

# Professor Uwe Oelfke *PhD FInstP MCCPM*

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## Employment History

<b>April 2013 –</b>	Professor of Physics, Head of the Joint Department of Physics, The Institute of Cancer Research (ICR) and the Royal Marsden NHS Foundation Trust (RMH)  Deputy Head of the Division of Radiotherapy and Imaging, ICR
<b>2004 - 2013</b>	Professor, Medical Radiation Physics, Faculty of Physics University of Heidelberg, DKFZ, Heidelberg, Germany
<b>2001 - 2004</b>	Associate Professor, Department of Medical Physics DKFZ, Heidelberg, Germany
<b>1997 - 2001</b>	Research Scientist, Department of Medical Physics, DKFZ, Heidelberg, Germany
<b>1992 - 1996</b>	Physicist, Research Associate, Batho Biomedical Facility, TRIUMF, Vancouver Canada
<b>1990 - 1992</b>	Post-Doctoral Training Fellow, Nuclear Theory Group, TRIUMF, Vancouver, Canada

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## Qualifications and Current Professional Memberships

<b>2006</b>	European Society of Therapeutic Radiology and Oncology
<b>2006</b>	Deutsche Gesellschaft fuer Medizinische Physik (certified)
<b>2004</b>	Elected Fellow of the Institute of Physics, London, UK
<b>1998</b>	Member of the Canadian College of Physicists in Medicine (certified)
<b>1995</b>	American Association of Medical Physicists
<b>1995</b>	Canadian Organisation of Medical Physicists
<b>1990</b>	PhD in Theoretical Nuclear Physics, University of Hanover
<b>1984</b>	Diploma in Theoretical Nuclear Physics

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## Academic Teaching

### *Graduate Courses (Faculty of Physics and Astronomy, University of Heidelberg)*

<b>Since 2010</b>	Coordinator of Medical Physics Teaching
<b>Yearly since 1999</b>	Basic Medical Physics
<b>Yearly since 2001</b>	Physical Methods in Medicine (Seminar)
<b>2003, 2005, 2007, 2008, 2011</b>	Physics of Hadron Therapy
<b>2004, 2006</b>	Radiobiological Models
<b>2009</b>	Advanced Radiation Therapy Concepts

### *Other Courses (Medical Faculty, Other)*

<b>Since 2010</b>	Coordinator of IGRT and IMRT Teaching Modules of Online Master Course, Advanced Medical Physics, Faculty of Medicine
<b>Yearly since 1998</b>	Lectures for the Radiology Module (HEICUMED)
<b>Yearly since 2001</b>	Lectures for the continuous education of radiation oncologists
<b>Yearly, since 2009</b>	Lectures for the Major in Cancer Biology
<b>Since 2010</b>	Lecture for the Online Master Course, Advanced Medical Physics

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### **Graduate Students (Principle Supervisor)**

PhD Students:	22 (completed)
Master Students:	37 (completed)
Bachelor Students:	5 (completed)

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### **Publications**

Peer Reviewed Articles:	152 peer reviewed publications
Book Chapters:	13
Book Contributions:	46
Invited Talks:	118

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### **Current Research Grants**

<b>CRUK Programme Grant:</b>	Advances in Physics for Precision Radiotherapy Role: Joint Lead Applicant, £2,628,183 1 Jan 2015 – 60 months
<b>CRUK Multidisciplinary Award:</b>	Automated image processing and treatment planning for real-time MRI guided radiation therapy Role: Joint Lead Applicant, £499,691.67 1 Nov 2015 – 36 months
<b>CRUK Pioneer Award:</b>	Investigation of the mechanisms of micro-beam radiation therapy Role: Principal Investigator £158,401.32 1 Jun 2016 – 24 months
<b>CRUK Accelerator Award:</b>	Advanced radiotherapy technologies Network (ART-NET) Role: Co-investigator £4,410,000.00 1 Aug 2016 - 60 months
<b>MRC Clinical Research Capabilities and Technologies Award:</b>	Development of MRI-guided radiation therapy Role: Co-investigator, £9,619,509 1 Apr 2015 – 36 months