

MSc Genomic Sciences

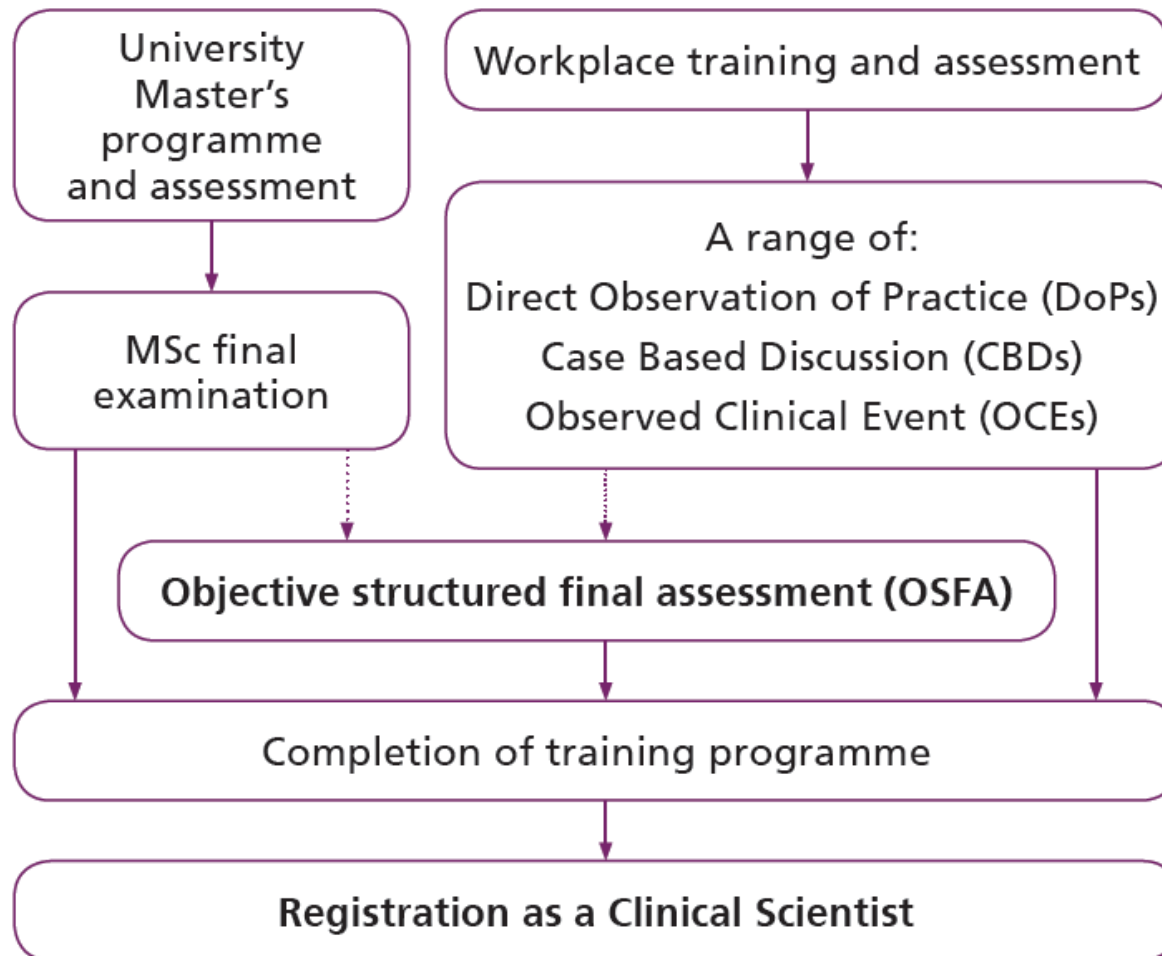
MAHSE STP Open Day
January 2018

Programme Director: Dr Emma Jenkinson

Genomic Counselling Pathway lead: Dr Rhona MacLeod

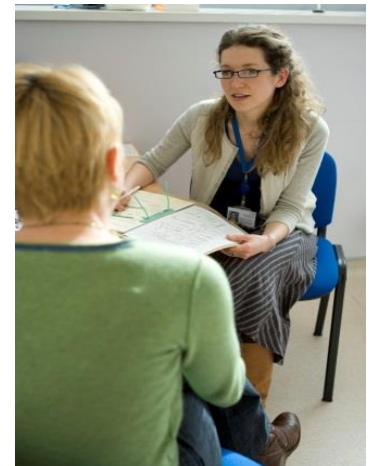
Genomics Pathway Lead: Dr Siddharth Banka

