

CURRICULUM VITÆ FOR PROFESSOR SØREN M. BENTZEN

Full Name: Søren Møller Bentzen

Title: Professor, Director of the Division of Biostatistics and Bioinformatics, Department of Epidemiology and Public Health, Director of the University of Maryland Greenebaum Comprehensive Cancer Center Biostatistics Shared Service, Director of the Biostatistics Core of the Institute of Clinical and Translational Research, and Director of Translational Research, Maryland Proton Therapy Alliance, University of Maryland School of Medicine



Academic Credentials : M.Sc., Ph.D., D.M.Sc., F.A.S.T.R.O.

Affiliations: **Professor, tenured, Department of Epidemiology and Public Health**, primary faculty appointment, University of Maryland School of Medicine, Baltimore, MD, USA

Professor of Radiation Oncology, secondary faculty appointment, University of Maryland School of Medicine, Baltimore, MD, USA

Director, Division of Biostatistics and Bioinformatics, Department of Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, MD, USA

Director, University of Maryland Greenebaum Comprehensive Cancer Center Biostatistics Shared Service, University of Baltimore School of Medicine, Baltimore, MD, USA

Director, Biostatistics Core, Institute for Clinical and Translational Research, University of Maryland Baltimore, Baltimore, MD, USA

Director of Translational Research, Maryland Proton Alliance, University of Baltimore School of Medicine, Baltimore, MD, USA

Member, University of Maryland Greenebaum Comprehensive Cancer Center, Experimental Therapeutics Program, University of Baltimore School of Medicine, Baltimore, MD, USA

Member, Graduate Faculty of the University of Maryland Graduate School, Baltimore; Affiliated with the *Epidemiology and Human Genetics Program* and the *Molecular Medicine Program*

Affiliate Member, Institute for Global Health (IGH), University of Baltimore School of Medicine, Baltimore, MD, USA

Research Associate without Compensation, Department of Veterans Affairs Medical Center, Maryland Health Care System, Baltimore, MD, USA

Adjunct Professor, Department of Oncology, University of Copenhagen, Denmark

Visiting Professor, Department of Medical Physics, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA

Birth Date and Place: March 13, 1956 in Aarhus, Denmark

Citizenship: U.S. citizen

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Academic degrees: D.M.Sc. (Doctor of Medical Science), Medicine/Clinical Radiobiology, U of Aarhus, Denmark, 1994.

Ph.D. in Medicine/Medical Physics, University of Aarhus, Denmark, 1986.
M.Sc. in Physics, University of Aarhus, Denmark, 1981.
B.Sc. in Physics & Mathematics, University of Aarhus, Denmark, 1978.

Academic and Professional Appointments:

- 11/13 – **Professor, tenured**, Department of Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, MD, USA
- 02/14 – **Professor**, Department of Radiation Oncology, secondary faculty appointment, University of Maryland School of Medicine, Baltimore, MD, USA
- 01/18 – **Director of the Biostatistics Core of the Institute of Clinical and Translational Research**, University of Maryland Baltimore, Baltimore, MD, USA
- 11/13 – **Director of the Division of Biostatistics and Bioinformatics**; Department of Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, MD, USA
- 11/13 – **Director of the University of Maryland Greenebaum Comprehensive Cancer Center Biostatistics Shared Service**, Baltimore, MD, USA
- 7/16 – **Director of Translational Proton Therapy Research**, Department of Radiation Oncology, University of Maryland School of Medicine, Baltimore, MD, USA
- 05/14 – **Member, Experimental Therapeutics Program, University of Maryland Greenebaum Comprehensive Cancer Center**, University of Baltimore School of Medicine, Baltimore, MD, USA
- 05/14 – **Regular Member of the Graduate Faculty of the University of Maryland Graduate School**, Baltimore; Affiliated with the Epidemiology and Human Genetics Program and the Molecular Medicine Program
- 10/16 – **Affiliate Member, Institute for Global Health (IGH)**, University of Baltimore School of Medicine, Baltimore, MD, USA
- 09/16 – **Research Associate without Compensation**, Department of Veterans Affairs Medical Center, Maryland Health Care System, Baltimore, MD, USA
- 09/07 – **Adjunct Professor of Radiation Biology and Medical Physics**, University of Copenhagen, Denmark
- 10/15 – **Visiting Professor**, Department of Medical Physics, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA
- 03/08 – 10/13 **Varian Visiting Professor to the Radiation Therapy Oncology Group**, RTOG, Philadelphia, PA, USA.
- 12/05 – 10/13 **Professor of Human Oncology**, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA
- 12/05 – 10/13 **Professor of Medical Physics**, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA
- 12/07 – 10/13 **Professor of Biostatistics and Medical Informatics**, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA
- 02/06 - 10/13 **Member of the Imaging and Radiation Sciences Program**, University of Wisconsin Carbone Comprehensive Cancer Center, Madison, WI, USA
- 12/04 – 3/11 **Director of Research and Education of Human Oncology, Vice Chair for Research**, Department of Human Oncology, University of Wisconsin Carbone Comprehensive Cancer Center, Madison, WI, USA
- 06/10 – 11/11 **Program Leader, Imaging and Radiation Sciences Program**, University of Wisconsin Carbone Comprehensive Cancer Center, Madison, WI, USA
- 02/06 – 06/10 **Co-Lead of the Imaging and Radiation Sciences Program**, University of Wisconsin Carbone Comprehensive Cancer Center, Madison, WI, USA
- 02/05 – 12/05 **Visiting Professor of Medical Physics**, University of Wisconsin Medical School, Madison, WI, USA
- 12/04 – 12/05 **Visiting Professor of Human Oncology**, University of Wisconsin Medical School, Madison, WI, USA
- 01/98 – 12/04 **Group Head**, Group for Human Cancer Biology & Informatics, Gray Cancer Institute, Mount Vernon Hospital, Northwood, UK
- 02/98 – 06/02 **Head of Information Technology**, Gray Cancer Institute, Northwood UK.
- 01/97 - 12/97 **Associate Professor**, Institute of Clinical Science, University of Aarhus, Aarhus, Denmark
- 09/92 - 12/97 **Clinical Lecturer** in Oncology (Basic and clinical radiobiology), University of Aarhus, Denmark.
- 01/90 - 12/96 **Senior Scientist**, Danish Cancer Society, Dept. of Experimental Clinical Oncology in Aarhus, Denmark.

08/88 - 12/89 **Hospital Physicist**, Dept. of Medical Physics, Radiumstationen, Aarhus University Hospital, Denmark.
 08/87 - 07/88 **Visiting Scientist**, Dept. of Biomathematics, U of Texas, M.D. Anderson Cancer Center, Houston, U.S.A.
 06/83 - 07/87 **Hospital Physicist**, Radiophysics Laboratory, Radiumstationen, Aarhus University Hospital, Denmark.
 01/82 - 05/83 **Postgraduate research Fellow**, Danish Cancer Society, Denmark.
 09/81 - 12/81 **Assistant Professor**, Institute of Physics, University of Aarhus, Denmark.
 06/81 - 08/81 **Hospital Physicist**, Radiophysics Laboratory, Radiumstationen, Aarhus University Hospital, Denmark.
 08/80 - 06/81 **Research scholarship** in atomic physics from the University of Aarhus, Denmark.

Honorary and Visiting appointments:

12/00 – 11/05 **Honorary Professor, Department of Oncology**, University College London, UK
 04/98 – 12/04 **Visiting Statistician**, Medical Research Council, Clinical Trials Office, London, UK
 11/99 – 12/05 **External Examiner, Therapeutic Radiography (Senior Examiner & Chair of Examination Committee, 2002–2005)**, University of Dublin, Faculty of Health Sciences, Trinity College, Dublin, Ireland
 01/98 – 12/04 **Honorary Research Consultant**, West Hertfordshire NHS Trust, UK
 06/00 – 09/04 **Member of the Examining Board** for the First Examination for the Fellowship in Clinical Oncology, Royal College of Radiologists, London, UK
 08/00 **Visiting Professor**, Department of Biomathematics, University of Texas M.D. Anderson Cancer Center, Houston, Texas
 12/98 - 12/00 **Visiting Professor**, Department of Oncology, University College London, UK
 02/98 - 11/98 **Honorary Senior Lecturer, Department of Oncology**, University College London, London UK
 01/97 – 04/06 **Visiting Professor** (about 1-2 visits of 3 days' duration per year) in the Department of Radiation Oncology, Oncology Institute of Southern Switzerland, Bellinzona, Switzerland
 06/95 - 08/95 **Visiting Professor**, Department of Biomathematics, University of Texas M.D. Anderson Cancer Center, Houston, Texas

Consultantships:

11/02 **Research Consultant**, Dept. of Radiation Therapy, University Hospital of Copenhagen, Denmark
 10/93 - 12/97 **Research Consultant**, Danish Physiotherapy Research Foundation, Denmark
 9/86 - 12/97 **Statistical Consultant**, Danish Medical Research Council, Denmark
 12/85 - 1/91 **Senior Consultant in Clinical Radiation Physics**, Dept. of Oncology, Vejle, Denmark
 12/86 **Consulting Biostatistician** with the Danish Cancer Society, Department of Experimental Clinical Oncology, Aarhus, Denmark

Honors & Awards (31):

2020 **Honorary Life Member, German Society of Radio-oncology (DEGRO)**
 2018 **Fellow of the American Society for Radiation Oncology (ASTRO)**
 2017 *Seoul National University Hospital Distinguished Lecturer*, Seoul, Republic of Korea
 2017 **Gold Medal, American Society for Radiation Oncology (ASTRO)**
 2016 *Gilbert H. Fletcher Distinguished Lecturer*, International Conference on Translational Research in Radiation Oncology – Physics for Health in Europe, Geneva, Switzerland
 2016 *Danish Association for Cancer Research Honorary Award*, Copenhagen, Denmark
 2015 **CARO Honorary Award Lecture, Canadian Association for Radiation Oncology, Kelowna, BC, Canada**
 2013 *International KFJ Research Award*, Rigshospitalet, Copenhagen, Denmark
 2011 *1st James Oleson Visiting Professorship*, Duke University, Durham, NC, USA
 2011 *Royal Australian and New Zealand College of Radiologists, Keynote Lecturer*, Melbourne, VIC, Australia
 2011 *Douglas Lea Lecture*, Institute of Physics and Engineering in Medicine, UK
 2009 **Honorary Life Member, Belgian Society for Therapeutic Radiology and Oncology**
 2009 *Varian Lectureship*, University of Copenhagen, Denmark

- 2009 *Alan C Burton Lecturer*, University of Western Ontario, London, ON, Canada
- 2009 *Vaeth Lectureship*, San Francisco Radiation Oncology Conference, San Francisco, CA, USA
- 2008 *Collins Lecturer*, Harvard Medical School, Boston, MA, USA
- 2008 *Honorary Life Member, Association of Radiation Oncologists of India***
- 2008 *Dr. Solomon Padam Singh Oration*, Association of Radiation Oncologists of India, Mumbai, India
- 2008 *Distinguished Alumnus Award, University of Texas, MD Anderson Cancer Center, Houston, TX, USA***
- 2007 *Elis Berven Award Lecture*, Swedish Society of Oncology
- 2006 *Rolf Widerøe Award*, Radiumhospitalet, University of Oslo, Norway
- 2006 *ESTRO-ICTR Translational Research Award*, International Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Lugano, Switzerland
- 2003 *Acta Oncologica Lectureship*, Norwegian Society of Oncology
- 2003 *Gold Medal (Klaas Breur Medal), European Society for Therapeutic Radiology and Oncology (ESTRO)***
- 2003 *Emmanuel van der Schueren Award Lecturer*, European School of Oncology
- 2003 *Institute of Cancer Research Distinguished Lecturer*, Sutton, UK
- 2001 *Allen S. Lichter Lectureship*, University of Michigan, Ann Arbor, MI, USA
- 2001 *Varian Lectureship*, Harvard Medical School, Boston, MA, USA
- 1999 *Royal Australian and New Zealand College of Radiologists Annual Lecturer*, Sydney, NSW, Australia
- 1998 *Clinical Oncology Honorary Award ("Onkologiprisen"), Danish Society for Oncology, Denmark***
- 1998 *L.H. Gray Memorial Trust Lecture*, Association for Radiation Research, UK

Travel Awards (3):

- 2003 *NASA-ICRR 2003 award*
- 1989 *Young Participants Award*, 15th L.H.Gray Conference
- 1989 *International Cancer Research Technology Transfer (ICRETT) Award*, International Union Against Cancer (UICC)

Keynote Lectures (10):

- "Artificial Intelligence (AI) will not take your job... but someone using and understanding AI might!"*, 25th Anniversary Symposium, School of Radiation Therapy, Trinity College Dublin, Dublin, Ireland, Dec 2018.
- "Personalized Radiation Medicine"*, Second International Conference on Advances in Radiation Oncology (ICARO 2), International Atomic Energy Agency, Vienna, Austria, Jun 2017.
- "The Quest for Clinically Useful Biomarkers in Radiation Oncology"*, First International Summit on Biomarkers and Therapeutic Advances in Radiation Oncology, McGill University, Montreal, QC, Canada, Jun 2016.
- "Positively charged radiation therapy: Where next?"*, Inaugural Meeting of the Proton Therapy Cooperative Oncology Group – North America, Houston, TX, 2014.
- "Research in Radiation Oncology"*, Deutschen Gesellschaft für Radioonkologie, Frankfurt, Germany, Oct 2013.
- "Optimizing the Efficacy-Toxicity Ratio at the Individual Patient Level"*, 17th Annual Round Top Workshop, MD Anderson Cancer Center, Round Top, TX, 2011.
- "Clinical Radiation Research: Challenges and Opportunities"*, Winter Meeting Radiation Therapy Oncology Group, Tampa, FL, 2010.
- "Translational Research in Oncology"*, 29th Ann Conf on Engineering & the Physical Sciences in Medicine, Adelaide, Australia, 2005.
- "Molecular Biology: Relevant for Radiation Oncology?"*, 5th Nordic Congress for Radiation Oncology, Bergen, Norway, 2004.
- "Translational Radiation Research"*, Joint Meeting of the Italian Federation for Radiation Research and the Italian Society for Radiation Research, Padova, Italy, 2003.

Scientific Society Memberships and Offices Held:

- American Association for Cancer Research (Associated 2001-2005, Active 2005–2010)
- American Society for Radiation Oncology, ASTRO (Active, 1994-)
 - *Member, Task force on Fractionation of Radiation Therapy for Prostate Cancer (2016–2019)*
 - *Member, ASTRO Conflict of Interest Review Committee (2016–)*
 - *Biostatistics Expert, ASTRO Annual Meeting Program Assembly Committee (2016 –)*
 - *Member, ASTRO International Education Subcommittee (2013–2017)*
 - *Member, Task force on Fractionation in Total Breast Irradiation (2009–2010)*
 - *Steering Committee Member, ASTRO/AAPM QUANTEC (QUantitative Analysis of Normal Tissue Effects in the Clinic) Task Force (2007–2010)*
 - *Chairman, Radiation Biology Focus Group of the Late Effects Workshop jointly organized/supported by the ASTRO and the NCI Radiation Oncology Program (2002)*
 - *Member, ASTRO/ESTRO ad hoc Committee for Consensus on End Point Measurement for Future Bone Metastases Clinical Trials (2000–2003)*
- Association of Radiation Oncologists of India, Honorary Life Member (2008–)
- Belgian Society for Therapeutic Radiology and Oncology, Honorary Life Member (2010–)
- Danish Society for Cancer Research (1990-)
- Danish Society for Clinical Oncology (1983-)
- Danish Society for Head and Neck Oncology (1991-2005)
- Danish Society for Medical Physics (1982-1999)
 - *Member, Working Party on Medical Physics Education in Denmark (1984-1985)*
 - *Secretary of Education and Training Committee (1985–1988)*
- European Society for Therapeutic Radiology and Oncology (1983-)
 - *Chairman of Radiobiology Committee (1997-2002)*
 - *Member of Radiobiology Committee (1990-1997)*
 - *Member of Education for Radiation Oncology Publishing Steering Group (2000-2005)*
- Fellow of the International Union Against Cancer, UICC (1992-1998)
- Radiation Research Society (1993-)

Service on Professional or Scientific Committees:

- 2020– Member, **ASTRO Fellows Selection Committee**
- 2016– Elected Member, **Head and Neck Cancer Steering Committee (HNSC)** of the National Cancer Institute (NCI)
- 2016– Member, **ASTRO Conflict of Interest Review Committee**
- 2013– Board of Directors, **International Commission on Radiation Units (ICRU)**
- 2012– Steering Committee Member, **PENTEC** (PEdiatric Normal Tissue Effects in the Clinic) group
- 2010– Member, Main Commission, **International Commission on Radiation Units (ICRU)**
- 2010– Chairman, **International Commission on Radiation Units (ICRU) Report Committee 25: Biological Dose Concepts in Radiation Oncology**, co-chair Andre Wambersie
- 2016–2018 Member, **ASTRO Task Force** to develop an evidence-based guideline on the appropriate fractionation for prostate cancer radiation therapy
- 2013–2017 Member, **Union for International Cancer Control (UICC) Global Task Force on Radiotherapy for Cancer Control (GTFRCC)**
- 2013–2016 Member, **ASTRO International Education Subcommittee**
- 2009–2016 Member, **International Atomic Energy Agency** committee, Accuracy Requirements in Radiation Therapy
- 2007–2016 Member, **Previously-untreated Locally Advanced Disease Task Force (TF)** of the Head and Neck Cancer Steering Committee (HNSC) of the National Cancer Institute (NCI)
- 2010–2011 Member, **International Commission on Radiation Units (ICRU) Report Committee 24: Harmonization of Definitions of Units and Quantities in Radiation Oncology**
- 2009–2010 Member, **ASTRO Task Force** to develop an evidence-based guideline on the appropriate fractionation for whole breast irradiation

