MSc Medical Physics in Cancer Radiation Therapy

Description

1. Introduction

[intense_snippet snippet_id=â?•18424â?³ snippet_title=â?•SMS â?? Full Name of Schoolâ?•]

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Welcome to the Programme

On behalf of the programme committee for the MSc Medical Physics for Cancer Radiation Therapy at the University of Manchester, a warm welcome to the programme! Medical physics is an essential and constantly changing discipline which supports all aspects of the delivery of cancer care. The field, and individuals working within the field, need to constantly update their knowledge and skills to keep up with state-of-the-art evidence, emerging technologies and best practice delivery of care. This requires individuals with a in-depth understand of the core concepts of medical physics and the abilities to appraise and evaluate evidence. We aim to deliver this knowledge on our course.

During the course you will work with academics and clinical medical physicists experts to learn the medical physics skills required for future careers in academia, the clinical environment and industry. You will learn in-depth knowledge of the key concepts in medical physics across the cancer radiation pathway, you will understand emerging technologies with the skills to evaluate the technological and clinical evidence for their adoption and you will learn skills in data science and AI required for a future medical physicist.

The staff delivering this course are experts in their medical physics fields. They are world leading academics influencing clinical practice, with active research programmes in precision radiotherapy. The clinical content is delivered by medical physicists, clinicians and radiographers working in The Christie. This is a world leading cancer hospital, leading international clinical trials and early adopters of novel radiotherapy equipment. You will be taught by staff working on our NHS Proton beam service and on the MR linac.

The programme will emphasise a self-directed approach and will blend lectures with discussions, debates and hands-on skills where possible. We will arrange visits into the Christie to see the technologies described in the lectures where possible.

This handbook will provide the information need to progress with your studies. Every effort has been made to ensure these are up-to-date and accurate. Some minor details may change during your studies and we will communicate these with you in a timely manor. Contact details for key programme staff and

university services are provided where additional information is needed.

I look forward to meeting you!

Alan McWilliam
Programme Director

[intense_snippet snippet_id=â?•19218â?³ snippet_title=â?•SMS â?? The Christie and Oglesby Cancer Research Centre (Oncol Res and Med Phys)â?•]

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Programme Contacts

Programme Director	Dr Alan McWilliam	alan.mcwilliam@manchester.ac.uk
The Science of Radiotherapy	Prof Marianne Aznar	marianne.aznar@mancherster.ac.uk
Advanced Radiotherapy	Prof Marianne Aznar Dr Adam Aitkenhead	marianne.aznar@mancherster.ac.uk adam.aitkenhead@nhs.net
Imaging in Cancer Radiation Therapy	Dr Alan McWilliam Dr Cynthia Eccles	alan.mcwilliam@manchester.ac.uk cynthia.eccles1@nhs.net
Research Methods in Medical Physics	Dr Alan McWilliam Dr Eliana Vasquez Osorio	alan.mcwilliam@manchester.ac.uk eliana.vasquezosorio@manchester.ac.uk
Particle Beam Therapy	Dr Michael Taylor Dr Peter Sitch	m.j.taylor@manchester.ac.uk peter.sitch@nhs.net
Radiobiology	Dr Isabel Pires Dr Gareth Price	isabel.pires-2@manchester.ac.uk gareth.price@manchester.ac.uk
Clinical and Translational Medical Physics	Dr Robert Chuter	robert.chuter@nhs.net
AI for Medical Physics	Dr Eliana Vasquez Osorio	eliana.vasquezosorio@manchester.ac.uk

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2. About your programme

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[intense_snippet snippet_id=â?•16980â?³ snippet_title=â?•SMS â?? PGT Degree Regulationsâ?•]

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3. Assessment and academic standards

[intense_snippet snippet_id=â?•19630â?³ snippet_title=â?•SMS â?? PGT Assessment (updated)â?•]

[intense_snippet snippet_id=â?•17037â?³ snippet_title=â?•SMS â?? Guidance for Presentation of Taught Masterâ??s Dissertationsâ?•]

[intense_snippet snippet_id=â?•19508â?³ snippet_title=â?•SMS â?? PGT Examination Boards and Release of Marksâ?•]

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[intense_snippet snippet_id=â?•10243â?³ snippet_title=â?•SMS â?? PGT External Examinerâ?•]

The External Examiner for this programme is Dr Mark McJury who is a Consultant Clinical Scientist at Queen Elizabeth University Hospital.

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4. Student voice

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5. Attendance requirements, interruptions and mitigating circumstances

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6. Support for students

[intense_snippet snippet_id=â?•18386â?³ snippet_title=â?•SMS â?? Student Support micrositeâ?•]

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