STP TRAINEE PATHWAY



MSc Genomic Sciences

- Genomic Science STP programme – 2 pathways Genomics and Genomic Counselling
- From 2018/19: New 3rd pathway – Cancer Genomics
- 3 year programme – academic teaching and work based learning
 - 120 credits taught
 - 60 credits research project



Programme Structure

Year 1	Introduction to Healthcare Science, Professional Practice and Clinical Leadership [30 credits]		Introduction to Genomics and Clinical Practice [30 credits]
	[including 10 divisional credits]		
	Generic		Divisional
Year 2 Specialist Practice [60]	Specialist Module [15 credits]	Specialist Module [15 credits]	Research Project Part 1 [30 credits]
	[5 generic RM credits]	[5 generic RM credits]	
	Generic	Specialism	
Year 3 Specialist Practice [60]	Specialist Module [15 credits]	Specialist Module [15 credits]	Research Project Part 2 [30 credits]
	Specialism		

Genomics

Year 1 Core Modules [60]	Introduction to Healthcare Science, Professional Practice and Clinical Leadership: 64560 [30 credits]		Introduction to Genomics and Clinical Practice. 65460 [30 credits]		
	Professional Prac [20 credits - compulsory]	Bioinformatics [10cr - compulsory]	Genetics [10cr – compul]	Optional [10 credits]	Optional [10 credits]
	Including 10 divisional credits				
	Generic [20 credits]		Divisional [40 credits]		
Year 2 Specialist Practice [60]	Prenatal Genomics [15]	Paediatric Genomics [15]	Research Project Part 1 [30]		
	incl. 5 generic RM credits	incl. 5 generic RM credits			
	Generic [10]		Specialism [50]		
Year 3 Specialist Practice [60]	Adult Genetic and Genomic Disorders [15]	Genomics of Sporadic Cancers [15]	Research Project Part 2 [30]		
	Specialism [60]				

Genomic Counselling

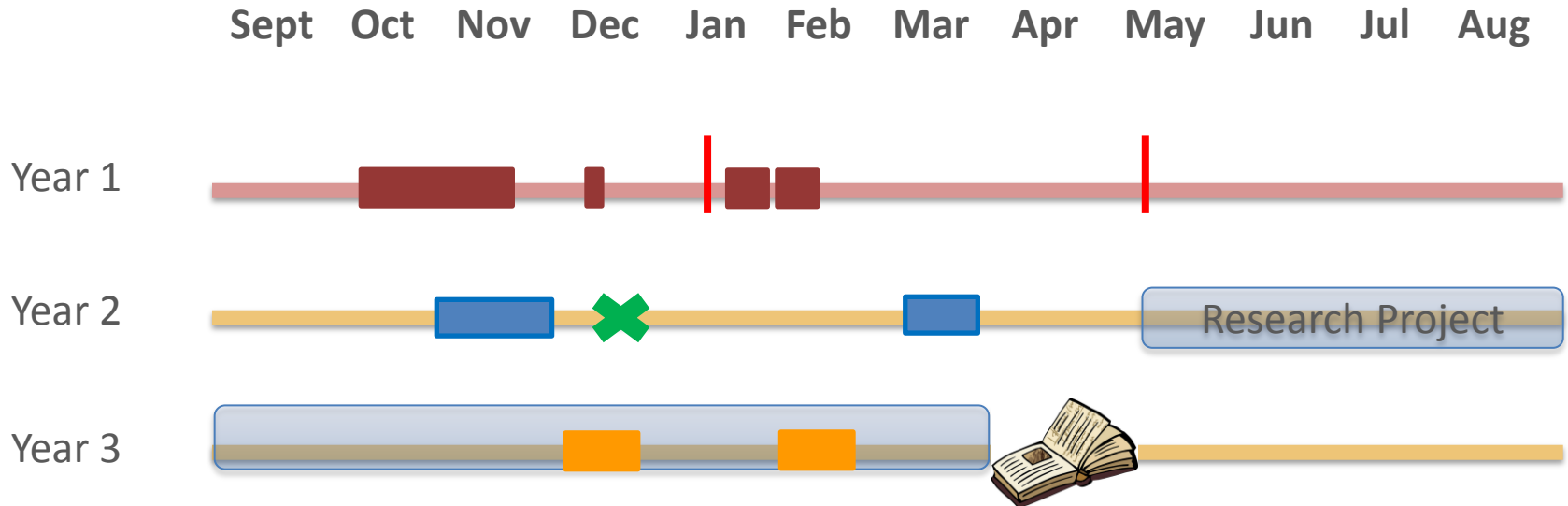
Year 1 Core Modules [60]	Introduction to Healthcare Science, Professional Practice and Clinical Leadership: 64560 [30 credits]		Introduction to Genomics and Clinical Practice: 65460 [30 credits]		
	Professional Prac [20 credits - compulsory]	Bioinformatics [10cr - compulsory]	Genetics [10cr – compul]	Genomic Counselling [10c - compul]	Optional [10 credits]
	Including 10 divisional credits				
	Generic [20 credits]		Divisional [40 credits]		
Year 2 Specialist Practice [60]	Counselling and communication skills for Genetic Counsellors [15]	Applied Genetics and Genomics [15]	Research Project Part 1 [30]		
	incl. 5 generic RM credits	incl. 5 generic RM credits			
	Generic [10]		Specialism [50]		
Year 3 Specialist Practice [60]	Advanced Genomic Counselling and Ethical Practice [15]	Genomics and Bioinformatics in Advanced Clinical Care [15]	Research Project Part 2 [30]		
	Specialism [60]				