- 2007–2010 Steering Committee Member, **ASTRO/AAPM QUANTEC** (QUAntitative Analysis of Normal Tissue Effects in the Clinic) Task Force
- 2005–2014 Member, **Danish National Light-ion Therapy (DanLITE) Steering Committee**
- 2005–2008 Member, **International Advisory Committee** of the UK Academic Clinical Oncology and Radiobiology Research Network (ACORRN), National Cancer Research Institute, United Kingdom.
- 2002–2005 Member, **EORTC Translational Research Advisory Committee**
- 2002 **Chairman, Radiation Biology Focus Group of the Late Effects Workshop** jointly organized/supported by the RTOG, EORTC, ASTRO, ESTRO, NCI-CTEP and the NCI Radiation Oncology Program.
- 2001–2005 Core member, **Translational Research Group of the EORTC Radiotherapy Group.**
- 2001–2003 Member, **ESTRO REACT** (Recording, Education and Amelioration of the Consequences of Treatment) research network funded by the European Commission.
- 2001–2004 Member, **Royal College of Radiologists' working Party on Fractionation in Radiotherapy.**
- 2000–2004 Founding member, UK **National Cancer Research Institute Radiotherapy Clinical Studies Group.**
- 2000-2003 Member, **ASTRO/ESTRO ad hoc Committee** for Consensus on End Point Measurement for Future Bone Metastases Clinical Trials
- 1997-2000 Member, **Colorectal Cancer Committee (DCCG)** under the Danish Society for Surgery
- 1996-2000 Member, **Expert User Group** of the INFOCUS research and development project in conformal radiotherapy (European Union, Framework IV, Biomed-II project).
- 1993–1996 Member, **Board of the Danish Cancer Society**, elected representative, research scientists

Service on Trial Data Monitoring, Ethics or Steering Committees:

- 2016– Member, **Data and Safety Monitoring Board** for the Veterans Administration Cooperative Study #2003: “Exoskeletal-Assisted Walking in Persons with SCI: Impact on Quality of Life” (Phase III trial)
- 2016– Member, **Data and Safety Monitoring Board** for the “Phase I Evaluation of Intra-Arterial Adenoviral p53 (Ad-p53) in Combination with Capecitabine in Patients with Unresectable Liver Metastases of Colorectal Carcinoma (CRC) That Have Completed All Standard Therapies and Have Refused or Progressed on Regorafenib Treatment”.
- 2013– Chair, **Independent Data Monitoring Committee** of the PACE phase III trial: International Randomised Study of Laparoscopic Prostatectomy vs Robotic Radiosurgery and Conventionally Fractionated Radiotherapy vs Radiosurgery for Early Stage Organ-Confined Prostate Cancer (ISRCTN: 01584258)
- 2008– Chair, **Trial Steering Committee** of the UK COSTAR phase III trial: A Multicentre Randomised Study of Cochlear Sparing Intensity Modulated Radiotherapy Versus Conventional Radiotherapy in Patients with Parotid Tumours. PI: Dr. Chris Nutting
- 2008– Chair, **Trial Steering Committee** of the UK ART-DECO trial: A parallel group, phase III randomised multicentre accelerated radiotherapy study of dose escalated intensity modulated radiotherapy (IMRT) versus standard dose intensity modulated radiotherapy in patients receiving treatment for locally advanced laryngeal and hypopharyngeal cancers. PI: Dr. Chris Nutting
- 2007– Member, **Trial Steering Committee** of the UK CHHIP (Conventional or Hypofractionated High dose Intensity Modulated Radiotherapy for Prostate cancer) phase III trial of hypo-fractionated IMRT for prostate cancer. PI: Prof. David Dearnaley
- 2007– Member, **Trial Steering Committee** of the UK FAST (Intensity Modulated and Partial Organ Radiotherapy) phase III trial of partial breast irradiation / IMRT for early breast cancer. PI: Prof. John Yarnold
- 2007–2010 Member, **Independent Review Committee** of the MINDACT (“Microarray for Node negative Disease may Avoid ChemoTherapy”) trial of the TRANSBIG (Translational research group of the Breast International Group)
- 2006– Member, **Trial Steering Committee** of the UK IMPORT (Intensity Modulated and Partial Organ Radiotherapy) phase III trial of partial breast irradiation / IMRT for early breast cancer. PI: Prof. John Yarnold
- 2004–2011 **Chair, Trial Steering Committee**, UK phase III trial “A Multicentre Randomised Study of Parotid Sparing Intensity Modulated Radiotherapy Versus Conventional Radio-therapy in Patients with Head and Neck Cancer (PARSPORT)”. PI: Dr. Christopher C. Nutting.
- 2004–2011 Member, **Trial Steering Committee**, UK BC2001 phase III trial “A randomised phase III study of radiotherapy with and without synchronous chemotherapy in muscle invasive bladder cancer”. PI: Drs. RA Huddart,

Nicholas James.

- 2004–2005 Member, **Independent Data and Safety Monitoring Board** of the Dutch multi-centre trial “Phase III study on combined radiotherapy and hyperthermia versus combined radiotherapy and cisplatin for the treatment of cervical cancer FIGO stage Ib-IIa (≥ 4 cm) and IIb-IVa”.
- 2005–2007 Member, **Independent Data and Safety Monitoring Committee** of the TRACE (study ID: EFC5512) phase III trial of concomitant radiation and cisplatin with and without Tirapazamine in patients with advanced head and neck cancer. PI’s: Prof. J. Bourhis and Dr. D. Brizel.
- 2004 External Member, **Independent Data Monitoring Committee** of trial EORTC 62961/ESHO RHT-95: “A randomized study comparing neoadjuvant chemotherapy etoposide + ifosfamide + adriamycin with or without regional hyperthermia in the treatment of high-risk soft-tissue sarcomas in adults”
- 2000–2005 Member, **Independent Data Monitoring Committee** of the Breast Radiation Dosimetry Trial, Protocol No. 1244 (A Randomized Trial of Custom-made Compensators versus Standard Wedge Compensators for Breast Radiotherapy), The Royal Marsden NHS Trust, UK. PI: Prof. John Yarnold
- 2000 Member, **Independent Data Monitoring Committee** of the EORTC 22931 trial “Phase III randomized study on postoperative radio- and chemotherapy in patients with locally advanced head and neck carcinomas”. PI: Dr. Jacques Bernier
- 1999–2006 Independent Member, **Trial Steering Committee** of the UKCCCR/NCRI phase III trial “Standardisation of Breast Radiotherapy” (START). PI: Prof. John Yarnold
- 1998–2004 Member, **External Study Review Committee** of the Nordic Melanoma Cooperative Group randomized trial of Postoperative Adjuvant Interferon-Alpha2b in Resected High-Risk Primary and Regionally Metastatic Melanoma. PI: Dr. Johan Hansson
- 1998–2003 Member, **Independent Data Monitoring Committee** of the Trans Tasman Radiation Oncology Group randomized trial of radiotherapy in Neuropathic Bone Pain (TROG 96.05). PI: Dr. Daniel Roos

Academic Scientific Advisory Boards:

- 2014– Member, **Scientific Advisory Board**, Institute for Medical Physics (IFMP), France
- 2011– Member, **Scientific Advisory Board**, Ontario Consortium for Adaptive Interventions in Radiation Oncology”, Ontario, Canada
- 2014–2018 Member, **External Advisory Board** for U19 grant, 2U19CA021239-35, “Improving the Clinical Effectiveness and Understanding of the Biophysical Basis of Proton Therapy”, Massachusetts General Hospital & MD Anderson Cancer Center
- 2010–2014 Member, **Scientific Advisory Board**, Department of Radiation Oncology, Univ. of Copenhagen, Denmark
- 2008 Member, **External Advisory Panel**, Image Guided Radiation Therapy Program, University of Texas MD Anderson Cancer Center, Houston, TX
- 2005–2008 Member, **External Advisory Board** for the Center for Biophysical Assessment and Risk Management Following Irradiation (CBARMI), PI: Paul Okunieff, M.D. (1 of 8 NIH/NIAID U19 grant funded centers comprising Rochester, Dartmouth, Toronto, Litron Labs, McMaster, Brookhaven, Health Canada, Resonance Research, Trinity College Dublin, USUHS-Bethesda), Rochester, NY.
- 2005 Member, **External Advisory Board**, PO1 Grant application “Image Guided Single Fraction Radiation Therapy”, PI’s: Howard Amols, Ph.D. and Michael Zelefsky, M.D., Depts. of Medical Physics and Radiation Oncology, Memorial Sloan-Kettering Cancer Center, New York, NY.
- 2001–2006 Member, **External Advisory Board**, PO1 Grant CA59017 “Biological Image Guided and Intensity Modulated Radiation Therapy”, PI: C. Clifton Ling, Ph.D., Dept. of Medical Physics, Memorial Sloan-Kettering Cancer Center, New York, NY.

Company Scientific Advisory Boards:

- 2014 **External Advisory Board** for clinical development of novel agent, Merck Serono | Global Research & Development, Darmstadt, Germany
- 2010 **AstraZeneca Radiation Oncology Combination Advisory Board** Meeting, Philadelphia, PA
- 2006–2007 **Scientific Advisor** (“Physician Advisor”) to Bristol-Myers Squibb, Princeton, NJ and ImClone Systems Inc, Somerville, NJ
- 2002–2012 Member, **Scientific Advisory Board** of *Algeta Ltd (formerly Anticancer Therapeutic Interventions Ltd.)*, Oslo,

Norway

2003–2009 Member, *Gerson Lehrman Group's Council of Healthcare Advisors*, New York City, NY, USA

Medico-legal Advisor:

2011–2012 **Expert Advisor** to Sullivan, Ward, Asher & Patton, P.C. representing the Board of Regents, University of Michigan, MI, USA

2001–2002 **Expert Advisor**, Plymouth Hospitals NHS Trust on the clinical effects of inadvertent under-dosage in 130 patients receiving postoperative radiotherapy for breast cancer, England, UK

Service on Trial Management Groups and Formalized Collaborative Research Groups:

2016– Trial statistician, VX-970 and Whole Brain Radiation Therapy in Treating Patients with Brain Metastases from Non-Small Cell Lung Cancer, National Cancer Institute, Division of Cancer Treatment and Diagnosis, Cancer Therapy Evaluation Program, [ClinicalTrials.gov](https://clinicaltrials.gov) identifier: NCT02589522

2012– **Global PI, HYPNO:** A randomized multicenter trial of accelerated hypo – vs. normo–fractionated radiotherapy for head and neck squamous cell carcinoma (IAEA-CRP E.3.30.35 title: “Resource Sparing Curative Radiotherapy for Locally Advanced Squamous Cell Cancer of the Head and Neck”). Target accrual 830 patients, current accrual (May 2016): 215 patients. [ClinicalTrials.gov](https://clinicaltrials.gov) identifier: NCT02765503.

2010– **Study Chair, Translational Research**, Radiation Therapy Oncology Group (RTOG) Trial 1005: A Phase III Trial of Accelerated Whole Breast Irradiation with Hypofractionation plus Concurrent Boost Versus Standard Whole Breast Irradiation Plus Sequential Boost for Early-Stage Breast Cancer (status: accrual target reached)

2010– **Study Chair, Medical Physics and Clinical Radiobiology**, Radiation Therapy Oncology Group (RTOG) Trial 1016: Phase III Trial of Radiotherapy plus Cetuximab versus Chemoradiotherapy in HPV-Associated Oropharynx Cancer (status: active)

2009– Member, **Steering Committee, International Radiogenomics Consortium**

2005– Member, **Trial Management Group** for the RAPPER (Radiogenomics: Assessment of Polymorphisms for Predicting the effects of Radiotherapy) study. PI: Dr Neil Burnett

2015– 2016 Member, **VX-970 development Project Team**, National Cancer Institute, Division of Cancer Treatment and Diagnosis, Cancer Therapy Evaluation Program

2003–2005 Member, **Biological Subcommittee to the UK Standardisation of Radiotherapy (START) Trial Management Group**

2003–2005 Member, **Steering Committee** for the EC funded **GENEPI project**

2000–2005 Member, **International Inter-Group for Head and Neck Radiotherapy.**

1998–2002 Member, **Writing Committee** for the EORTC 22994 trial: Phase I/II study of high-dose three-dimensional conformal radiotherapy in patients with inoperable or locally advanced non small cell lung cancer.

1997–2004 Member, **EORTC 3D Conformal Radiation Therapy Task Force** of the EORTC Radiotherapy Group

2002–2004 Contractor (co-leader of workpackage) of the **ESTRO QUARTS (Radiotherapy for Cancer: Quantification of Infrastructure and Staffing Needs)** network of excellence funded by the European Commission.

1992–2003 Member, **co-ordinating group** for joint analysis of the Scandinavian national trials of adjuvant chemotherapy in colorectal cancer.

1996-1997 Member, **Trial Management Committee**, Danish Total Mesorectal Excision Project Group.

1996-1997 Member, **Data Registration Group**, Aarhus Center for Autologous Stem Cell Transplantation.

1994-1997 **Statistical consultant** for the West Danish Lung Cancer Group.

1994-1997 **Statistical consultant** for the Danish Colorectal Cancer Group (DCCG).

1991-1997 Member, **Management Group** of the Danish Colorectal Cancer trial of 5-FU+Levamisole vs surgery alone in Dukes' stages B and C

1995-1996 Member, **Adjuvant Therapy Project Group** of the Danish Colorectal Cancer Group.

1985-1995 **Biostatistician**, European Society for Hyperthermic Oncology randomized trials (ESHO 1-85, 2-85, 3-85).

1983-1987 Member, **Danish Lymphoma Trials Group (LYFO)** (Danish multicenter randomized trial of CHOP vs CVBP chemotherapy in non-Hodgkin malignant lymphoma).

Institutional Service Responsibilities:

University of Maryland – Baltimore:

- 2020– Member, **UMD COVID-19 Research Advisory Task Force Study Section**
- 2019– Member, the **Dean’s Artificial Intelligence Steering Committee**, UMSOM
- 2017– Member, **Advisory Committee for the Center for Innovative Biomedical Resources**, UMSOM
- 2014– Member, **Appointments, Promotions and Tenure (APT) Committee**, Department of Epidemiology and Public Health, UMSOM
- 2013– Member, occasionally Acting Chair, **Clinical Research Committee** of the UM Greenebaum Comprehensive Cancer Center
- 2019–2020 Member, Ad hoc **Scientific Review Panel for UMCP & UMB - AI + Medicine for High Impact (AIM-HI) Challenge Awards**
- 2015–2017 Member, **Maryland Psychiatric Research Center/ Department of Epidemiology and Public Health Faculty Biostatistician Search Committee**, UMSOM
- 2016–2017 Member, **Comprehensive Exam Committee**, Graduate Program in Epidemiology and Human Genetics, GPILS, UMSOM
- 2015–2016 Member, **Admissions Committee**, Graduate Program in Epidemiology and Human Genetics, GPILS and Epidemiology Concentration, Master of Public Health Program, UMSOM
- 2014–2015 Member, **Comprehensive Exam Committee**, Graduate Program in Epidemiology and Human Genetics, GPILS, UMSOM
- 2014 Member, *Ad hoc* **Scientific Review Panel for UMSOM Dean’s Challenge (ACCEL-Med) Awards**
- 2013–2014 Member, **Cancer Epidemiology Division Search Committee**, Department of Epidemiology and Public Health, UMSOM

University of Maryland Baltimore Faculty Mentoring Committees:

- 2015–: Chair of Mentoring Committee for Yuji Zhang, PhD, Department of Epidemiology and Public Health

University of Wisconsin – Madison:

- 2005–2013 Member, **Department of Human Oncology Executive Committee**
- 2005–2013 Member, **Medical Physics Faculty Committee**
- 2009–2013 Member, **User Committee for the UW Carbone Cancer Center Biostatistics Shared Resource**
- 2012–2013 **Senator, UW Faculty Senate**, District 85: Human Oncology; Biostatistics and Medical Informatics
- 2006–2011 Member, **Executive Committee, UW Paul P Carbone Comprehensive Cancer Center**
- 2010–2011 Program Leader, **Imaging and Radiation Sciences Program, UW Carbone Comprehensive Cancer Center**
- 2006–2010 Co-leader, **Imaging and Radiation Sciences Program** of the **UW Carbone Comprehensive Cancer Center**
- 2007 Member, **Department of Human Oncology Faculty Recruitment Committee**

University of Wisconsin Search Committees:

- 2012-2013 Member, **Search Committee** for Tenure Track Assistant Professor, Oncology/Radiation Oncology, School of Veterinary Medicine, Department of Medical Sciences
- 2007–2010: Member, **Chair Search Committee**, Department of Biostatistics and Medical Informatics
- 2007–2009: Member, **Search Committee** for Stem Cells and Regenerative Medicine Cluster Hire Position
- 2006–2007: Member, **Search Committee for Assistant Professor, Image Analysis**, Department of Biostatistics and Medical Informatics
- 2006–2007 Member, **Department of Human Oncology Internal Chair Search Committee**

University of Wisconsin Faculty Mentoring Committees:

- 2010–2013: Ed Bender, PhD, Department of Medical Physics.
- 2011–2013: Kevin Kozak, MD, PhD, Department of Human Oncology
- 2010–2012: George Cannon, MD, Department of Human Oncology
- 2008–2013: Weibo Cai, PhD, Dept’s of Radiology and Medical Physics
- 2008–2013: Deric Wheeler, PhD, Department of Human Oncology
- 2007–2011: Robert Jeraj, PhD, Department of Medical Physics.
- 2007–2012: Vikas Singh, PhD, Department of Biostatistics and Medical Informatics

