

BSc in Surgery & Anaesthesia

**Cancer, Repair
and Regeneration**

2012/13

Information

LOCATION OF THE HAMMERSMITH HOSPITAL CAMPUS

Travelling to the Hammersmith

The hospital is located within half a mile of the A40M (Western Avenue). The nearest underground stations are White City and East Acton, both on the Central Line. Bus numbers 7, 70, 72, 272 and 283, stop directly outside the main hospital entrance. There is also a shuttle bus for staff that runs between Charing Cross Hospital and Hammersmith Hospital but please be aware that these only run once every 90 minutes. Travel time is dependent on traffic conditions.

For cyclists there are hospital bike racks available at the front of the Commonwealth Building. There is a large public "Pay & Display" car park situated behind the hospital, but can become congested at certain times of the day.

Catering

There is a restaurant in the Wolfson Education Centre and there is also Ex Libris on the 1st Floor of the Commonwealth Building which serves coffee and snacks. In addition there is a self-service cafeteria located in the North Corridor near the back entrance of the hospital. It is open all day and serves a variety of hot and cold meals, snacks etc. Coffee bars are located in the Cancer Centre and on the Ground floor of the Renal Unit. The shop in the main entrance sells sandwiches, sweets, crisps, newspapers, magazines, stamps etc.

Other Amenities

There is also an ATM machine, a florist, and some public telephones in the front foyer. The library is situated on the 1st Floor of the Commonwealth Building.

BSc in Surgery and Anaesthesia 2012 – 2013

Module 1: Regeneration, Repair and Cancer Control

The Times News Feature – 50% of in-course assessment

You are a freelance journalist and have been commissioned by the Science Editor of The Times newspaper to write a 1000 word editorial feature (one A4 sheet) on this (fictional) incident and similar (factual) incidents that have been described in the press/scientific literature over the last 5-10 years. Your article should explain for the readers the significance of scientific fraud and its implications for the future of research. The article should be aimed at the Times readership and be objective and non-sensationalist. The feature can include up to 2 images and be presented in “Times” font and style.

‘In October 2012, a paper was published in the high impact journal “Nucleus”, by a research group based at the Royal College of Science (RCS), London who claimed to have cured 7 advanced cancer patients using stem cell therapy. The claims of this group, headed by the prestigious molecular biologist Professor Tobias Dixton, were found to be false and the paper has subsequently been withdrawn. In fact, although the group has had extensive stem cell research experience, the therapies they described had not yet entered clinical testing.

Following media pressure, Professor Dixton resigned from his post at the RCS and from his position as the Chairman of the UK Ethics Group. He, however, remained ebullient, saying in a statement to the press “Scientists are under terrible pressure to publish, as journals set ever higher publication thresholds. Although the results were not quite as we stated, we are sure to be exonerated once our work reaches clinical trials. How can I apologise when I am only guilty of optimism?”

The dramatic downfall of this esteemed professor and his team has caused a media frenzy with public concern that this and other recent cases reflect an apparent upsurge in scientific fraud.’

Please note that College rules on plagiarism must be adhered to

Submission: Please submit via blackboard on Thursday 8th November by 4.00pm

Learning outcomes: At the end of this assessment you should be able to:

- Write a report on a scientific/medical topic for a layperson in a leading newspaper
- Differentiate between journalistic and academic writing
- Be able to re-present published work in review format

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Module 1: Regeneration, Repair and Cancer Control

Poster Project – 50% of in-course assessment

Limit: One poster to be presented on a single PowerPoint slide

One abstract

One A4 sheet of your reflective learning summary

Poster Presentation:

You will be given a topic to research and present as a poster. Students will work in groups of five/six and the poster will be presented to a panel comprising Mr Spalding and Dr Blagden on Friday 9th November at 09.00hrs. Your poster and an abstract must be prepared and sent electronically by Friday 26th October 2012. Students will present the poster on the day using a single PowerPoint slide.

You should consider that the audience are experts in their field, so please assume some level of knowledge.

- Each of the groups will be given 20 minutes for their presentation with time set aside for questions after the presentation.
- We will adhere strictly to the time allocation and you will be stopped at the end of 20 minutes regardless of whether each of you have had the opportunity to present and regardless of whether the group has completed their presentation.
- Each member of your group must present an equal amount of the research, as each will receive the same mark. Failure of the group to equally apportion the research and demonstrate this in their presentation will result in a lower group mark.

Poster Layout: (https://www.imperial.ac.uk/spectrum/brand2003/templates_bkr.htm)

Your group has a free hand as regards design but you may wish to look at the Imperial templates (link above). You can build on the experience from the poster presentations for the Foundation Course and these will be available for reference.

The following are a reminder:

- Keep the title short
- Use the Imperial logo
- Add names of contributors
- Date in right hand lower corner
- Short pithy statements are better than long rambling pieces of text
- Illustrations can sometimes highlight important information better than text
- Use a large enough font to make sure that the audience will be able to read what you have written from a reasonable distance.
- Do not forget to reference the work, but ensure that they are the most recent and from leaders in the field.

The presentation

Again, you can build on the academic communication sessions from the Foundation Course.

- Ensure that the presentation has a structure which you follow and is clear to the audience
- No use of crib notes as you should know the area you are presenting
- This is group work so your project should flow seamlessly from one member to another, building on the research as you go
- Load your presentation on to the computer before the start of the session to avoid any delay between presentations.

