview (Scientists Training Programme)

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MetBioNet meeting 26/01/12



# STP overview

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- What is STP?
  - Academic component
  - Workbased learning
- Manchester MSc in Clinical Science (Blood Sciences)
- 'grow your own' STPs
- HSST



# What is STP?

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- Scientists training programme to produce trained Healthcare Scientists under MSC
- STPs in 3 pathways; Life Sciences, Physiological Sciences, Physics & Clinical Engineering
- Within Life Sciences there are 3 themes; Blood Sciences, Cellular Sciences, Infection Sciences
- 3 year training scheme



# What is STP?

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- Centrally commissioned via NW SHA
- Funding for salary costs + placement tariff (£44 per week for max 40 weeks)
- MSc costs paid centrally by DH MSC team
- 3 year fixed term contract

# Blood Sciences Three year Healthcare Scientist Training Programme (STP)

Academic learning  
leading to

## Masters Degree

With part time attendance  
on a HEI based Masters  
programme throughout  
the training period

Underpinning knowledge  
to support the workplace-  
based training.

Problem based learning  
may be one of the  
methods of learning, to  
enable synergies between  
the academic programme  
and the workplace training  
programme.

## Workplace Training

in an NHS or other approved organisation leading to formal Certification

For remainder of the time, a single specialism from:

- **Clinical Biochemistry**
  - **Haematology / Transfusion Science**
  - **Clinical Immunology**
    - < Clinical Immunology (without Histocompatibility & Immunogenetics)
    - < Clinical Immunology (with Histocompatibility & Immunogenetics)
  - **Genetics** (rotations taken from both Blood and Cellular Sciences)
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- **Followed by an elective ( 4 - 6 weeks) in any healthcare science specialism or a related clinical service**
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- **Initial 12 months rotational training (3 months in each of 4 specialisms)**