University of Wisconsin Medical Foundation:

2008–2009: Member, Task Force on Industry Conflict of Interest in the Clinical Setting

Gray Laboratory/Gray Cancer Institute / West Hertfordshire NHS Trust (1998–2004):

2003–2004 Chair, Committee for Development of the **Scientific Strategy for the Relocation of the Gray Cancer Institute to Oxford University**

2003–2004 Member, **Sub-group for Consideration of the Future of the Gray Cancer Institute**

2003–2004 Adviser, **Local Research Ethics Committee** for West Hertfordshire NHS Trust

2003–2004 Chair, **Animal Research Ethics Committee** at the Gray Cancer Institute

1998–2004 Member, **Gray Cancer Institute Management Group**

1998–2003 Member, **Animal Research Ethics Committee** at the Gray Cancer Institute

1998–2004 Member, **Academic Board** of the Gray Cancer Institute

1998–2003 Member, **Local Research Ethics Committee** for West Hertfordshire NHS Trust

1999 Member, **Gray Laboratory Year 2000 Compliance Committee**

Editorships and Editorial Board Memberships (Current):

Cancer Chemotherapy and Pharmacology

Editorial Board Member

2014–present

Chinese Journal of Clinicians (CJC) (Published by the Chinese Medical Association)

Editorial Board member

2010–present

Frontiers in Radiation Oncology

Associate Editor

2010–present

Journal of Cancer Research and Therapeutics – JCRT

Consulting Editor

2009–present

Medical Physics

Associate Editor

2013–present

PeerJ

Member, Editorial Board of Academic Editors

2013–present

South African Journal of Oncology

Member, International Editorial Panel

2016–present

Editorships and Editorial Board Memberships (Past):

Acta Oncologica

Advisory Board member

1998–2010

Associate Editor

1992–1997

British Journal of Radiology

Associate Editor

2004–2005

International Journal of Radiation Biology

Editorial Board member

1991–2009

International Journal of Radiation Oncology, Biology, Physics

Editorial Board member

2003–2011

Guest Editor

vol. 49, issue 2, 2001

Journal of Oncology

Editorial Board member	2008–2017
<u>The Open Clinical Cancer Journal (TOCCJ)</u>	
Editorial Board member	2007–2011
<u>Nowotwory, Journal of Oncology</u> (Journal of the Polish Society of Oncology)	
Editorial Board member	2001–2013
<u>Radiotherapy & Oncology</u>	
Editorial Board member	1991–2014
Editor (Statistics)	1998–2004
<u>Seminars in Radiation Oncology</u>	
Guest Editor	Vol.4, Issue 2, 1994.

Editor of the *Annual Report* from the Danish Association for Medical Physics (1985, 1988, 1989).

Refereeing:	Peer review of 298 scientific papers for 33 international journals:	
	Acta Oncologica	(14)
	Acta Orthopaedica Scandinavia	(1)
	Annals of Oncology	(1)
	BioMed Central – Cancer	(1)
	British Journal of Cancer	(3)
	British Journal of Radiology	(5)
	Cancer	(2)
	Cancer Chemotherapy and Pharmacology	(2)
	The Cancer Journal	(2)
	Cancer Research	(3)
	Clinical Cancer Research	(5)
	Clinical Oncology (Royal College of Radiologists)	(4)
	European Journal of Cancer	(2)
	European Journal of Clinical Investigation	(1)
	Frontiers in Radiation Oncology (Associate Editor)	(12)
	International Journal of Radiation Biology	(45)
	International Journal of Radiation Oncology Biology Physics	(34)
	Journal of Clinical Oncology	(4)
	Journal of Oncology	(2)
	Journal of Theoretical Surgery	(1)
	Lancet	(1)
	Lancet Oncology	(5)
	Lung Cancer	(1)
	Medical Physics	(1)
	As Associate Editor	(1)
	Molecular Cancer Therapeutics	(1)
	Nature Reviews Cancer	(1)
	Neuro Oncology	(4)
	The Oncologist	(1)
	Physics in Medicine and Biology	(1)
	Public Library of Science – Medicine	(1)
	Radiation Oncology Investigations Clinical and Basic Research	(1)
	Radiation Research	(5)

Radiotherapy and Oncology
Regular reviews
Statistical reviews

(95)
(36)

Research Support

ACTIVE

P30 CA 134274-01 (Cullen) 08/1/2008-7/30/2016 1.2 pm
NCI \$980,000

Project Title: University of Maryland Cancer Center Support Grant

The goal of this grant is to provide infrastructure support to the University of Maryland Marlene and Stewart
Greenebaum Comprehensive Cancer Center.

Role: Co-Investigator

INTERNATIONAL ATOMIC ENERGY AGENCY (IAEA) #MSN141112 (Bentzen)

Clinical Trials Grant #: 16637

12/10/10–12/31/14

Data managing of a randomized multicentre trial of accelerated hypo - vs. normo - fractionated radiotherapy for
head and neck squamous cell carcinoma (IAEA-HYPNO trial)

Role: PI

Grant R72-A4605-13-S2 (Bentzen)

1/1/14– 12/31/16

Danish Cancer Society.

Improving radiotherapy through high-precision treatment planning and delivery: biological basis and clinical
indication.

Role: PI

DANISH CAPITAL REGION HEALTH RESEARCH FOUNDATION (Specht)

1/1/13–12/31/15

Region Hovedstadens Forskningsfond \$200,000

Combining imaging and immunohistochemical biomarkers for personalized radiotherapy

Role: Investigator

0.36 months/year effort, no salary

*This project aims at personalizing radiation therapy by non-uniform dose escalation based on biological imaging of hypoxia and
proliferative response.*

GLOBAL EXCELLENCE AWARD (Bentzen, Engelholm, Specht)

2010

Rigshospitalet, Denmark

\$300,000

Role: Joint PI

0.36 months/year effort, no salary

*The aim of this prospective study is to look for single nucleotide polymorphisms that are associated with a strong/weak normal-
tissue response to radiation therapy.*

PENDING

1R01CA212607-01 (Bentzen)

09/01/2016 – 08/31/2021

NIH/NCI

Personalized Tradeoff between Risks of Cardiotoxicity vs. Breast Cancer Recurrence after Postoperative Radiation
Therapy

Role: PI

3.0 months/year effort and salary

1R01CA208393-01 (Bentzen)		07/01/2016 – 06/30/2021
NIH/NCI		
Towards Precision Multi-Modality Medicine in Head and Neck Squamous Cell Carcinoma		
Role: PI		
2.4 months/year effort and salary		
<u>COMPLETED</u>		
1R01CA136927 (Jeraj)		5/1/09–3/30/14
NIH/NCI/NIH/NCI	\$1,798,050	
Dose painting Based on Hypoxia and Proliferative Response		
Role: Investigator		
0.36 months/year effort and salary		
C1094/A11728 (West)		9/01/10–8/31/12
Cancer Research UK	~\$392,480	
Genome-wide association study between single nucleotide polymorphisms and late toxicity of radiotherapy		
Role: Investigator		
0.35 months/year effort, no salary		
Start-up funds (Bentzen)		1/1/05–31/12/11
University of Wisconsin, the Cancer Center and the UW Medical Foundation		
Start-up funding support		
Role: PI		
0.5 months/year effort, no salary		
2 P30 CA 014520-34 (Wilding)		1/4/07–11/30/11
NIH/NCI	\$3,659,377	
UW Paul P. Carbone Comprehensive Cancer Center Support		
Role: Co-Leader of the Imaging and Radiation Science Program		
0.6 months/year effort & salary		
SP2513/0101. Hoskin (PI)		1/1/00–6/30/08
Cancer Research UK, Clinical Trials Committee		
Multicentre randomised trial of radical radiotherapy with carbogen in the radical treatment of locally advanced bladder cancer.		
Role: Co-PI		
0.5 months/year effort, no salary		
PO1 CA88960-01 (Mehta)		1/11/01–31/10/07
NIH/NCI	\$1,382,821	
Adaptive Helical Tomotherapy		
The major aim of this project is to improve the outcome of cancer radiotherapy through the development of adaptive helical tomotherapy.		
Role: Investigator, Biostatistics Core		
2.4 months/year effort & salary		
C8857/A4764 (Burnet)		12/1/05–11/30/07
Cancer Research UK		
RAPPER (Radio-genomics)		

The aim of this prospective study is to look for polymorphisms in selected candidate genes that are associated with a strong/weak normal-tissue response to radiation therapy

Role: Co-PI

0.5 months/year effort, no salary

FIR1-CT-2002-20213 (Baumann & Bentzen) 1/02 – 12/06

European Commission, Directorate General Research

ESTRO GENEPI – ENTB: Genetic Pathways for the Prediction of the Effect of Irradiation – European Normal and Tumour Tissue Bank and Database

Role: Co-PI

NHS Research & Development Program Grant (Bentzen) 1/98 – 12/04

UK National Health Service, R&D Directorate, Cancer Center, Mt Vernon Hospital

Human Cancer Biology and Informatics

Role: PI

QLG1-CT-2002-00583 (van den Bogaert) 1/03 – 6/04

European Commission, Directorate General Research,

Quality of Life and Living Resources, "Radiation Therapy for Cancer. Quantification of Radiation Therapy Infrastructure and Staffing Needs (QUARTS)".

Role: Principal Contractor

Grant 96 100 21 (Bentzen) 1/97 – 12/00

Danish Cancer Society.

Improving radiotherapy through high-precision treatment planning and delivery: biological basis and clinical indication.

Role: PI

Departmental Program Grant (Overgaard) 1/94 – 12/97

Danish Cancer Society.

Experimental radiotherapy and oncology.

Role: Co-Investigator

CRG 910991 (Bentzen) 11/91 – 7/97

North Atlantic Treaty Organization (NATO)

NATO Collaborative Research Grant: Inter-subject variability and the response to cancer radiotherapy. This grant supported research collaboration between the Department of Experimental Oncology, University of Aarhus Denmark and the Department of Biomathematics, University of Texas, MD Anderson Cancer Center.

Role: PI.

Grant 117-87 (Bentzen) 8/87 – 7/88

Danish Cancer Society,

Mathematical modeling in radiobiology

Role: PI

Grant 67-81 (Bentzen) 1/82 – 5/83

Danish Cancer Society

Computerized Tomography in Oncology

Role: PI

Research evaluation:

Research reviews/site visits:

- External reviewer, ad hoc review, *UCLA Jonsson Comprehensive Cancer Center, Shared Services*, Los Angeles, CA (12/17)
- External reviewer (site visit) of the research and teaching programs of the *Discipline of Radiation Therapy, University of Dublin, Trinity College*, Dublin, Ireland (4/12)
- External reviewer (site visit) of the research programs of *St Luke's Institute of Cancer Research and St Luke's Hospital*, Dublin, Ireland (3/05)
- External reviewer (site visit) of the research programs of the *Department of Oncology, University Hospital of Odense*, Denmark (2/97).

Review of grant Applications:

National Institute of Health:

- National Cancer Institute Review panel, ZCA1 PCRB-A A1 S, Loan Repayment Programs(Clinical) L30, May 2018.
- National Cancer Institute Special Emphasis Panel ZCA1 SRB-1 (J2): Informatics Technology for Cancer Research, Nov 2017.
- National Institute of Dental and Craniofacial Research (NIDCR) Special Emphasis Panel, ZDE1 CF (06), Jun 2017.
- National Cancer Institute Special Emphasis Panel ZCA1 SRB-2 (M2) R: "PQ3: How do variations in tumor-associated immune responses contribute to differences in cancer risk, incidence, or progression?" Apr 2017.
- National Cancer Institute Special Emphasis Panel ZCA1 TCRB-D (M1) S: Informatics Technology for Cancer Research, Mar 2017.
- National Cancer Institute Special Emphasis Panel ZCA1 TCRB-D (J3): Informatics Technology for Cancer Research, Dec 2016.
- National Cancer Institute Special Emphasis Panel ZCA1 TCRB-W (M2): Informatics Technology for Cancer Research, Feb 2016.
- National Cancer Institute Scientific Review Group: ZRG1 OTC-R 11 B, Small Business: Radiation Therapy and Biology, Mar 2011.
- National Institute of Allergy and Infectious Diseases (NIAID), Centers for Medical Counter-measures against Radiation (U19), Special Emphasis Panel, ZAI1 KS-I (M1), Apr 2010.
- National Cancer Institute NCI-ARRA Grand Opportunity Council ZCA1 RTRB-2 09 R, Aug 2009.
- National Cancer Institute Special Emphasis Panel ZCA1 RTRB-E (B1), Nov 2008.

Other U.S. agencies:

- Pennsylvania Department of Health and Oak Ridge Associated Universities (ORAU), PADOH 2011 Non-Formula Final Grants (Translational Genomics) review, Jun 2017.
- NASA Research and Education Support Services, May 2009.
- Research Competitiveness Program at the American Association for the Advancement of Science (AAAS) / Life Sciences Discovery Fund, Washington, Jul 2008.

Other international agencies:

- Independent Expert, Italian Association for Cancer Research (AIRC), 3-7 grant applications, annually 2008 – present
- Catalan Agency for Health Quality and Assessment of Catalonia (AHQAC), Jun 2013.
- External Reviewer, Aarhus University, Denmark & Aarhus University's Research Foundation: proposals for interdisciplinary research Centre for Integrative Sequencing (iSEQ) with the objective to integrate massive and multi-layered sequencing data to comprehensively study the genomics, epigenomics, transcriptomics, regulomics and metabiomics of cells, animal models, human samples and populations, Dec 2011.
- Independent Expert and Consensus Panel Review member for the European Commission, Directorate General for Research, Framework 7 HEALTH-2010 two-stage call, 2nd stage: Clinical Trials in Rare Cancers, Mar 2011.
- Remote reviewer and Consensus Panel Review member for the European Commission, Directorate General for Research, Framework 7 HEALTH-2010 two-stage call, 1st stage: Clinical Trials in Rare Cancers, Nov 2010.
- Canadian Breast Cancer Foundation, May 2009.

- Health Research Board, Ireland
- Independent Expert, European Commission Research Directorate-General, Directorate D: The human factor, mobility and Marie Curie Activities, Research Training Networks, 10/3/2005 – 12/31/2006
- Catalan Agency for Health Technology Assessment and Research and Catalan Health Service, 2004.
- Independent Expert, European Commission, 6th Framework Program for Research, Technological Development and Demonstration
- Dutch Cancer Society (Nederlandse Kankerbestrijding Koningin Wilhelmina Fond), the Netherlands.
- Cancer Research UK, Clinical Trials Awards and Advisory Committee, UK
- Chief Scientist Office, Health Department, Scottish Executive, UK
- Association for International Cancer Research, UK
- The Israel Science Foundation, Israel
- Danish Cancer Society, Scientific Committee, Denmark
- Engineering and Physical Sciences Research Council, UK
- The Wellcome Trust, UK
- ESTRO Education for Radiation Oncology Fellowship Program

Grant progress reviews

- Individual Grant Progress Review, *Engineering and Physical Sciences Research Council*, UK (11/00).

Appointments and promotion evaluations, extramural

1. Outside referee on the appointment of Brian Marples, PhD to Full Professor (Research track) at the Department of Radiation Oncology, University of Miami - Leonard M. Miller School of Medicine (2/17).
2. Outside referee on the promotion of Bassam Abdulkarim, MD, PhD to Full Professor (Clinical) in the Faculty of Medicine at McGill University, Quebec, Canada (11/16).
3. Outside referee on the promotion of Rachel Blitzblau, MD, PhD to the rank of Associate Professor without tenure on Track IV in the Department of Radiation Oncology at Duke University Medical Center, NC (10/16).
4. Outside referee on the promotion of Irina Ostrovnaya, PhD to Associate Attending Biostatistician at Memorial Hospital and Associate Member, Memorial Hospital at Memorial Sloan Kettering Cancer Center, NY (10/16).
5. Outside referee on the promotion of Francesca M. Buffa, PhD to the rank of Associate Professor, Department of Oncology, University of Oxford, England (1/15).
6. Outside referee on the appointment of Ane L. Appelt, PhD as Postdoctoral Fellow, Department of Radiation Physics, University of Texas MD Anderson Cancer Center, Houston, TX (1/15).
7. Outside referee on the promotion of Sujata Patil, PhD to the rank of Associate Attending Biostatistician at Memorial Sloan Kettering Cancer Center, NY (11/14).
8. Outside referee on the promotion of John P. Kirkpatrick, MD, PhD to the rank of Associate Professor (with tenure), Department of Radiation Oncology at Duke University Medical Center, NC (11/13).
9. Outside referee on the promotion of Janet K. Horton, MD to the rank of Associate Professor without tenure on Track I in the Department of Radiation Oncology at Duke University Medical Center, NC (11/13).
10. Outside referee on the appointment of Kari Tanderup, PhD to Professor (Clinical Science Track), Washington University, MO, USA (6/13).
11. Outside referee on the appointment of Francesca M. Buffa, PhD to the post of Bioinformatics Core Leader, Institute of Medicine, University of Oxford, England (7/12).
12. Outside reviewer on the promotion of Prakash Chinnaiyan, MD to the rank of Associate Member on the Clinician Scientist Pathway in the Department of Radiation Oncology at the Moffitt Cancer Center and to the rank of Associate Professor on the Clinician Educator Pathway in the Department of Oncologic Sciences at the University of South Florida College of Medicine, FL, USA (6/12).
13. Outside referee on appointment of Gillian Barnett, MD to Clinical Lecturer in the Department of Clinical Medicine,

University of Cambridge, England (6/11).