Innovative teaching

- Involvement of patients
- Case based learning
- ‘Scaffold’ approach to learning – online self-assessment and quizzes and assignments
- Webinars to support block teaching and facilitate peer to peer group experience
- Innovative assessments e.g. OSCE exam






Timelines (Genomics)




 1st Year face to face teaching (both pathways)

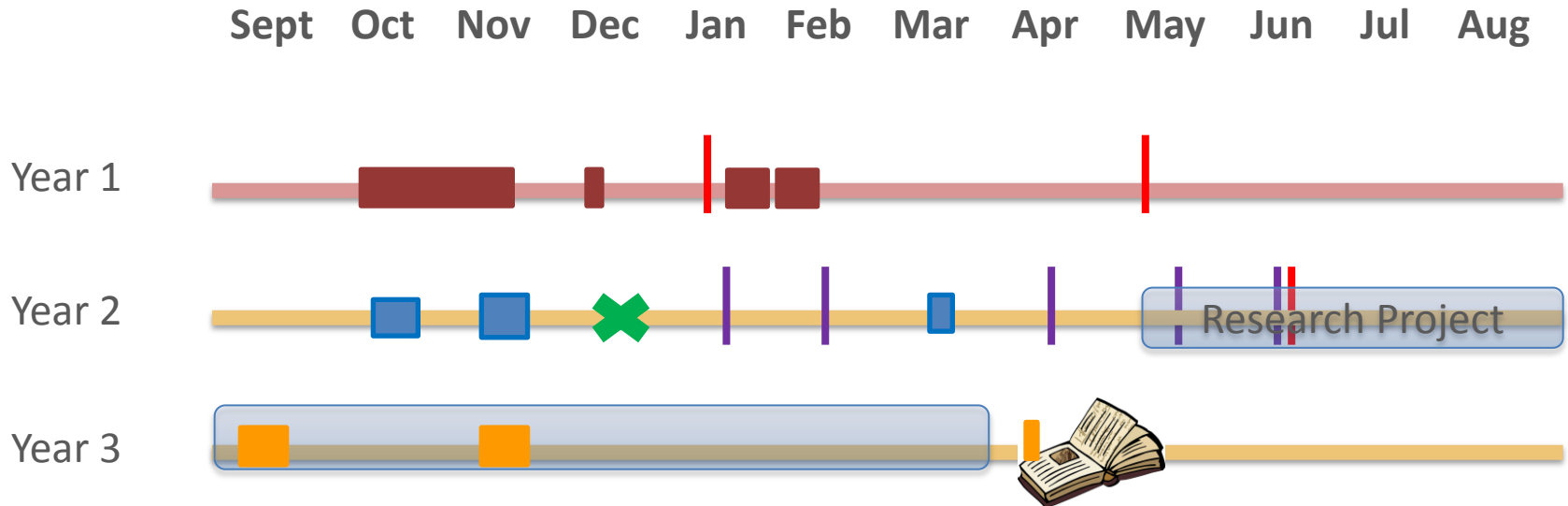
 2nd Year face to face teaching


 3rd Year face to face teaching
Genomics of Sporadic Cancer to be taught in Liverpool

 Exams in Manchester
 Research Project proposal submission

 Dissertation submission

Timelines (Genomic Counselling)




 1st Year face to face teaching (both pathways)


 2nd Year face to face teaching

 3rd Year face to face teaching

 Lunchtime webinars

 Exams in Manchester


 Research Project proposal submission

 Dissertation submission

Curriculum


<http://www.nshcs.hee.nhs.uk/curricula>

National School of
Healthcare Science

Health Education England 


**Modernising Scientific Careers
Scientist Training Programme
MSc in Clinical Science**

Curriculum
Genomic Sciences 2016/17




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Learning Guide
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Key Contacts

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<http://www.bsgm.org.uk/>

<http://www.agnc.org.uk/>

<http://www.acgs.uk.com/>

Any Questions???