**Clinical  
Biochemistry**

**Haematology /  
Transfusion  
Science**

**Clinical  
Immunology**

**Genetics &  
Molecular  
Science**

### Themed Rotations

**Introductory Academic Block (Minimum of 1 month)**



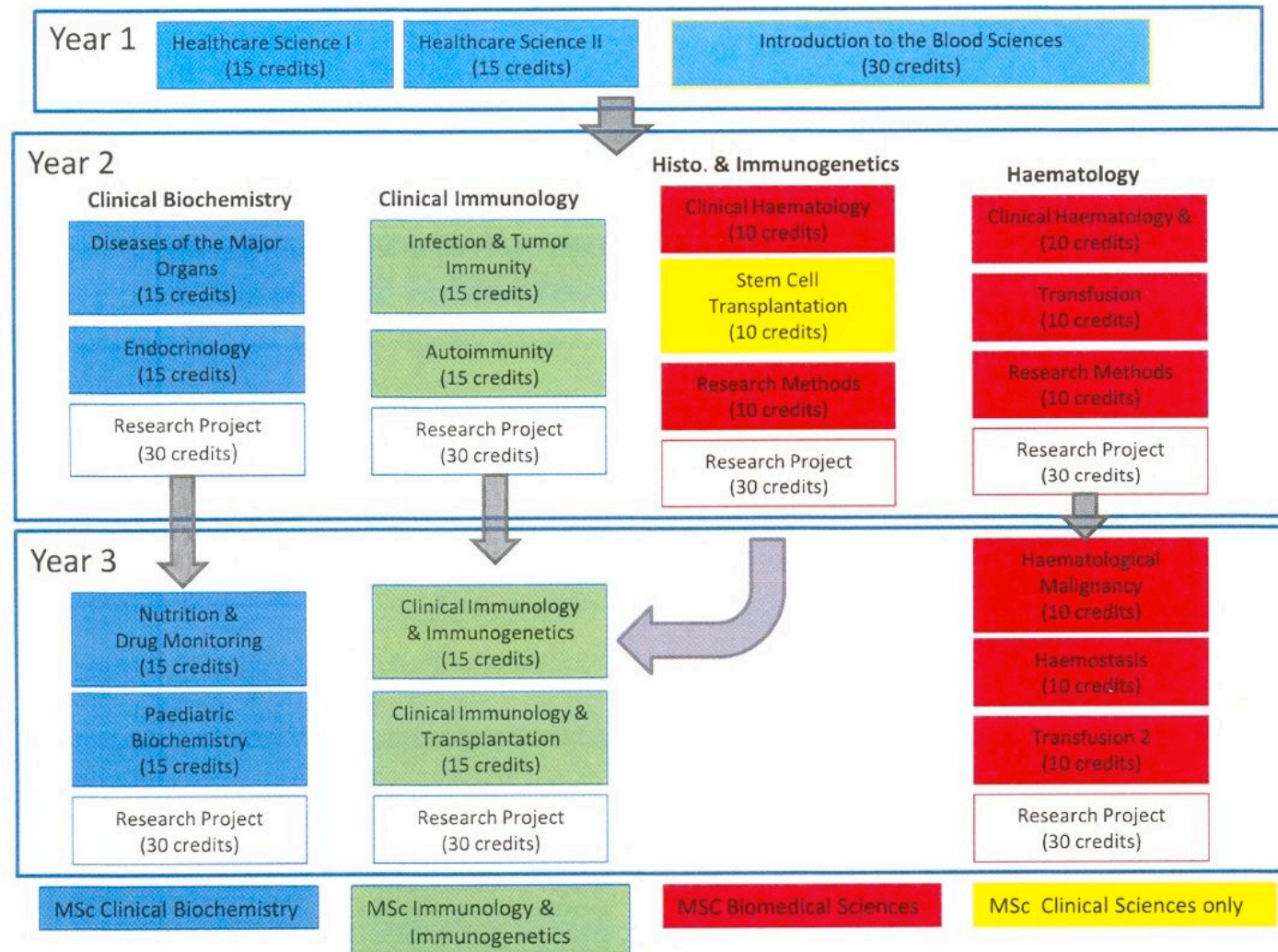
## Academic component

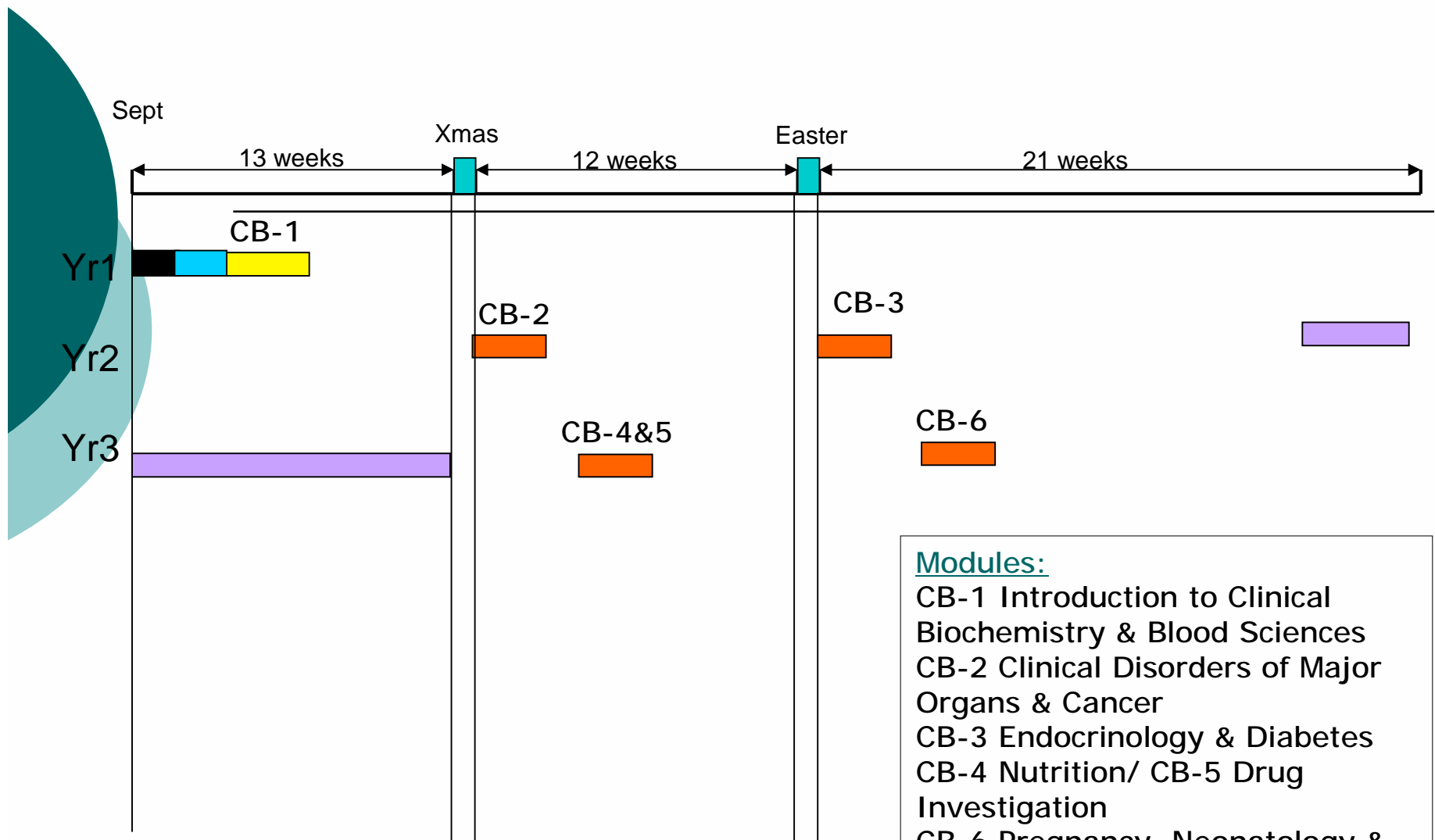
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- MSc in Clinical Sciences (Blood Sciences) part time over 3 years
- National bidding process by HEIs to run MSc courses- interviews April 2011
- GMHIEC (UoM, MMU, UoS) successfully appointed as preferred partner for Blood Sciences & Neurophysiological Sciences
- 2 preferred providers for Blood Sciences- Manchester & Nottingham