14. Outside referee on promotion of Neil Burnett, MD, PhD to the office of Professor in the Department of Clinical Medicine, University of Cambridge, England (12/10).
15. Outside referee to promotion of Emma Hall, PhD to a Career Faculty Appointment at the Institute of Cancer Research, College of the University of London, United Kingdom (12/10).
16. Outside referee on promotion of Joseph Deasy, PhD to the rank of Attending Physicist and Chair of Medical Physics at Memorial Hospital for Cancer and Allied Diseases, Member at Memorial Sloan Kettering Cancer Center, Professor of Physics, Joan and Sanford I Weill Medical College of Cornell University, New York, NY (7/10)
17. Outside referee on promotion of Neil Burnett, MD, PhD to Professor in the Department of Clinical Medicine, University of Cambridge, England (12/09).
18. External member of Scientific Evaluation Committee for Associate Professor Appointment in Medical Physics at the Niels Bohr Institute, University of Copenhagen, Denmark (8/09).
19. External member of Scientific Evaluation Committee for Associate Professor Appointment in the Department of Medical Physics, University of Southern Denmark, Odense, Denmark (12/08).
20. Outside referee on promotion of John Kirkpatrick, MD, PhD to Associate Professor (without tenure), in the Department of Radiation Oncology at Duke University Medical Center, NC (11/08).
21. Outside referee on promotion of Joseph Deasy, PhD to Professor, with tenure, Department of Radiation Oncology, Washington University in Saint Louis, School of Medicine, Saint Louis, MO (3/08).
22. Outside referee on appointment of Marianne Koritzinsky, Ph.D. to Assistant Professor, Ontario Cancer Institute, Princess Margaret Hospital, University of Toronto, Ontario, Canada (1/08).
23. Outside referee on promotion of Kevin Camphausen, MD to Senior Principal Investigator, with tenure, Radiation Oncology Branch, Center for Cancer Research, National Cancer Institute, Bethesda, MD (11/06).
24. Outside referee on promotion of Susan L. Tucker, PhD to Professor, with tenure, Department of Radiation Oncology, University of Texas MD Anderson Cancer Center, Houston, TX (11/06).
25. Outside referee on promotion of K.S. Chao, MD to Professor with tenure in the Department of Radiation Oncology, University of Texas MD Anderson Cancer Center, Houston, TX (11/06).
26. Outside referee on promotion of Neil Burnett, MD, PhD to the office of Reader, School of Clinical Medicine, University of Cambridge, England (11/06).
27. Outside referee on promotion of Henning Willers, MD to Assistant Professor, Department of Radiation Oncology, Harvard Medical School, Boston, MA (9/06).
28. External member of Scientific Evaluation Committee for Associate Professor Appointment at the Department of Medical Physics, Clinical Institute, University of Aarhus, Denmark (11/05).
29. External member of Interview Panel for Career Development Faculty position for John Fenwick, PhD, Institute of Cancer Research, London, UK (7/04).
30. External Referee on Appointment of Gerald Kutcher, PhD to Professor of Radiation Oncology, Columbia University College of Physicians & Surgeons, New York, USA (6/01).
31. Outside referee, tenure renewal (Associate Professor), Susan L. Tucker, PhD University of Texas MD Anderson Cancer Center, Texas, USA (3/96).
32. Outside referee on promotion of Robert Yaes, MD, PhD to Associate Professor, Department of Radiation Oncology, Albert Einstein College of Medicine of Yeshiva University, New York, USA (9/95).
33. Outside referee on promotion of Richard Chappell, PhD to Associate Professor, Department of Biostatistics and Statistics, University of Wisconsin, USA (9/95).

Appointments and promotion evaluations, intramural (UMB only):

1. Internal referee on the promotion of Arezoo Modiri, PhD to the rank of Assistant Professor in the Department of

Radiation Oncology, University of Maryland School of Medicine, Baltimore, MD (2/17).

Other

- Member of the jury for the 'Best Poster Award', 5th International Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Geneva, Switzerland (3/12).
- Member of the jury for the 'Best Poster Award', 4th International Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Geneva, Switzerland (3/09).
- Jury Member, 'Best Poster Award', 13th Annual Meeting of the ESTRO, Granada, Spain (9/94).

Teaching and course organisation:

a. Pregraduate teaching:

Foundations of Disease, 2 lectures (Correlation & regression, Survival statistics, 2nd year medical students), University of Maryland School of Medicine (9/14).

Clinical Lecturer in oncology: Basic and clinical radiobiology (2 lectures every second week, 3rd year medical students), U. of Aarhus, School of Medicine, Denmark (9/92 - 12/97).

Linear algebra, probability theory (2 times 2 hours per week, 1st year mathematics or physics students), U. of Aarhus, Denmark, Institute of Mathematics: U1/79-7/80).

b. Postgraduate teaching:

Epidemiology Journal Club, Attending Biostatistician, 1-2 sessions per semester, UMB (2014 –)

CIPP 909 “Responsible Conduct of Research”: Group discussion leader, Session on “Scientific ethics and the role of the scientist in contemporary society” and session on “Authorship, quotation, paraphrasing, citation and plagiarism”. Graduate Program in Life Sciences, UMB (2014–)

University of Maryland's 11th Annual “Radiobiology and Physics Review Course”, Baltimore, MD (Spring 2014)

Co-director (with Dr. M. Ritter) of Radiation Biology (Human Oncology 410, Medical Physics 410) UW School of Medicine and Public Health (Spring 2006, 2008, 2010, 2012)

Wisconsin Radiation Oncology Residents’ Course on Radiobiology (2013)

DHO Residents’ Course on Biostatistics and Research Methodology (8h, 2010, 2012)

PG course: Postgraduate course offered by a University as part of the PhD study program or by a Medical Professional Society

A-course: Postgraduate course offered by the Danish National Health Authority as a requirement for becoming a specialist in a medical discipline

b.1. Organisation of Courses:

- Director, ESTRO course: *Quantitative Methods in Radiation Oncology: Models, Trials and Clinical Outcomes*, Florence, Italy (30h, 2011); Copenhagen, Denmark (36h, 2012); Cambridge, England (36h, 2013); Vienna, Austria (36h, 2014); Brussels, Belgium (36h, 2015), Maastricht, the Netherlands (36h, 2017)
- Chairman of the European School of Oncology: *Modifying cancer response to therapy: From molecular signaling to cancer care*. Lugano, Switzerland, (9h, 2006)
- Director, *The Scientific Basis of Radiation Oncology*, HK Health Authorities, Hong Kong, China (36h, 2002)
- Co-director, ESTRO pre-meeting teaching course: *Where Next in Fractionation?*, Istanbul, Turkey (8h, 2000)
- Director, Introduction to Radiobiology for medical doctors, Denmark (8h, 1997)
- Director, A-course in Oncology: Radiobiology, Denmark (30h, 1997)

- Director, Introduction to Radiobiology for medical doctors, Denmark (8h, 1993)
- Director, Statistical methods in clinical research, Danish Society for Medical Physics (14h, 1986)

b.2. Teacher, U.S. + international:

- *ESTRO course: "Quantitative Methods in Radiation Oncology: Models, Trials and Clinical Outcomes", Maastricht, the Netherlands (2017)*
- *Clinical and Experimental Radiobiology course, University of Toronto, ON (2017)*
- *Integrated course in Biology and Physics of Radiation Oncology, Wayne State University, Detroit, MI (2017)*
- *Clinical and Experimental Radiobiology course, University of Toronto, ON (2016)*
- *Integrated course in Biology and Physics of Radiation Oncology, Wayne State University, Detroit, MI (2016)*
- *ESTRO course: "Quantitative Methods in Radiation Oncology: Models, Trials and Clinical Outcomes", Brussels, Belgium (2015)*
- *Integrated course in Biology and Physics of Radiation Oncology, Wayne State University, Detroit, MI (2015)*
- *Clinical and Experimental Radiobiology course, University of Toronto, ON (2015)*
- *ESTRO course: "Quantitative Methods in Radiation Oncology: Models, Trials and Clinical Outcomes", Vienna, Austria (2014)*
- *4th Masterclass in Radiation Oncology, European School of Oncology/ESTRO, Cascais, Portugal (2014)*
- *Integrated course in Biology and Physics of Radiation Oncology, Wayne State University, Detroit, MI (2014)*
- *Radiobiology course, Princess Margaret Hospital, Toronto, ON (2014)*
- *ESTRO pre-meeting teaching course, "Molecular imaging and dose painting in Radiation Oncology: dream or reality?", Geneva, Switzerland (2013)*
- *ESTRO course: "Using and Understanding Models in Radiation Oncology", Cambridge, England (2013)*
- *ESTRO pre-meeting teaching course: "Complex tissue interaction in late effects", Geneva, Switzerland (2013)*
- *Radiobiology course, Princess Margaret Hospital, Toronto, ON (2013)*
- *National Annual PhD course in Oncology, Nyborg, Denmark (2013)*
- *23rd Annual Residential Course, "Modern radiotherapy and diagnostic imaging: from target definition to 'adaptive' radiotherapy", Rome, Italy (2013)*
- *ESTRO course: "Using and Understanding Models in Radiation Oncology", Copenhagen, Denmark (2012)*
- *Research Methodology Course, Hangzhou, Peoples Republic of China (2012)*
- *Radiobiology course, Princess Margaret Hospital, Toronto, ON (2012)*
- *ESTRO course: "Using and Understanding Models in Radiation Oncology", Florence, Italy (2011)*
- *"Uncertainties in External Beam Radiation Therapy", AAPM Summer School, Vancouver, Canada (2011)*
- *ASTRO Spring Refresher Course, Chicago, IL, USA (2011)*
- *2nd Masterclass in Radiation Oncology, European School of Oncology/ESTRO, Cascais, Portugal (2010)*
- *Danish Graduate School in Clinical Oncology, Vejle, Denmark (2010).*
- *Radiobiology course, Princess Margaret Hospital, Toronto, ON (2010)*
- *1st Masterclass in Radiation Oncology, European School of Oncology/ESTRO, St.Julians, Malta (2008)*
- *Introduction to Research Seminar, Assoc. of Residents in Radiation Oncology (ARRO), Boston, MA, USA (2008)*
- *ESTRO pre-meeting teaching course, "MR and PET imaging in Radiation Oncology", Gothenburg, Sweden (2008)*
- *Danish Graduate School in Clinical Oncology, Vejle, Denmark (2008)*
- *18th Annual Residential Course, "Modern Radiotherapy, Symptom Control, Treatment Intensification", Rome, Italy (2008)*
- *Introduction to Research Seminar, Assoc. of Residents in Radiat. Oncol. (ARRO), Los Angeles, CA, USA (2007)*
- *9th FECS/AACR/ASCO Workshop on Methods in Clinical Cancer Research, Flims, Switzerland (2007)*
- *Pacific Northwest Radiobiology Course, Vancouver, Canada (2007)*
- *17th Annual Residential Course, "Image Guided Radiation Therapy", Rome, Italy (2007)*
- *ESTRO pre-meeting teaching course, "Current state of the art and future of combined treatments", Leipzig, Germany (2006)*
- *8th FECS/AACR/ASCO Workshop on Methods in Clinical Cancer Research, Flims, Switzerland (2006)*
- *16th Ann. Residential Course, "Modern RT, Evidence Based Medicine and Statistics", Rome, Italy (2006)*
- *European School of Oncology: Modifying cancer response to therapy: Molecular signaling to cancer care. Lugano, Switzerland, (2006)*
- *Introduction to Research Seminar, Assoc. of Residents in Radiat. Oncol. (ARRO), Denver, Colorado, USA (2005)*
- *7th FECS/AACR/ASCO Workshop on Methods in Clinical Cancer Research, Flims, Switzerland (2005)*
- *Biological basis for Non-Uniform Dose-Distributions in Radiation Oncology, Educational Session, 46th Annual Meeting of the ASTRO, Atlanta, Georgia, USA (2004)*
- *6th FECS/AACR/ASCO Workshop on Methods in Clinical Cancer Research, Flims, Switzerland (2004)*
- *Introduction to Research Seminar, Assoc of Residents in Rad Oncol (ARRO), Salt Lake City, Utah, USA (2003)*

- *Biological basis for Non-Uniform Dose-Distributions in Radiation Oncology*, Educational Session, 45th Annual Meeting of the ASTRO, Salt Lake City, Utah, USA (2003)
- *From Clinical Trials to Clinical Practice*, Educational Session, 12th ECCO meeting, Copenhagen, Denmark (2003)
- 5th FECS/AACR/ASCO Workshop on *Methods in Clinical Cancer Research*, Flims, Switzerland (2003)
- Danish National Health Authority, A-course in Radiobiology, Denmark (2003)
- *Clinical Cancer Research*, Postgraduate course, University of Aarhus, Denmark (2003)
- *Radiobiology-radiotherapy*, Postgraduate course. Karolinska Hospital, Stockholm, Sweden (2002)
- ESTRO & IAEA course: *Basic Clinical Radiobiology* (with Russian translation), St. Petersburg, Russia (2002)
- 4th FECS/AACR/ASCO Workshop on *Methods in Clinical Cancer Research*, Flims, Switzerland (2002)
- *Treatment of Non-small Cell Lung Cancer*, Danish Assoc of Residents in Oncology. Aarhus, Denmark (2002)
- *The Scientific Basis of Radiation Oncology*, Hong Kong, China (2002)
- *Medicine, Biology and Technology Interactions in Rad Oncol*, Teaching Course, Dresden, Germany (2001)
- 3rd FECS/AACR/ASCO Workshop on *Methods in Clinical Cancer Research*, Flims, Switzerland (2001)
- Danish National Health Authority, A-course in Radiobiology, Denmark (2001)
- ESTRO course: *Methodology of Clinical Research*, Izmir, Turkey (2001)
- ESTRO course: *Basic Clinical Radiobiology*, Bratislava, Slovakia (2000)
- ESTRO pre-meeting teaching course; "Where next in fractionation?", Istanbul, Turkey (2000)
- 2nd FECS/AACR/ASCO Workshop on *Methods in Clinical Cancer Research*, Flims, Switzerland (2000)
- European School of Medical Physics: *Course on Conformal Radiotherapy*, Archamps, France (1999)
- ESTRO course: *Methodology of Clinical Research*, Como, Italy (1999)
- International Society for Radiation Oncology (ISRO): *Evidence Based Radiation Oncology: Principles and Methods*, Cape Town, South Africa (1999)
- European School of Medical Physics: *Course on Conformal Radiotherapy*, Archamps, France (1998)
- ESTRO course: *Basic Clinical Radiobiology*, Lisbon, Portugal (1998)
- ESTRO course: *Methodology of Clinical Research*, Barcelona, Spain (1998)
- European School of Oncology (ESO) *Advanced Course: Radiotherapy 2000*, Lugano, Switzerland (1997)
- ESTRO course: *Basic Clinical Radiobiology*, Como, Italy (1997)
- ESTRO course: *Basic Clinical Radiobiology*, Izmir, Turkey (1996)
- ESTRO course: *Principles of Radiotherapy and Clinical Research*, Granada, Spain (1996)
- ESTRO course: *Principles of Radiotherapy and Clinical Research*, Prague, Czech Republic (1995)
- ESTRO course: *Basic Clinical Radiobiology*, Prague, Czech Republic (1994)
- ESTRO course: *Principles and Technical Aspects in Clinical Radiotherapy*, San Giovanni Rotondo, Italy (1994)
- ESTRO course: *Principles and Technical Aspects in Clinical Radiotherapy*, Copenhagen, Denmark (1993)
- ESTRO course: *Basic Clinical Radiobiology*, Aarhus, Denmark (1992)
- Polish Fall School in *Medical Physics*, Bydgoszcz, Poland (1992)
- ESTRO course: *Methodology of Clinical Trials in Radiotherapy*, Malmö, Sweden (1992)

b.3. Teacher, UK:

- Radiobiology Master Class, The Scottish Oncology Course, Oncology Board of the Academy of Royal Colleges & Faculties in Scotland (2002, 2003)
- "Radiobiology for Radiotherapy", Royal Marsden Hospital (annually 2001 - 2004)
- MSc Course in Radiation Biology, University College London (annually 2000 - 2004)
- MSc Course in Oncology, University of Nottingham (2003, 2004)
- Royal College of Radiologists & Royal College of Physicians Joint London Course in Oncology, First Year: Radiobiology, London (annually 1998 - 2004)
- Post-graduate course, Lecture (1h) on Critical appraisal of Biomedical Papers, Mt. Vernon and Watford NHS Trust (5-6 times a year, 1998-1999)

b.4. Teacher, Denmark before Jan. 1998:

- PG course: Introduction to radiobiology, (1997)
- PG course: Experimental basis of radiotherapy. U. Copenhagen, Rigshospitalet (1997).
- A-course in Oncology: Radiobiology (1997).
- PG course in Biomedical Isotope Techniques (U. of Aarhus): Statistics (1996).