Learning summary

Each student will submit a reflective learning summary, which could include; time management and organisation, what you achieved and learnt from this project, any areas which need further development and your individual experience of working in the group. The summary must be submitted at the poster presentation. This will **not** be awarded a mark, but failure to submit will result in deduction of marks.

Learning Outcomes: At the end of the assessment you should be able to:

- Prepare a scientific poster suitable for submission and presentation at a scientific meeting
- Write an abstract of the work
- Discuss in depth the part of the project you have researched
- Reflect on your learning

Repair, Regeneration and Cancer Control

POSTER PROJECTS

Poster 1 – Cancer Stem Cells – an opportunity to develop new anti cancer treatment?

Eunsol	Kim
Ankur	Khajuria
Charison	Tay
Chetan	Khatri
Denise	Osei-Kuffour

Poster 2 – Cancer metabolism – how does cancer alter metabolism to its own advantage?

Evelyn	Thangaraj
Hong	Chen
Jameel	Mushtaq
Jenifa	Jeyakumar
Jonathan	Goodship

Poster 3 – Cell transplantation – will it make solid organ transplantation redundant?

Don	Koh
Malaz	Elsaddig
Michael	Kelly
Muaaz	Tahir
Kirtan	Patel

Poster 4 – MicroRNA's in human cancer – an opportunity for cancer therapy

Raghav	Varma
Richard	Holder
Rohini	Rao
Simon	Federer
Alexis	Nelson

Poster 5 – Epithelial mesenchymal transition – its role in cancer development

Sybgat	Rahim
Sarah	Gentry
Uttaran	Datta
Sebastian	Kosasih
Nada	Anzak
Kimberly	Lackenby

Poster 6 – Drug resistance mechanisms – their role in cancer and cancer therapy

Jonathan	Cooper
Joshua	Henry
Kashed	Rahman
Pia	Persson
Kyle	Stephenson

MEDICAL ETHICS DEBATES

There are four medical ethics debates during the module. These are to be held on the following dates:

Tuesday 23rd October 2012

1000-1100 Organ donation should be compulsory - for and against.

FOR	Eunsol	Kim
	Denise	Osei-Kuffour
	Jenifa	Jayakumar
	Michael	Kelly

AGAINST	Sybghat	Rahim
	Nada	Anzak
	Richard	Holder
	Kashed	Rahman

Friday 26th October 2012

1430-1530 Surgery has a diminishing role in the management of patients with cancer – for and against.

FOR	Ankur	Khajuria
	Evelyn	Thangaraj
	Jonathan	Goodship
	Muaaz	Tahir

AGAINST	Rohini	Rao
	Sarah	Gentry
	Kimberly	Lackenby
	Pia	Persson

Wednesday 31st October 2012

1100-1200 Phase I trials are unethical - for and against.

FOR	Charison	Tay
	Hong	Chen
	Don	Koh
	Kurtan	Patel

AGAINST	Simon	Federer
	Uttaran	Datta
	Jonathan	Cooper
	Kyle	Stephenson

Friday 2nd November 2012

1130-1230 Adult stem cell therapy will never succeed - for and against.

FOR	Chetan	Khatri
	Jameel	Mushtaq
	Malaz	Elsaddig
	Raghav	Varma

AGAINST	Alexis	Nelson
	Sebastian	Kosasih
	Joshua	Henry

'NEWS & VIEWS' PRESENTATIONS

There are ten 'News & Views' sessions during the module. (NB. These will not be awarded a mark). The person who gives the best presentation from each session will then give a presentation of a paper on the final day of the module after the poster session. The best from the final session will be awarded a prize.

NEWS & VIEWS

Everyone will be given a scientific paper to critically review. You should judge the quality of research and if appropriate challenge the opinions expressed and advocate improvements. In addition, reports on the area of research should be sought in the popular press. The accuracy of reporting and degree of optimism for future medical application of the research should be commented on.

These are to be held on the following dates:

Session 1, Friday 12th October, 0900-1000

NEWS & VIEWS		ARTICLE
Kyle	Stephenson	1
Pia	Persson	2
Kashed	Rahman	3

Session 2, Friday 12th October, 1400-1500

Joshua	Henry	4
Jonathan	Cooper	5
Kimberly	Lackenby	6

Session 3, Friday 19th October, 0800-0900

Nada	Anzak	7
Sebastian	Kosasih	8
Uttaran	Datta	9

Session 4, Friday 19th October, 1300-1400

Sarah	Gentry	10
Sybgghat	Rahim	11
Alexis	Nelson	12
Simon	Federer	13

Session 5, Friday 26th October, 1330-1430

Rohini	Rao	14
Richard	Holder	15
Raghav	Varma	16

Session 6, Tuesday 30th October 1230-1330

Kirtan	Patel	17
Muaaz	Tahir	18
Michael	Kelly	19

Session 7, Tuesday 30th October 1330-1430

Malaz	Elsaddig	20
Don	Koh	21
Jonathan	Goodship	22

Session 8, Friday 2nd November 1230-1330

Jameel	Mushtaq	23
Hong	Chen	24
Evelyn	Thangaraj	25

Session 9, Wednesday 7th November, 0800-0900

Denise	Osei-Kuffour	26
Chetan	Khatri	27
Charison	Tay	28

Session 10, Wednesday 7th November, 0900-1000

Ankur	Khajuria	29
Eunsol	Kim	30
Jenifa	Jeyakumar	31