# Manchester MSc in Clinical Sciences (Blood Sciences)





**Modules:**  
 CB-1 Introduction to Clinical Biochemistry & Blood Sciences  
 CB-2 Clinical Disorders of Major Organs & Cancer  
 CB-3 Endocrinology & Diabetes  
 CB-4 Nutrition/ CB-5 Drug Investigation  
 CB-6 Pregnancy, Neonatology & Paediatric Clinical Biochemistry

- Induction
- Generic
- Divisional
- Specialist taught
- Research Project





# Workbased learning

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- Draft curriculum issued July 2011- needed rework
- Year 1 curriculum now out, Years 2&3 under review but will be based on:
  - Year 1 rotation through biochemistry, haematology, immunology & genetics
  - Competencies
  - On-line assessments
  - National OSCE at end of years 2 and 3
  - Year 3 will form exit assessment



## E Portfolio

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- Integral to the workbased programme
- Mechanism for monitoring development and progress
- Led and initiated by trainee
- Supports CPD & reflective practice
- Reporting tool: national coordinator
- Competencies & formal assessments
- Lab supervisors will be nominated by trainee to review competency, perform assessment or as rater for MSF



# On-line assessments

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- Competencies
- Assessments
  - Case based discussion (CbD)
  - Direct observation of practical skills (DOP)
  - Multi source feedback (MSF) at 18months & 3yrs
- Year 1: 1 CbD + 1 DOPs for each 3 month rotation
  - ie. one of each for biochemistry, haematology, immunology and genetics
- Years 2 & 3 number and type of CbD, DOPs and competencies still to be announced



# Pregnancy, Neonatology & Paediatric Clinical Biochemistry module (CB-6)

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- Year 3 (first intake Sept 2013-14)
- Academic curriculum Spring/Summer of Year 3
- Workbased learning outcomes
  - Competencies (all must be completed)
  - DOPs – formal number to be announced
  - CbD – number to be announced
- National OSCE at end of Year 3 – subject/setting/standard



## 'grow your own' or In service STPs

- Opportunity for Trusts to develop own STPs
  - Same 3 year training scheme
  - SHA would fund 50% salary and on-costs for Trust
  - SHA would fund MSc costs
  - At end Trust would commit to employing STP as trained healthcare scientist
  - Applicants would have to go through interview process and meet minimum standards to gain entry as STP



# HSST Higher Specialist Scientific Training

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- Curriculum being developed for HSST between RCPATH & professional associations for those previously without HST programmes
- Preferred delivery via professional PhD & HEIs
- Anticipated that posts would be 50% funded by SHA (?where from)
- Plan for pilot to run for HSST (higher specialist scientist training) in histopathology