- PG course in Research Methodology (FYO): Meta-analysis (1996).
- PG course: Experimental basis of radiotherapy. U. Copenhagen, Rigshospitalet (1995).
- A-course in Oncology: Radiobiology (1995).
- PG course in Biomedical Isotope Techniques (U. of Aarhus): Statistics (1995)
- Introductory 8-hour course in Radiobiology for medical doctors (1993)
- A-course in Oncology: Radiation physics (1993)
- PG course in Biomedical Isotope Techniques (U. of Aarhus): Statistics (1993)
- PG course: Radiotherapy in hematologic disease, Danish Society for Hematology (1993)
- PG course: Resistance to cancer therapy, Danish Society for Medical Oncology (1992)
- PG course in Biomedical Isotope Techniques (U. of Aarhus): Statistics (1992)
- PG course in Research Methodology (FYO): Statistics (1991).
- PG course in Nuclear Medicine (U. of Aarhus): Statistics (1991)
- A-course in Oncology: Radiation physics (1990)
- PG course in Nuclear Medicine (U. of Aarhus): Statistics (1990)
- A-course in Oncology: Radiobiology (1989).
- A-course in Oncology: Radiation physics (1989)
- PG course: Radiotherapy in hematologic disease, Danish Society for Hematology (1989)
- PG course in Nuclear Medicine (U. of Aarhus): Mathematics, statistics (1988)
- PG course in Quantitative Computed Tomography, Danish Society for Diagnostic Radiology (1987)
- Statistical methods in clinical research, Danish Society for Medical Physics (1986)
- PG course in Nuclear Medicine (U. of Aarhus): Mathematics, statistics (1986)
- A-course in Oncology: Radiation physics (1986)
- PG course in Nuclear Medicine (U. of Aarhus): Mathematics, statistics (1985)
- PG course in Nuclear Medicine (U. of Aarhus): Mathematics, statistics (1983)
- A-course in Oncology: Radiation physics (1982)

+ numerous courses for radiotherapy technicians, nurses, laboratory technicians

Dissertation committees (UMB):

Amol Carl Shetty
PhD Candidate, O'Connor Lab
Institute for Genome Sciences
University of Maryland Baltimore

Supervisor of theses:

Stephen Bowen, B.Sc.
Model based biological dose prescription in radiation oncology.
Ph.D. in Medical Physics, University of Wisconsin, School of Medicine and Public Health
9/06–6/11

Beste M. Atasoy, M.D.
EGF receptor expression in head and neck cancer,
M.Sc. in Radiobiology, University College London, UK
5/03–9/03

Özlem U. Ataman, M.D.
Application of competing risks models in cancer research,
Ph.D. in Medicine, University College London, UK
7/99–6/03

Henriette B. Honore, M.Sc.
Modelling in the optimization of radiotherapy,
Ph.D. in Medicine, Faculty of Medicine, University of Aarhus, Denmark
9/98-4/02

Niels Katballe, M.D.
Hereditary non-polyposis colon cancer (HNPCC),
Ph.D. in Medicine, Faculty of Medicine, University of Aarhus, Denmark
9/96 - 9/01

Libor Judas, M.Sc.
The role of cellular and tissue characteristics in the development of radiation injury in normal tissues - a modelling approach,
Ph.D. in Medicine, Faculty of Medicine, University of Aarhus, Denmark
2/94 - 9/97.

Elizabeth Work, M.D.
The role of radiotherapy in small cell lung cancer,
Ph.D. in Medicine, Faculty of Medicine, University of Aarhus, Denmark
10/93 - 11/97.

Azza A. Khalil, M.D.
Experimental studies of different cellular and tissue environmental parameters of a malignant solid tumour during its growth,
Ph.D. in Medicine, Faculty of Medicine, University of Aarhus, Denmark
4/92 - 8/96.

Jerzy Z. Skoczylas, M.D.
Clinical radiobiology of lung injury after radiotherapy,
Ph.D. in Medicine, Faculty of Medicine, University of Aarhus, Denmark
4/92 - 11/95.

Lars Frost, M.D.
Atrial and autonomous function after coronary bypass surgery,
Ph.D. in Medicine, Faculty of Medicine, University of Aarhus, Denmark
6/91 - 4/95.

Dorte E. Pedersen, M.D.
Comparison of continuous vs. split-course radiotherapy in primary treatment of carcinoma of the uterine cervix stage IIb and III,
Ph.D. in Medicine, Faculty of Medicine, University of Aarhus, Denmark
6/90 - 7/94.

Jesper Carl, M.Sc.
Mathematical modelling of tumour markers,
Ph.D. in Medicine, Faculty of Medicine, University of Aarhus, Denmark
5/89 - 9/93.

Tom Gotthold
Tumour-growth models,
M.Sc. in Applied Mathematics, Institute of Mathematics, University of Aarhus, Denmark
2/89 - 1/90.

Mentoring of international research fellows:

Carsten Brink, Ph.D.

Henrik Nissen, Ph.D.

Tine Schytte, M.D.

Nils Patrik Brodin, M.Sc.

Anne K. Due, M.D.

Ane Appelt, M.Sc.

Stine S. Korreman, Ph.D.

Ivan Vogelius, Ph.D.

Valentina Dimitrova, M.Sc.

Akmal Safwat, M.D.

Supervising medical student research projects:

Julian Clint Hong

Jing Li

Lea Richter Olsen

Lars Bach

Anders Odgaard and Claus M. Pedersen, 4th year medical students "*Density changes at the proximal tibia after medial meniscectomy*". Diagnostic radiology prize paper, awarded a gold medal by University of Aarhus, Denmark 8/85 - 1/87.

Examining:

- American Board of Radiology's Radiation Oncology Item Writing Cycle, writer for Radiation Oncology, sub-topic Biostatistics and Ethics (2010, 2011)
- External Examiner (1999-2001) & Senior Examiner and Chairman (2002-2005) of Examining Committee in Radiation Therapy, Faculty of Health Sciences, Trinity College, Dublin, Ireland
- Expert Examiner in Radiobiology and Member of the Examining Board for the First Examination for the Fellowship in Clinical Oncology, Royal College of Radiologists, London, UK (2000-2004)

Ph.D. committees (UWSMPH, MP: medical physics):

Student name	Program	Prelim ex.	Final ex.
Peter Scully	MP	2013	-
Jeremy Bredfeldt	MP	2012	-
J. Gabe Heredia	MP	2011	2013

Jialu Yu	MP	2011	-
Andrew G. Ellis	MP	2011	-
Areli Alejandra Zuniga	MP	2011	-
Stephen Bowen	MP	2009	2011
Ed Bender	MP	-	2010
Benjamin Titz	MP	2009	2012
Joseph Grudzinski	MP	2009	-
Matt Vanderhoek	MP	2009	-
David Westerly	MP	-	2009
Noah Arvidson	MP	2009	-
Alonso Gutiérrez	MP	-	2007
Yusung Kim	MP	-	2007
Ryan Flynn	MP	-	2007
Karl Rasmussen	MP	2007	-
Leah Schubert	MP	2007	2009

Ph.D. theses examined – External Examiner (outside UMB/UW):

- Jesper Tranekjær Jørgensen, University of Copenhagen, Denmark (2013)
 - *Molecular Imaging of Tumor Hypoxia using Cu-ATSM - Preclinical Studies of Temporal changes in Tumor Uptake*
- Oline Olesen, Technical University of Denmark, Copenhagen, Denmark (2011)
 - *Markerless 3D Head Tracking for Motion Correction in High Resolution PET Brain Imaging*
- Isabelle MA Lombaert, U Medical Center Groeninge, the Netherlands (2008)
 - *Regeneration of Irradiated Salivary Glands by Stem Cell Therapy*
- Geoffrey Paul Delaney, U of New South Wales, Sydney, NSW, Australia (2007)
 - *Estimating the Optimal Radiotherapy Utilisation Rate from a Review of Evidence-Based Clinical Guidelines*
- Deborah Sia Ping Davey, U of Melbourne, Victoria, Australia (2006)
 - *Cellular and Molecular Analysis of Radiosensitive Cancer Patients*
- Johan Nilsson, U of Stockholm, Sweden (2004)
 - *Accurate description of heterogeneous tumors for biologically optimized radiation therapy*
- Francesca M. Buffa, U of London, United Kingdom (2001)
 - *Radiobiological Modeling*
- Olfred S.V. Hansen, M.D., U of Odense, Denmark (1994)
 - *Experimental Studies of Repopulation after Radiotherapy and Chemotherapy*

Member of PhD thesis evaluation committees (as supervisor or co-supervisor):

- Henriette B. Honore, M.Sc., U of Aarhus, Denmark (2002)
- Jerzy Z. Skoczylas, M.D., U of Aarhus, Denmark (1997)
- Dorte E. Pedersen, M.D., U of Aarhus, Denmark (1995)
- Jesper Carl, M.Sc., U of Aarhus, Denmark (1993)

Organization of Conferences:

- Biostatistics Expert to the Program Assembly Committee for the 62nd Annual Meeting of the ASTRO, on-line only, USA, 9/20.
- Chair, Workshop: Beyond QUANTEC: Next-generation normal tissue effects modeling in radiation oncology, University of Maryland/Hokkaido University, Baltimore, MD, USA, 2/20.
- Biostatistics Expert to the Program Assembly Committee for the 61st Annual Meeting of the ASTRO, Chicago, IL, USA, 9/19.
- Biostatistics Expert to the Program Assembly Committee for the 60th Annual Meeting of the ASTRO, San Antonio, TX, USA, 10/18.

- Co-chair, Workshop on Understanding High-Dose, Ultra-Dose-Rate and Spatial Fractionated Radiotherapy, National Cancer Institute, Bethesda, MD, USA, 8/2018
- Biostatistics Expert to the Program Assembly Committee for the 59th Annual Meeting of the ASTRO, San Diego, CA, USA, 9/17.
- Biostatistics Expert to the Program Assembly Committee for the 58th Annual Meeting of the ASTRO, Boston, MA, USA, 9/16.
- Member, Advisory Board and joint chair of Radiotherapy Section, 7th Intl. Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Geneva, Switzerland, 2/16.
- Member, Organizing Committee and Member, Advisory Board and joint chair of Radiotherapy Section, 6th Intl. Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Geneva, Switzerland, 2/14.
- Program co-director, 9th Int Conf on Dose, Time and Fractionation in Radiation Oncology: "From Hyper- to Hypo-fractionation in Radiation Oncology", Madison, Wisconsin, 9/13.
- Member, Advisory Board and Member, Scientific Committee and joint chair of Radiotherapy Section, 5th Intl. Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Geneva, Switzerland, 3/12.
- Member, Scientific Committee for the 14th International Congress of Radiation Research, Warsaw, Poland, 8/11.
- Abstract Reviewer, Physics, 52nd Annual Meeting of the ASTRO, San Diego, CA, USA, 10/10.
- Member, Scientific Advisory Comm for Radiobiology, 29th Annual Meeting of ESTRO, Barcelona, Spain, 9/10.
- Abstract Reviewer: Breast Cancer; Particle Beam Therapy; Radiation Therapy in Society; Errors and Mis-administration; 29th Annual ESTRO Meeting, Barcelona, Spain, 9/10.
- Abstract Reviewer, Physics, 51st Annual Meeting of the ASTRO, Chicago, IL, USA, 10/09.
- Program co-director, 8th Int Conf on Dose, Time and Fractionation in Radiation Oncology: "Theragnostic Approach to Multimodality Personalized Cancer Therapy", Madison, Wisconsin, 9/09.
- Chairman (with Dr Tomas Kron, Melbourne) of the Special Topic Track: *The Role of The Medical Physicist in Clinical Trials*, World Congress of Medical Physics and Biomedical Engineering, Munich, Germany, 9/09.
- Co-chairman, Scientific Committee, 4th Intl. Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Geneva, Switzerland, 3/09.
- Member, Scientific Committee, 2nd ESTRO Workshop on Normal Tissue Morbidity: "Prevent", Brussels, 1/09.
- Abstract Reviewer, Physics, 50th Annual Meeting of the ASTRO, Boston, MA, USA, 9/08.
- Co-chairman, "Predicting Individual Radiation Sensitivity: Current and Evolving Technologies", Workshop supported by the NIAID Centers for Medical Countermeasures against Radiation, Columbia University, New York, NY, 3/08.
- Co-chairman and local organizer, ASTRO/AAPM workshop on *Quantitation of Normal Tissue Effects of Radiation Therapy*, Madison, Wisconsin, 10/07.
- Member, Program Committee for the 2007 ASTRO/ASCO/AHNS Multidisciplinary Head and Neck Cancer Symposium, Palm Springs, California, 1/07.
- FECS representative, Program Committee of the 8th FECS/AACR/ASCO Workshop on *Methods in Clinical Cancer Research*, Flims, Switzerland 6/06.
- Co-chairman, Scientific Committee, 3rd International Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Lugano, Switzerland, 3/06.
- Program co-director, 7th Intl Conf on Dose, Time and Fractionation in Radiation Oncology: "Physical, Chemical and Biological Targeting in Radiation Oncology", Madison, Wisconsin, 9/05.
- FECS representative, Program Comm., 7th FECS/AACR/ASCO Workshop on *Methods in Clinical Cancer Research*, Flims, Switzerland 6/05.
- Member, Organizing Committee, 4th S. Takahashi Memorial Int Workshop on 3-D Conformal Radiotherapy, Nagoya, Japan 12/04.
- Member, Scientific Committee, 23rd Annual Meeting of the ESTRO, Amsterdam, the Netherlands, 9/04.
- FECS representative, Program Committee of the 6th FECS/AACR/ASCO Workshop on *Methods in Clinical Cancer Research*, Flims, Switzerland 6/04.
- Member, Scientific Committee, 2nd ESTRO Radiobiology Workshop, Nijmegen, the Netherlands, 6/03.
- FECS representative, Program Committee of the 5th FECS/AACR/ASCO Workshop on *Methods in Clinical Cancer Research*, Flims, Switzerland 6/03.
- Member, Organizing Committee and Member, Scientific Committee, 2nd International Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Lugano, Switzerland, 3/03.
- Chairman, Radiobiology Scientific Comm., Member, Program Comm., 21st Annual ESTRO Meeting, Prague, Czech Republic, 9/02.
- Member, Scientific Committee of the Intl Symp on Cellular Proliferation in RT, Dresden, Germany, 9/02.
- FECS representative, Program Committee, 4th FECS/AACR/ASCO Workshop on *Methods in Clinical Cancer Research*, Flims, Switzerland 6/02.

- Member, International Advisory Board, 7th Int. Meeting on Progress in Radio-Oncology ICRO/ÖGRO 7, Salzburg, Austria 5/02.
- Member, Steering Committee for the Late Effects Workshop jointly organized by the RTOG, EORTC, ASTRO, ESTRO, NCI-CTEP and the NCI Radiation Oncology Program, St Petersburg Beach, Florida, USA, 4/02.
- Member, Advisory Board, XI National Congress of the Spanish Association for Rad Oncol, Murcia, Spain 10/01.
- Member of the Organizing Committee of the 1st ESTRO Radiobiology Workshop, Aarhus, Denmark, 6/01.
- Member, Int. Scientific Program Advisory Committee, Int. Congress of Radiation Oncology, Melbourne, Australia, 1/01.
- Member, Scientific Committee of the ESTRO meeting on *Radiation Morbidity for the Practicing Clinician - Diagnosis, Documentation, Prevention and Treatment*, Brussels, Belgium, 12/00.
- Chairman, Radiobiology Scientific Comm., Member, Program Comm., 19th Annual Meeting of the ESTRO, Istanbul, Turkey, 9/00
- Co-ordinator, Clinical Program, Member, Organizing Committee and Member, Scientific Committee, First Intl Conf on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Lugano, Switzerland, 3/00.
- Member, Scientific Committee, 29th Meeting of the European Society for Radiation Biology, Capri, Italy, 10/98.
- Director, ESTRO Workshop on *Variability in the radiosensitivity of normal cells and tissues*, Edinburgh, 9/98.
- Chairman, Radiobiology Scientific Committee and Member of the Program Committee, 17th Annual Meeting of the ESTRO, Edinburgh, 9/98.
- Member, Scientific Committee, Assoc for Radiation Research and European Society for Radiation Biology Meeting, Oxford, 9/97.
- Organizer and chairman of Workshop session on Patient-to-patient variability in the Response to Radiotherapy, Radiation Research Society 5/97.
- Member, Scientific Comm, Member, Abstract Review Comm, 15th Annual Meeting of the ESTRO, Vienna, 9/96.
- Member, Scientific Comm, Member, Abstract Review Comm, 13th Annual Meeting of the ESTRO, Granada, 9/94.
- Member, Scientific Committee, 11th Annual Meeting of the ESTRO, Malmö, 9/92.

Session Chairmanships:

- Chairman, "Original Contributions 2", 6th Annual Meeting of the Particle Therapy Group – North America, Miami FL, 10/19.
- Chairman, "GWAS and Post-GWAS Projects", 10th Radiogenomics Consortium Meeting, University of Manchester, UK, 7/18.
- Chairman and Rapporteur, "Overcoming Existing Obstacles and Incorporating Emerging and Future Radiotherapies into Patient Care", AACR Radiation Science and Medicine Think Tank: Illuminating Technological Advances and Challenges in Precision Radiotherapies, Philadelphia, PA, 6/18.
- Panel Moderator, "Do data matter?", Public Health Research@Maryland 2018, College Park, MD, 4/18.
- Chairman, "Modeling and validation", 8th International Radiogenomics Meeting, Maastricht, the Netherlands, 6/16.
- Chairman, "Optimizing treatment planning and delivery", International Conference on Translational Research in Radiation Oncology – Physics for Health in Europe, Geneva, Switzerland, 2/16.
- Chairman, "Residents' Competition", Canadian Association of Radiation Oncology, Annual Meeting, Kelowna, BC, Canada, 9/15.
- Chairman, "Profiling/Model building", 7th International Radiogenomics Meeting, Montpellier, France, 6/15.
- Chairman, "Dose fractionation: From hyperfractionation to hypofractionation", 15th International Congress of Radiation Research, Kyoto, Japan, 5/15.
- Chairman, "New Therapeutic Targets", 5th Int. Conf. on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Geneva, Switzerland, 2/14.
- Chairman, "Cancer Epidemiology and Population Health", UMD-NCI Cancer Technology and Epidemiology Symposium, College Park, MD, USA, 1/14.
- Chairman, "Evidence-based Radiation Oncology: The Large Database Perspective", 17th European Conference on Clinical Oncology (ECCO), Amsterdam, The Netherlands, 9/13.
- Chairman, "Biological and Physical Optimization of Treatment Plans", 5th International Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Geneva, Switzerland, 2/12.
- Chairman, "New Technology and Normal Tissue Effects", ESTRO PREVENT meeting, Brussels, Belgium, 3/11.
- Chairman, prof. paper session "Treatment Response Monitoring and Modeling", 52nd Annual ASTRO Meeting, San Diego, CA, USA, 11/10.
- Chairman, ESTRO/CARO session "The Rapid Implementation of New Technologies in the Field of Radiation Oncology", 29th Annual Meeting of the ESTRO, Barcelona, Spain, 9/10.
- Chairman, proffered paper session "Head and Neck Cancer", ASCO Annual Meeting 2010, Chicago, IL, USA, 6/10.
- Lead panelist, "What type of evidence is needed for technology assessment?", ASTRO Symposium "Current State of the Art Techniques for IMRT, IGRT, SBRT", Dallas, TX, USA, 5/10.
- Chairman, "Very Late Effects of Radiation Therapy", 15th European Conf. on Clinical Oncology (ECCO), Berlin, Germany, 9/09.

- Chairman, “New Horizons in Radiation Oncology”, *8th Int. Conference on Time Dose and Fractionation*, Madison, WI, USA, 9/09.
- Chairman, prof. paper session *4th Int. Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology*, Geneva, Switzerland, 3/09.
- Chairman, prof. papers session “Treatment Modeling and Outcome Prediction”, *50th Annual ASTRO Meeting*, Boston, MA, USA, 9/08.
- Moderator of poster session “Radiobiology”, *50th Annual Meeting of the AAPM*, Houston, TX, USA, 7/08.
- Chairman, plenary discussion session “Statements on the Future of Radiation Oncology”, *30th anniversary meeting of the Dutch Society of Radiation Oncology (NVRO)*, Zeist, The Netherlands, 6/08.
- Chairman, “Proton therapy/research opportunities”, *17th Int Symposium, Radiation Therapy for Cancer*, Hiroshima, Japan, 11/07.
- Chairman, “Where next?”, *ASTRO/AAPM workshop on Quantitation of Normal Tissue Effects of Radiation Therapy*, Madison, WI, 10/07.
- Chairman, “Clinical trials of combined modality therapy”, *9th AACR/ ASCO/FECS Workshop Methods in Clinical Cancer Research*, Flims, Switzerland, 6/07.
- Discussant of 2 proffered papers on Head and Neck Cancer, *48th Annual Meeting of the ASTRO*, Philadelphia, PA, USA, 11/06.
- Moderator of the Panel “Novel Methods of Clinical Trials Design, Result Analysis and Research Interpretation”, *48th Annual Meeting of the ASTRO*, Philadelphia, PA, USA, 11/06.
- Chairman, “Clinical trials of combined modality therapy”, *8th AACR/ ASCO/FECS Workshop Methods in Clinical Cancer Research*, Flims, Switzerland, 6/06.
- Chairman, ‘Imaging and targeting in radiation oncology’, *3rd International Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology*, Lugano, Switzerland, 3/06.
- Chairman, ‘Molecular and Functional Imaging’, *Physical, Chemical and Biological Targeting in Radiation Oncology*, *7th Intel Conf on Dose, Time and Fractionation in Radiation Oncology*, Madison, WI, USA, 9/05.
- Chairman, “Challenges in special populations: pediatric, elderly and ethnics”, *7th AACR/ ASCO/FECS Workshop on Methods in Clinical Cancer Research*, Flims, Switzerland, 6/05.
- Discussant of 6 proffered papers on Head and Neck Cancer, *46th Annual Meeting of the ASTRO*, Atlanta, GA, USA, 10/04.
- Chairman of Discussion Forum, Late Effects of Cancer Treatment: How to Assess and Improve Outcomes? *British Institute of Radiology*, London UK, 05/04.
- Chairman, LENT V Workshop: Adverse Effects Metrics and Reporting Standards, Rochester, NY, USA, 05/04.
- Chairman, “Gene Expression Profiling”, *2004 Scientific Meeting*, Assoc for Radiat Research, Great Missenden, UK, 05/04.
- Discussant of 5 proffered papers on Breast Cancer, *45th Annual Meeting of the ASTRO*, Salt Lake City, Utah, USA, 10/03.
- Chairman, Meet the Professors session “Functional Imaging in the Evaluation of Treatment Response”, *2nd Intel Conf on Translational Research and Pre-Clinical Strategies in Radio-Oncology*, Lugano, Switzerland, 3/03.
- Chairman, “Biological Treatment Planning” Meeting on “*Innovations in Radiation Oncology – Precision and Effectiveness*”, Munich, Germany, 3/03.
- Co-chairman of the workshop “Translational Research in Radiotherapy”, *NCRI National Radiotherapy Trials Meeting*, London, UK, 11/02.
- Chairman of the session “Biology of IMRT”. Meeting on “*Clinical IMRT in Europe*”, Institute for Radiation Oncology, Donauespital and Ludwig Boltzmann Gesellschaft, Vienna, Austria, 11/02.
- Chairman of the workshop: “Low dose hyper-radiosensitivity”. *21st Ann Meet of the ESTRO*, Prague, Czech Republic, 9/02.
- Chair, Research Symposium “Issues in Biostatistics”. *18th UICC Intl Cancer Congress*, Oslo, Norway, 7/02.
- Chairman, prof. paper session “Radiobiology”, *11th Europ Conf on Clinical Oncology*, Lisbon, Portugal, 10/01.
- Chairman, poster discussion “Radiobiology and Radiotherapy”, *11th Europ Conf on Clinical Oncology*, Lisbon, Portugal, 10/01.
- Chairman, “Unique aspects of trials in surgery and radiation oncology”, *3rd FECS/AACR/ ASCO Workshop on Methods in Clinical Cancer Research*, Flims, Switzerland, 6/01.
- Chairman, “Modelling and New Techniques”, *1st ESTRO Workshop on Biology in Radiation Oncology*, Fuglsø, Denmark, 6/01.
- Chairman, “State of the Art”, *5th Conf. on Advances in Radiation Oncology*, Polish Society for Rad Onc, Poznan, Poland, 4/01.
- Chairman of the Poster Session & Member of the jury for Best Poster Award, *5th Conf. on Advances in Radiation Oncology*, Polish Society for Radiation Oncology, Poznan, Poland, 4/01.
- Rapporteur of the posters on “Therapeutic ratio modification”, *MITRE 2000*, Brussels, Belgium, 12/00.
- Chairman of the session “Recording of late morbidity”, *MITRE 2000*, Brussels, Belgium, 12/00.
- Chairman, Poster Workshop “Treatment-related Morbidity”, *19th Ann Meet of the ESTRO*, Istanbul, Turkey, 9/00.
- Chairman, “Radiotherapy and Quality of Life”, *2nd FECS/AACR/ ASCO Workshop on Methods in Clinical Cancer Research*, Flims, Switzerland, 6/00.

- Chairman of the Forum debate: “The Translational Research Chain: Is it Delivering the Goods?”, *1st Intl. Conf. on Translational Research and Pre-Clinical Strategies in Radio-Oncology*, Lugano, Switzerland, 3/00.
- Chairman, “Clinical Perspectives”, *1st Intl. Conf. on Translational Research and Pre-Clinical Strategies in Radio-Oncology*, Lugano, Switzerland, 3/00.
- Chairman, “Documentation and Management”, *Intl Symp on Radiation-Induced Lung Damage*, Dresden, Germany 7/99.
- Chairman, “Meta-analysis in Clinical Practice”, *17th Annual Meeting of the ESTRO*, Edinburgh, UK 9/98.
- Chairman, “Summary and General Discussion”, *ESTRO Pre-conference Workshop on Variability in the Radiosensitivity of Human Cells and Tissues*, Edinburgh, UK 9/98.
- Chairman, “Prostate cancer”, *4th Nordic Brachytherapy Working Conference*, Copenhagen, Denmark, 6/98.
- Chairman, “Clinical Fractionation Studies”, *Annual Meeting of the Association for Radiation Research and the 28th Annual Meeting of the European Society for Radiation Research*, Oxford, UK 9/97.
- Co-chairman, “Head and Neck Cancer”, *9th Europ Conf on Clinical Oncology*, Hamburg, Germany 9/97.
- Chairman, “Models for Normal-Tissue Complication Probability” *L.H. Gray Trust – British Oncological Association Workshop on Normal-Tissue Effects in Radiotherapy: Physics Meets Biology*, Betchworth, UK 7/97.
- Chairman, “Clinical studies”, *1st Scandinavian Symposium in Radiation Oncology*, Rosendal, Norway 5/97.
- Chairman, workshop “Patient-to-patient variability in the Response to Radiotherapy”, *Radiation Research Society*, Providence, RI, USA 5/97.
- Moderator of the workshop “Predictive assays in radiobiology” *Symposium on Experimental Clinical Oncology*, Aarhus, Denmark 1/97.
- Chairman, “Are the predictive assays predictive?” *15th Annual Meeting of the ESTRO*, Vienna, Austria 9/96.
- Chairman, “Clinical and experimental studies” *German-Polish Conference on Early and Late Complications after Combined Treatment of Cancer Disease*, Ustron, Poland 9/96.
- Panel Moderator, “Do predictive assays have a future in radio-therapy?”. *Seminar on Predictive Assays*, Corsendonk, Belgium 6/95.
- Chairman and organizer of the ESTRO debate “Is shorter always better even at the expense of dose?”. *13th Annual Meeting of the ESTRO*, Granada, Spain 9/94.
- Delivering the plenary report from the Workshop on Radiobiology at the *Fourth Biennial Meeting of the International Gynecologic Cancer Society*, Stockholm, Sweden 9/93.
- Chairman, “Parameter estimation” *Intl Workshop on Modelling in Clinical Radiobiology*, Würzburg, Germany 4/93.
- Chairman, prof. paper session “Prognostic Factors”. *11th Annual Meeting of the ESTRO*, Malmö, Sweden 9/92.
- Chairman, “Radioresistance”. *Danish Society for Medical Oncology, Resistance to Cancer Therapy*, Helsingør, Denmark 1/92.
- Co-chairman, prof. paper session “Mechanisms of Cell Killing; Prediction of Tumor Response”. *9th Ann. Meeting of the ESTRO*, Montecatini, Italy 9/90.

Proffered Oral/Poster Presentations: >600 (1979-present), half as as presenting author + **Invited Presentations**, see after Publication List

SCIENTIFIC PUBLICATIONS IN ENGLISH

PUBLICATION STATISTICS:

- Total number of publications: **522** (excluding published abstracts)
 - Sole authorships 39
 - First authorships 91
 - Senior authorships 78
- 414 peer-reviewed original research papers or scientific reviews (marked with a ☆ in the bibliography)
- 108 books/book chapters/scientific correspondence/invited editorials

CITATION METRICS (June 2021):

- Google Scholar Citations:
 - Hirsch index (h-index) **104**
 - Total citations >41,000
- Scopus:
 - Hirsch index (h-index) **88**
 - Total citations >26,000

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- 496☆ NG Holtzman, HM Xie, **SM Bentzen**, V Kesari, A Bukhari, F El Chaer, F Lutfi, J Siglin, E Hutnick, N Gahres, K Ruehle, H Ahmad, C Shanholtz, MH Kocoglu, AZ Badros, JA Yared, NM Hardy, AP Rapoport & S Dahiya: Immune Effector Cell-Associated Neurotoxicity Syndrome (ICANS) after CD19 chimeric antigen receptor T-cell therapy for large B-cell lymphoma: Predictive biomarkers and clinical outcomes. *Neuro-Oncology* **23**: 112–21 (2021).
- 497☆ A Koroulakis, J Molitoris, A Kaiser, N Hanna, A Bafford, Y Jiang, **SM Bentzen** & WF Regine: Reirradiation for rectal cancer using intensity modulated proton therapy: a single institutional experience. *Advances in Radiation Oncology* **6**: 100595, [7 pages] (2021).
- 498☆ R Khairnar, SL Pugh, HM Sandler, WR Lee, EV Olives, CD Mullins, FB Palumbo, DW Bruner, FT Shaya, **SM Bentzen**, AB Shah, S Malone, JM Michalski, IS Dayes, SA Seaward, M Albert, AD Currey, TM Pisansky, Y Chen, EM Horwitz, AS DeNittis, FY Feng, & MV Mishra: Mapping expanded prostate cancer index composite to EQ5D utilities to inform economic evaluations in prostate cancer: secondary analysis of NRG/RTOG 0415. *PLOS ONE* **16**(4): e0249123, [13 pages] (2021).
- 499☆ F-M Kong, V Moiseenko, Jing Zhao, MT Milano, L Li, A Rimner, S Das, AX Li, M Miften, Z Liao, M Martel, **SM Bentzen**, A Jackson, J Grimm, LB Marks & E Yorke: Organs at risk consideration for thoracic stereotactic body radiation therapy: What is safe for lung parenchyma? *International Journal of Radiation Oncology Biology Physics* **110**: 172–87 (2021).
- 500☆ MT Milano, JA Vargo, ED Yorke, CM Ronckers, LC Kremer, SMJ Chafe, HM van Santen, LB Marks, **SM Bentzen**, LS Constine & IR Vogelius: Risks of hypothyroidism following radiotherapy in survivors of pediatric malignancy: Results from the Pediatric Normal Tissue Effects (PENTEC) initiative. *International Journal of Radiation Oncology Biology Physics* (in press).

- 501 ☆ BS Moses, S McCullough, JM Fox, BT Mott, **SM Bentzen**, MJ Kim, JW Tyner, RG Lapidus, A Emadi, MA Rudek, TJ Kingsbury & CI Civin: Antileukemic efficacy of a potent artemisinin combined with sorafenib and venetoclax. *Blood Advances* 5: 711–24 (2021).
- 502 ☆ RG Nowak, TA Liska, **SM Bentzen**, E Kim, T Chipato, RA Salata, DD Celentano, CS Morrison & PE Gravitt: Herpes Simplex Virus Type-2 shedding and genital ulcers during early HIV in Zimbabwean women. *Journal of Acquired Immune Deficiency Syndrome* (in press).
- 503 ☆ R Pötter, K Tanderup, MP Schmid, I Jürgenliemk-Schulz, C Haie-Meder, LU Fokdal, AE Sturdza, P Hoskin, U Mahantshetty, B Segedin, K Bruheim, F Huang, B Rai, R Cooper, E van der Steen-Banasik, E Van Limbergen, BR Pieters, LT Tan, RA Nout, AAC De Leeuw, R Ristl, P Petric, N Nesvacil, K Kirchheiner, C Kirisits, JC Lindegaard & EMBRACE Collaborative Group [**SM Bentzen**, collaborator]: MRI-guided adaptive brachytherapy in locally advanced cervical cancer (EMBRACE-I): a multicentre prospective cohort study. *Lancet Oncology* 22: 538–47 (2021).
- 504 ☆ AD Rao, K Sun, M Zhu, S Mossahebi, T Houser, J Jatczak, M Zakhary, WF Regine, R Miller, **SM Bentzen** & M Mishra: Plan quality effects of maximum monitor unit constraints in pencil beam scanning proton therapy for central nervous system and skull base tumors. *Radiotherapy and Oncology* (in press).
- 505 ☆ JH Rasmussen, AB Olin, G Lelkaitis, AE Hansen, FL Andersen, HH Johannesen, A Kjaer, BM Fischer, L Specht, **SM Bentzen**, C von Buchwald, I Wessel & IR Vogelius: Intratumor heterogeneity is biomarker specific and challenges the association with heterogeneity in multimodal functional imaging in head and neck squamous cell carcinoma. *European Journal of Radiology* (in press).
- 506 ☆ TVD Sanses, S Pearson, D Davis, CC Chen, **SM Bentzen**, J Guralnik, HE Richter & AS Ryan: Physical performance measures in older women with urinary incontinence: pelvic floor disorder or geriatric syndrome? *International Urogynecology Journal* 32: 305–15 (2021).
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- 508 ☆ MA Vyfhuis, I Suzuki, **SM Bentzen**, KJ Cullen & OG Goloubeva: Adherence to Guideline-Concordant Care and Its Effect on Survival in Black patients with Head and Neck Cancers: A SEER-Medicare Analysis. *Oncologist* (in press).
- 509 ☆ RH Younis, I Ghita, M Elnaggar, , R Chaisuparat, V Theofilou, D Dyalram, R Ord, E Davila, LJ Tallon, J Papadimitriou, TJ Webb, **SM Bentzen** & J Lubek: Soluble Sema4D in plasma of head and neck squamous cell carcinoma patients is associated with underlying non-inflamed tumor profile. *Frontiers in Immunology* (in press).
- 510 ☆ H Paganetti, C Beltran, **SM Bentzen**, S Both, L Dong, J Flanz, K Furutani, C Grassberger, D Grosshans, A-C Knopf, J Langendijk, H Nyström, K Parodi, B Raaymakers, C Richter, G Sawakuchi, J Schippers, S Shaitelman, K Teo, J Unkelbach, P Wohlfahrt & A Lomax: Roadmap: Proton therapy 2020 and beyond. *Physics in Medicine and Biology* (in press).

BOOK REVIEWS / SCIENTIFIC PAPERS IN DANISH / OTHER PUBLICATIONS

1. **SM Bentzen**, KR Ennow, P Franklin, J Hvolby, KA Jessen, F Laursen & H Simonsen: Uddannelse i Medicinsk Fysik i Danmark. (Report from the Committee on Medical Physics Education in Denmark), Danish Association for Medical Physics (1985).
2. **SM Bentzen**: Medical physics in Denmark. *Medical Physics World* 2, No. 2, 4 (1986).
3. **SM Bentzen**: Book review: "M D'Incalci, A Mantovani, and S Garattini: Heterogeneity of cancer cells". *Acta Oncologica*, 33, 990 (1994).
4. L Frost, RS Pedersen, **SM Bentzen**, H Bille & HE Hansen: Kort- og langtidsprognose ved akut dialyse-krævende nyresvigt. En analyse af 419 konsekutive patienter. *Ugeskrift for Læger* 157, 1171-1176 (1995).
5. T Bundgaard, **SM Bentzen** & J Wildt: Tobaks- og alkoholforbrug som prognostiske faktorer ved oral cancer. *Ugeskrift for Læger* 157, 4819-4822 (1995).
6. **SM Bentzen**: Book review: "D.R Wigg: Applied radiobiology and bioeffect planning". *International Journal of Radiation Biology* 78, 877, (2002).
7. **SM Bentzen**: The Quantified Impact of Reputation on the U.S. News Best Hospital List – News Analysis. *The Cancer Letter* 31 (Aug. 5): 1–2 (2016)
8. **SM Bentzen**: Supersize it: Big Data comes to radiation oncology research. *ASTRONews Fall 2016*: 14–15 (2016).

BOOKS EDITED

1. Minesh Mehta, Bhudatt R Paliwal & **Søren M Bentzen** (eds.):
Physical, Chemical and Biological Targeting in Radiation Oncology, Seventh International Conference on Dose, Time and Fractionation in Radiation Oncology, 341 pp. ISBN: 978-1-888340-53-2, Medical Physics Publishing, Madison, WI (2005).
2. **Søren M Bentzen**, Paul M Harari, Wolfgang A Tomé & Minesh P Mehta, (eds.):
Radiation Oncology Advances, volume 139 in the series "Cancer Treatment and Research" (Steven T. Rosen, series editor), 344 pp., 40 illus., 10 in color. Hardcover. ISBN: 978-0-387-36743-9, Springer, New York, NY (2008)

VISITING PROFESSORSHIPS

1. Harvard Medical School, Dept. of Radiation Oncology, Massachusetts General Hospital, Boston, MA, 1988.
2. University of Wisconsin, Dept. of Human Oncology, UW Clinical Cancer Center, Madison, WI, 1990.
3. University of Texas, Dept. of Biomathematics, M.D. Anderson Cancer Center, Houston, TX, 1990.
4. Radiotherapy Department, Het Nederlands Kanker Instituut, Amsterdam, Netherlands, June 1990.
5. Warszawa University, Maria Skłodowska-Curie Memorial Cancer Center, Warszawa, Poland, 1991.
6. University of Texas, Dept. of Radiotherapy, M.D. Anderson Cancer Center, Houston, TX, 1991.
7. University of Copenhagen, Dept. of Oncology, Herlev Sygehus, Herlev, Denmark, 1991.
8. Warszawa University, Maria Skłodowska-Curie Memorial Cancer Center, Warszawa, Poland, 1992.
9. University of Texas, Dept. of Biomathematics, M.D. Anderson Cancer Center, Houston, TX, 1993.
10. University of Freiburg, Radiologische Universitätsklinik, Freiburg, Germany, 1994.
11. Technischen Universität, München, Forschungszentrum für Umwelt und Gesundheit, München, Germany, 1994.
12. Syddansk Universitet, Department of Oncology, Vejle Sygehus, Vejle, Denmark, 1995.
13. University of Manchester, Dept. of Radiotherapy, Christie Hospital, Manchester, England, 1995.
14. University of Queensland, Queensland Institute for Medical Research, Brisbane, Queensland, Australia, 1995.
15. University of Odense, Dept. of Oncology, Odense University Hospital, Odense, Denmark, 1996.
16. University of Texas, Dept. of Experimental Radiotherapy, UT M.D. Anderson Cancer Center, Houston, TX, 1996.
17. Dept. of Radiotherapy, Memorial Sloan-Kettering Cancer Center, New York, NY, USA, May 1996.
18. Oncology Institute of Southern Switzerland, Dept. of Radiotherapy, Bellinzona, Switzerland, 1997.
19. Harvard Medical School, Dept. of Radiation Oncology, Massachusetts General Hospital, Boston, MA, USA, 1997
20. University of Manchester, Christie Hospital & Holt Radium Institute, Manchester, England, 1999.
21. University of Oxford, Dept. of Radiotherapy, Churchill Hospital, England, 1999.
22. University of Texas, Dept. of Biomathematics, MD Anderson Cancer Center, Houston, TX, 2000.
23. Harvard Medical School, Dept. of Radiation Oncology, Massachusetts General Hospital, Boston, MA, 2001.
24. Oncology Institute of Southern Switzerland, Bellinzona, Switzerland, 2001.
25. University of Michigan, Dept. of Radiation Oncology, Ann Arbor, MI, 2001.
26. Dept. of Radiation Oncology, Memorial Sloan-Kettering Cancer Center, New York, NY, 2002.
27. Washington University, Radiation Oncology Center, Mallinckrodt Institute of Radiology, St Louis, MO, 2002.
28. University of Utrecht, Graduate School for Biomedical Image Sciences, Netherlands, 2003.
29. University of Wisconsin, Dept. of Human Oncology, UW Comprehensive Cancer Center, Madison, WI, 2004.
30. Cardiff University, Velindre Cancer Centre, Cardiff, Wales, 2004.
31. University of Melbourne, Peter MacCallum Cancer Centre, Melbourne, Victoria, Australia, 2005.
32. University of Sydney, Royal Prince Alfred Hospital, Dept. of Radiotherapy, Sydney, NSW, Australia, 2005.
33. University of Auckland, Oncology Department, Auckland City Hospital, Auckland, New Zealand, 2005.
34. Catholic University of Rome, Dept. of Radiation Oncology, Istituto Regina Elena, Rome, Italy, 2006.
35. University of Maastricht, Dept. of Radiotherapy, MASTRO Clinic, Maastricht, Netherlands, 2006.
36. University of Texas, MD Anderson Cancer Center, Houston, TX, USA, 2006.
37. Università Cattolica del Sacro Cuore, Rome, Italy, 2007.
38. University of British Columbia, BC Cancer Agency, Vancouver, BC, Canada, 2007.
39. Hokkaido University School of Medicine, Department of Radiology, Sapporo, Japan, 2007
40. Università Cattolica del Sacro Cuore, Rome, Italy, 2008.
41. McGill University, Dept. of Radiotherapy, Montreal, QC, Canada, 2008.
42. University of Texas, MD Anderson Cancer Center, Dept. of Radiotherapy, Houston, TX, USA, 2008.
43. Harvard Medical School, Dept. of Radiation Oncology, Massachusetts General Hospital, Boston, MA, 2008.
44. University of Aarhus, Dept. of Oncology, Aalborg Sygehus, Aalborg, Denmark, 2009.
45. University of Western Ontario, Dept. of Medical Physics, London, ON, Canada, 2009.
46. University of Toronto, Dept. of Radiotherapy, Toronto, ON, Canada, 2010.

47. Washington University, Radiation Oncology Center, Mallinckrodt Institute of Radiology, St Louis, MO, 2011.
48. University of Melbourne, Peter MacCallum Cancer Centre, Melbourne, VIC, Australia, 2011.
49. University of Sydney, Institute of Medical Physics, Sydney, NSW, Australia, 2011.
50. Duke University Medical School, Dept. of Radiation Oncology, Durham, NC, USA, 2011.
51. University of Maryland, School of Medicine, Dept. of Radiation Oncology, Baltimore, MD, USA, 2013.
52. Università Cattolica del Sacro Cuore, Rome, Italy, 2013.
53. Lund University, Dept. of Radiotherapy, Lund, Sweden, 2013.
54. Memorial Sloan Kettering Cancer Center, Dept. of Epidemiology and Biostatistics, New York, NY, USA, 2015.
55. Trinity College Dublin, Discipline of Radiation Therapy, Dublin, Ireland, 2018.

INVITED LECTURES

1. 11th Nordic Meeting on Clinical Physics. Copenhagen, Denmark, May 1983.
2. Symposium on CT-based Treatment Planning. Danish Society for Oncology, Copenhagen, Denmark, Sep 1984.
3. Symposium on Medical Imaging. Danish Society for Medical Physics, Ebeltoft, Denmark, Apr 1985.
4. Symposium on Behaviour of Trabecular Bone, Scandinavian Orthopaedic Association, Copenhagen, Denmark, May 1986.
5. NOVO Osteoporosis Symposium, Copenhagen, Denmark, May 1986.
6. Danish Society for Diagnostic Radiology, Annual Meeting, Aarhus, Denmark, Sep 1986.
7. Institute of Physics, University of Aarhus, Denmark, Mar 1987.
8. 6th Annual ESTRO Meeting, Lisboa, Portugal, May 1987.
9. Dept. of Radiation Oncology, Massachusetts General Hospital, Boston, Massachusetts, USA, Aug 1988.
10. 7th Annual ESTRO Meeting, Den Haag, the Netherlands, Sep 1988.
11. 15th L.H. Gray Conference, Canterbury, UK, Apr 1989.
12. Dept. of Human Oncology, UW Clinical Cancer Center, Madison, Wisconsin, USA, Feb 1990.
13. Dept. of Biomathematics, UT M.D. Anderson Cancer Center, Houston, Texas, USA, Mar 1990.
14. Spring Meeting, Danish Society for Oncology, Middelfart, Denmark, Apr 1990.
15. Radiotherapy Department, Het Nederlands Kanker Instituut, Amsterdam, the Netherlands, Jun 1990.
16. 9th Annual ESTRO Meeting, Montecatini, Italy, Sep 1990.
17. Autumn Meeting, Danish Society for Oncology, Middelfart, Denmark, Dec 1990.
18. The Urologists' Club, Skejby Sygehus, Aarhus, Denmark, Feb 1991.
19. Dept. of Oncology, Maria Skłodowska-Curie Memorial Cancer Center, Warszawa, Poland, Mar 1991.
20. Scandinavian Society for Head and Neck Oncology, 3rd Annual Meeting, Copenhagen, Denmark, Apr 1991.
21. Dept. of Radiotherapy, UT M.D. Anderson Cancer Center, Houston, Texas, USA, Jun 1991.
22. Dept. of Oncology, Herlev Sygehus, Herlev, Denmark, Oct 1991.
23. Int'l Symposium on Acute and Long-Term Side-Effects of Radiotherapy, Freiburg, Germany, Oct 1991.
24. 40th Annual Meeting of the Radiation Research Society, Salt Lake City, Utah, USA, Mar 1992.
25. 11th Annual ESTRO Meeting, Malmö, Sweden, Sep 1992.
26. Dept. of Oncology, Maria Skłodowska-Curie Memorial Cancer Center, Warszawa, Poland, Nov 1992.
27. 8th Conf. Clinical and Experimental Research in Radiation Oncology, St. Martin de Belleville, France, Jan 1993.
28. 1st Round Top Radiation Workshop: Future Directions for Predictive Assays, Round Top, Texas, USA, Mar 1993.
29. Dept. of Biomathematics, UT M.D. Anderson Cancer Center, Houston, Texas, USA, Mar 1993.
30. International Workshop on Modelling in Clinical Radiobiology, Würzburg, Germany, Apr 1993.
31. Tumour and Normal Tissue Clonogen Repopulation in Daily Practice, Corsendonk, Belgium, Jun 1993.
32. International Congress of Radiation Oncology, ICRO 1993, Kyoto, Japan, Jun 1993.
33. Radiation Effects Research Foundation, Hiroshima, Japan, Jun 1993.
34. 4th Biennial Meeting of the International Gynecologic Cancer Society, Stockholm, Sweden, Sep 1993.
35. "Radiotherapy in hematologic disease", Danish Society for Hematology, Copenhagen, Denmark, Dec 1993.
36. European Society for Radiation Biology, Amsterdam, the Netherlands, Jun 1994.
37. Radiologische Universitätsklinik, Freiburg, Germany, Aug 1994.
38. Forschungszentrum für Umwelt und Gesundheit & Technischen Universität, München, Germany, Sep 1994.
39. 13th Annual ESTRO Meeting, Granada, Spain, Sep 1994.
40. "Brachytherapy", Danish Society for Medical Physics, Aarhus, Denmark, Oct 1994.
41. 4th Symp. Experimentelle Strahlentherapie und klinische Strahlenbiologie, Hamburg, Germany, Feb 1995.
42. Dept. of Oncology, Vejle Sygehus, Vejle, Denmark, Feb 1995.
43. Dept. of Radiotherapy, Christie Hospital, Manchester, UK, Apr 1995.
44. Cellular and Molecular Biology in Predictive Assays, Corsendonk, Belgium, Jun 1995.
45. 10th International Congress of Radiation Research, Würzburg, Germany, Aug 1995.
46. Queensland Institute for Medical Research, Brisbane, Queensland, Australia, Sep 1995.

47. ANZAAS '95 Congress, Australian and New Zealand Ass. for the Advancement of Science, Newcastle, NSW, Australia, Sep 1995.
48. 3rd Biennial ESTRO Meeting on Physics in Clinical Radiotherapy, Gardone Riviera, Italy, Oct 1995.
49. 8th European Conference on Clinical Oncology (ECCO), Paris, France, Oct 1995.
50. Danish Society for Oncology, Meeting on Radiobiology, Middelfart, Denmark, Dec 1995.
51. Dept. of Oncology, Odense University Hospital, Odense, Denmark, Jan 1996.
52. Dept. of Experimental Radiotherapy, UT M.D. Anderson Cancer Center, Houston, Texas, USA, May 1996.
53. Dept. of Radiotherapy, Memorial Sloan-Kettering Cancer Center, New York, New York, USA, May 1996.
54. 12th Workshop, Physical Aspects of Total Body Irradiation, Deutsche Gesellschaft für Medizinische Physik, Aarhus, DK, Jun 1996.
55. German-Polish Conf on Early and Late Complications after Combined Treatment of Cancer Disease, Ustron, Poland, Sep 1996.
56. 15th Annual ESTRO Meeting, Vienna, Austria, Sep 1996.
57. International Symposium on Experimental Clinical Oncology, Aarhus, Denmark, Jan 1997.
58. Dept. of Urology, Skejby University Hospital, Aarhus, Denmark, Feb 1997.
59. Dept. of Radiotherapy, Ospedale San Giovanni, Bellinzona, Switzerland, Apr 1997.
60. Debate on Randomized Trials, Danish Cancer Society Clinical Research Unit, Aarhus, Denmark, Apr 1997.
61. 45th Annual Meeting of the Radiation Research Society, Providence, Rhode Island, USA, May 1997.
62. Dept. of Radiation Oncology, Massachusetts General Hospital, Boston, Massachusetts, USA, May 1997
63. 1st Scandinavian Symposium on Radiation Oncology, Rosendal, Norway, May 1997.
64. LH Gray Trust/Brit Oncol Ass Workshop: Normal Tissue Effects in Radiother: Physics Meets Biology, Betchworth, UK, Jul 1997.
65. Finnish Oncological Society, 3rd Annual Meeting, Kuopio, Finland, Aug 1997.
66. 9th European Conference on Clinical Oncology (ECCO), Hamburg, Germany, Sep 1997.
67. European Radiation Research '97, European Society for Radiation Biology, Oxford, UK, Sep 1997.
68. Nordic User Group Meeting, Helax-TMS, Aarhus, Denmark, Nov 1997.
69. Radiation Research 1998, Association for Radiation Research, Lancaster, UK, Mar 1998.
70. Annual Research Debate 1998, The Patient Involvement Unit Research Team, Northwood, UK, Apr 1998.
71. Danish Society for Oncology, Meeting on Lung Cancer, Middelfart, Denmark, Apr 1998.
72. Radiology 1998, British Institute of Radiology, Birmingham, UK, Jun 1998.
73. 4th Nordic Brachytherapy Working Conference, Copenhagen, Denmark, Jun 1998.
74. "Towards the eradication of osteosarcoma metastases. An odyssey", The Coastal Express, Norway, Aug 1998.
75. ESTRO Pre-conference Workshop on Radiobiology, Edinburgh, Scotland, UK, Sep 1998.
76. 17th Annual ESTRO Meeting, Edinburgh, Scotland, UK, Sep 1998.
77. "New Ideas on Fractionation", British Institute of Radiology, London, UK, Nov 1998.
78. 20th Anniversary Meeting, Dutch Society for Radiation Oncology, Maastricht, the Netherlands, Nov 1998.
79. Dept. of Clinical Oncology, Christie Hospital & Holt Radium Institute, Manchester, UK, Jan 1999.
80. "Management of the Axilla in Breast Cancer", 1st Acta Oncologica & Mary Bévés Symposium, Geilo, Norway, Mar 1999.
81. Dept. of Radiotherapy, Churchill Hospital, University of Oxford, UK, Apr 1999.
82. Symposium "Radiotherapy today", University Hospital Leuven, Belgium, May 1999.
83. 11th International Congress of Radiation Research, Dublin, Ireland, Jul 1999.
84. International Symposium on Radiation-induced Lung Damage, Dresden, Germany, Jul 1999.
85. "Prostate Cancer Management", Faculty of Oncology, Royal College of Radiologists, London, UK, Sep 1999.
86. New South Wales Cancer Council, Sydney, New South Wales, Australia, Oct 1999.
87. 50th Annual Scientific Meeting, Royal Australian and New Zealand College of Radiologists, Sydney, NSW, Australia, Oct 1999.
88. 1st Int'l Conf on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Lugano, Switzerland, Mar 2000.
89. Second International Consensus Workshop on Palliative Radiotherapy, London, UK, Apr 2000.
90. CHART Study Day, Royal College of Radiologists, London, UK, Jun 2000.
91. Meeting of the British Oncology Data Managers' Association (South Region), Northwood, UK, Jul 2000.
92. Dept. of Biomathematics, UT MD Anderson Cancer Center, Houston, Texas, USA, Aug 2000.
93. European Radiation Research 2000, European Society for Radiation Biology, Warszawa, Poland, Aug 2000.
94. 19th Annual ESTRO Meeting, Istanbul, Turkey, Sep 2000.

95. ASTRO/ESTRO International Bone Metastases Consensus Meeting on End Point Measurements, Boston, MA, USA, Oct 2000.
96. MITRE 2000, Morbidity in Radiotherapy, Brussels, Belgium, Dec 2000.
97. Symposium on Lung Cancer, Thorn, the Netherlands, Jan 2001.
98. International Congress on Radiation Oncology, ICRO 2001, Melbourne, Victoria, Australia, Jan 2001.
99. IMRT 2001, VARIAN Satellite Symposium, ICRO 2001, Melbourne, Victoria, Australia, Jan 2001.
100. 5th Conf. on Advances in Radiation Oncology, Polish Society for Radiation Oncology, Poznan, Poland, Apr 2001.
101. Dept. of Radiation Oncology, Massachusetts General Hospital, Boston, Massachusetts, USA, May 2001.
102. 4th Nordic Conference on Radiation Oncology, Aarhus, Denmark, Jun 2001.
103. 1st ESTRO Workshop on Radiobiology, Fuglsø, Denmark, Jun 2001.
104. Oncology Institute of Southern Switzerland, Bellinzona, Switzerland, Aug 2001.
105. XI National Congress of the Spanish Association for Radiotherapy and Oncology, Murcia, Spain, Oct 2001.
106. 11th European Conference on Clinical Oncology (ECCO), Lisbon, Portugal, Oct 2001.
107. Dept. of Radiation Oncology, Ann Arbor, Michigan, USA, Oct 2001.
108. 43rd Annual ASTRO Meeting, San Francisco, California, USA, Nov 2001.
109. Dept. of Radiation Oncology, Memorial Sloan-Kettering Cancer Center, New York, NY, USA, Jan 2002.
110. Radiation Oncology Center, Mallinckrodt Institute of Radiology, Washington University, St Louis, Missouri, USA, Jan 2002.
111. "RT 2010: Improved Visualization, Evaluation, and Targeting of Cancer and Potential Application to the Treatment of Metastatic Disease", Varian Medical Systems Workshop, Scottsdale, AZ, USA, Jan 2002.
112. Hong Kong College of Radiologists and Society of Radiotherapy & Oncology, Hong Kong, China, Feb 2002.
113. 7th National Cancer Conference, Egyptian Cancer Society & Department of Health, Luxor, Egypt, Mar 2002.
114. LENT IV: Late Effects Criteria and Applications Workshop, NCI, RTOG, ASTRO, ESTRO, St Petersburg Beach, FL, USA, Apr 2002.
115. 7th Intl. Meeting on Progress in Radio-Oncology, Austrian Society for Radio-oncology, Salzburg, Austria, May 2002.
116. "Standardisation of Breast Cancer Radiotherapy", Investigators Meeting, London, UK, May 2002.
117. 18th UICC International Cancer Congress, Oslo, Norway, Jul 2002.
118. 21st Annual ESTRO Meeting, Prague, Czech Republic, Sep 2002.
119. "International Symposium on Kinetics and Mechanisms of Repopulation during RT", Dresden, Germany, Sep 2002.
120. "Norsk Stråleterapimøte 2002", Norwegian Forum for Radiation Medicine, Stavanger, Norway, Oct 2002.
121. "Clinical IMRT in Europe", Inst f Radiation Oncology, Donaushospital & Ludwig Boltzmann Gesellschaft, Vienna, Austria, Nov 2002.
122. 40th Anniversary Meeting, Danish Society for Oncology, Middelfart, Denmark, Nov 2002.
123. IMAGO, Graduate School for Biomedical Image Sciences, University of Utrecht, the Netherlands, Jan 2003.
124. Meeting of the Dutch Society for Clinical Physics, Deventer, the Netherlands, Jan 2003.
125. Distinguished Lecture Series, Institute of Cancer Research, Sutton, UK, Feb 2003.
126. "RT 2010: Dose Distribution and Intensity in the Era of Targeted Therapeutics", Varian Medical Systems Workshop, Mauna Lani Bay, Big Island, HI, USA, Feb 2003.
127. "Innovations in Radiation Oncology – Precision and Effectiveness", Munich, Germany, Mar 2003.
128. 2nd Int'l Conf on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Lugano, Switzerland, Mar 2003.
129. 2nd UK Radiation Oncology Conference, Bath, UK, Apr 2003.
130. "Biological and Molecular Imaging for Treatment Planning and Monitoring in Oncology", Dresden, Germany, May 2003.
131. 12th International Congress of Radiation Research, Brisbane, QLD, Australia, Aug 2003.
132. Symposium on "Clinical Trials", Integral Kankercentrum Limburg, Born, the Netherlands, Sep 2003.
133. 7th Biennial ESTRO Meeting on Physics and Radiation Technology for Clinical Radiotherapy, Geneva, Switzerland, Sep 2003.
134. 12th European Conference on Clinical Oncology, Copenhagen (ECCO), Denmark, Sep 2003.
135. 45th Annual ASTRO Meeting, Salt Lake City, Utah, USA, Oct 2003.
136. "Radiobiology: from Bench to Bedside", National Translational Cancer Research Network (NTRAC), Northwood, UK, Nov 2003.
137. Meeting of the Italian Federation for Radiation Research/Italian Society for Radiation Research, Padua, Italy, Nov 2003.
138. Oncology Forum 2003, Bergen, Norway, Nov 2003.
139. "Advances in Radiation Oncology: Harnessing Modern Biology & New Technology", ESTRO Conf, Dresden, Germany, Nov 2003.
140. St. Andrews Oncology Symposium, St. Andrews, Scotland, UK, Feb 2004.

141. Symp on 3D Brachytherapy in Advanced Cervical Cancer, Nordic Society for Gynaecologic Oncology, Oslo, Norway, Apr 2004.
142. "Blue Skies One Day Meeting", Royal College of Radiologists, London, UK, Apr 2004.
143. Danish Society for Oncology, Middelfart, Denmark, Apr 2004.
144. Association for Radiation Research, Gt. Missenden, UK, May 2004.
145. Dept. of Human Oncology, UW Comprehensive Cancer Center, Madison, WI, USA, May 2004.
146. LENT V: Surrogate Biomarkers for Late Effects, Rochester, NY, USA, May 2004.
147. "Late Effects of Radiotherapy", British Institute of Radiology, London, UK, May 2004.
148. 5th Nordic Conference on Radiation Oncology, Bergen, Norway, Jun 2004.
149. "Radiotherapy in Public Health Policy", Workshop, Brussels, Belgium, Jun 2004.
150. National Cancer Congress, Chilean Cancer Society, Valdivia, Chile, Sep 2004.
151. "Highlights in Basic and Translational Cancer Research", Symposium marking the 90th Anniversary of the Daniel den Hoed Cancer Center, Rotterdam, The Netherlands, Sep 2004.
152. "Towards the Light", Symp in Memory of Nobel Laureate Niels Finsen, University Hospital, Copenhagen, Denmark, Sep 2004
153. 46th Annual ASTRO Meeting, Atlanta, GA, USA, Oct 2004.
154. 23rd Annual ESTRO Meeting, Amsterdam, the Netherlands, Oct 2004.
155. "Identifying target molecules to help normal cells escape death after RT", International Atomic Energy Agency (IAEA), Technical Meeting, Amsterdam, The Netherlands, Oct 2004.
156. 29th Annual meeting of the European Society for Medical Oncology (ESMO), Vienna, Austria, Oct 2004.
157. Velindre Cancer Centre, Cardiff, Wales, Nov 2004.
158. Annual Meeting of the AAPM New England Chapter, Salem, MA, USA, Jun 2005.
159. 7th AACR/ASCO/FECS Workshop on Methods in Clinical Cancer Research, Flims, Switzerland, Jun 2005.
160. 47th Annual Meeting of the AAPM, Seattle, WA, USA, Jul 2005.
161. 7th Intl. Conference on Dose, Time and Fractionation in Radiation Oncology, Madison, WI, USA, Sep 2005.
162. 9th Biennial ESTRO Meeting on Physics and Radiation Technology for Clinical Radiotherapy, Lisbon, Portugal, Sep 2005.
163. XIIIth Scandinavian Congress on Clinical Physiology and Nuclear Medicine, Lund, Sweden, Sep 2005.
164. 47th Annual ASTRO Meeting, ARRO Introduction to Research Seminar, Denver, CO, USA, Oct 2005.
165. 29th Annual Conference on Engineering & the Physical Sciences in Medicine, Adelaide, Australia, Oct 2005.
166. Peter MacCallum Cancer Centre, Melbourne, VIC, Australia, Oct 2005.
167. Australasian College of Physical Scientists and Engineers in Medicine, Melbourne, Australia, Oct 2005.
168. Department of Radiotherapy, Royal Prince Alfred Hospital, Sydney, NSW, Australia, Oct 2005.
169. Oncology Department, Auckland City Hospital, Auckland, New Zealand, Oct 2005.
170. Department of Biostatistics, University of Wisconsin, Madison, WI, USA, Nov 2005.
171. 1st Danish Workshop on Particle Therapy in Oncology, Rigshospitalet, University of Copenhagen, Denmark, Nov 2005.
172. 3rd Int Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Lugano, Switzerland, Mar 2006.
173. "Modern RT, evidence-based medicine, statistical methodology", Università Cattolica del Sacro Cuore, Rome, Italy, Mar 2006.
174. Department of Radiation Oncology, Istituto Regina Elena, Rome, Italy, Mar 2006.
175. 5th Annual EGFR Summit, Boca Raton, FL, USA, May 2006.
176. 8th AACR/ASCO/FECS Workshop on Methods in Clinical Cancer Research, Flims, Switzerland, Jun 2006.
177. Department of Radiotherapy, MAASTRO Clinic, Maastricht, the Netherlands, Jul 2006.
178. The Rolf Wideroe Symposium, University of Oslo, Oslo, Norway, Sep 2006.
179. Department of Medical Physics, MD Anderson Cancer Center, Houston, TX, USA, Sep 2006.
180. Grand Round, University of Texas, MD Anderson Cancer Center, Houston, TX, USA, Sep 2006.
181. Experimental Radiation Oncology Seminar, University of Texas, MD Anderson Cancer Center, Houston, TX, USA, Sep 2006.
182. IMPORT Trials Launch Meeting, London, UK, Sep 2006.
183. 25th Annual ESTRO Meeting, Leipzig, Germany, Oct 2006.
184. 48th Annual ASTRO Meeting, Philadelphia, PA, USA, Nov 2006.
185. ARRO Introduction to Research Seminar, Philadelphia, PA, USA, Nov 2006.
186. ESTRO/GENEPI Workshop, Submission and Reviewing Systems for Radiotherapy Treatment Data, Brussels, Belgium, Dec 2006.

187. ASTRO/ASCO/American Head & Neck Society Multidisciplinary Head & Neck Cancer Symp, Palm Springs, CA, USA, Jan 2007.
188. "Image Guided Radiation Therapy", Universita Cattolica del Sacro Cuore, Rome, Italy, Mar 2007.
189. Spring Meeting, Swedish Oncological Society, Malmo, Sweden, Mar 2007.
190. "The Best in Radiation Oncology: Present and Future", Symposium, Maastricht, the Netherlands, Mar 2007.
191. Grand Round, Department of Radiation Therapy, University of British Columbia, Vancouver, BC, Canada, May 2007.
192. XVth International Conference on the Use of Computers in Radiotherapy, Toronto, ON, Canada, Jun 2007.
193. 9th AACR/ASCO/FECS Workshop on Methods in Clinical Cancer Research, Flims, Switzerland, Jun 2007.
194. 13th International Congress of Radiation Research, San Francisco, CA, USA, Jul 2007.
195. 49th Annual Meeting of the AAPM, Minneapolis, MN, USA, Jul 2007.
196. 4th Annual Colorectal Cancer Symposium, Vejle, Denmark, Sep 2007.
197. 14th European Conference on Clinical Oncology (ECCO), Barcelona, Spain, Sep 2007.
198. AAPM/ASTRO Workshop, Quantitative Analysis of Normal Tissue Effects in the Clinic (QUANTEC), Madison, WI, USA, Oct 2007.
199. Canadian Association of Radiation Oncology (CARO) Annual Meeting, Toronto, ON, Canada, Oct 2007.
200. International Commission on Radiation Units (ICRU), Annual Meeting, Florence, Italy, Oct 2007.
201. 49th Annual ASTRO Meeting, Los Angeles, CA, USA, Oct 2007.
202. ARRO Introduction to Research Seminar, Los Angeles, CA, USA, Oct 2007.
203. 17th International Symposium of the Hiroshima Cancer Seminar Foundation, Hiroshima, Japan, Nov 2007.
204. Department of Radiology, Hokkaido University School of Medicine, Sapporo, Japan, Nov 2007.
205. Grand Round, University of Wisconsin Paul P. Carbone Comprehensive Cancer Center, Madison, WI, USA, Jan 2008.
206. "Predicting Individual Radiation Sensitivity: Current and Evolving Technologies", Workshop supported by the NIAID Centers for Medical Countermeasures against Radiation, Columbia University, New York, NY, USA, Mar 2008.
207. "Modern RT, Symptom Control, Treatment Intensification", Universita Cattolica del Sacro Cuore, Rome, Italy, Apr 2008.
208. Annual Meeting, Danish Graduate School in Clinical Oncology, Vejle, Denmark, Apr 2008.
209. 46th Annual Meeting, Danish Society for Clinical Oncology, Vejle, Denmark, Apr 2008.
210. World Congress of Brachytherapy, Boston, MA, USA, May 2008.
211. 1st Nordic Breast Cancer Symposium 2008, Stavanger, Norway, May 2008.
212. Radiation Oncology Retreat, McGill University, Montreal, QC, Canada, May 2008.
213. 30th anniversary meeting of the Dutch Society of Radiation Oncology (NVRO), Zeist, the Netherlands, Jun 2008.
214. Inaugural lecture, University of Copenhagen, School of Medicine, Copenhagen, Denmark, Jun 2008.
215. IAEA Meeting, Altered Fractionation and Radiosensitization in Head and Neck Cancer Radiotherapy, Vienna, Austria, Jun 2008.
216. 50th Annual Meeting of the AAPM, Houston, TX, USA, Jul 2008.
217. 27th Annual ESTRO Meeting, Gothenburg, Sweden, Sep 2008.
218. ARRO Introduction to Research Seminar, Boston, MA, USA, Sep 2008.
219. 50th Annual ASTRO Meeting, Boston, MA, USA, Sep 2008.
220. 17th Annual Meeting of the Council on Ionizing Radiation Measurements and Standards (CIRMS), "Radiation Measurements and Standards at the Molecular Level", National Institute of Standards and Technology, Gaithersburg, MD, USA, Oct 2008.
221. Department of Medical Physics seminar, University of Wisconsin, Madison, WI, USA, Oct 2008.
222. ASTRO Workshop, Integration of Imaging and Radiation Oncology, National Cancer Institute, Rockville, MD, USA, Oct 2008.
223. Department of Medical Physics seminar, MD Anderson Cancer Center, Houston, TX, USA, Nov 2008.
224. Grand Round, Radiation Oncology, University of Texas, MD Anderson Cancer Center, Houston, TX, USA, Nov 2008.
225. Distinguished Alumnus Award Lecture, University of Texas, MD Anderson Cancer Center, Houston, TX, USA, Nov 2008.
226. Dr. Solomon Padam Singh Oration, 30th Ann Conf, Ass of Radiation Oncologists of India (AROI), Mumbai, India, Nov 2008.
227. Collins Lecture, Harvard Medical School, Boston, MA, USA, Dec 2008.
228. RTOG Semi-annual Meeting, New Orleans, LA, USA, Jan 2009.
229. 4th Int. Conf. on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Geneva, Switzerland, Mar 2009.
230. Department of Oncology, Aalborg Sygehus – Aarhus Universityhospital, Aalborg, Denmark, Mar 2009.
231. Asian Oncology Summit, Republic of Singapore, Apr 2009.
232. Vaeth Lecture, San Francisco Radiation Oncology Conference, San Francisco, CA, USA, Apr 2009.

233. Alan C Burton Lecture, University of Western Ontario, London, ON, Canada, Apr 2009.
234. Department of Medical Physics, Memorial Sloan-Kettering Cancer Center, New York, NY, USA, Apr 2009.
235. AAPM symposium: "Promises and Perils of Proton Radiotherapy", Baltimore, MD, USA, May 2009.
236. Radiotherapy 2021, Varian Symposium, Montreal, QC, Canada, May 2009.
237. Varian Lecture, Department of Radiation Oncology, University of Copenhagen, Denmark, Jun 2009.
238. Division of Human Health (NAHU) Seminar, International Atomic Energy Agency, Vienna, Austria, Jul 2009.
239. Australia AstraZeneca Oncology Symposium, Melbourne, VIC, Australia, Aug 2009.
240. Medical Physics and Biomedical Engineering, World Congress 2009, Munich, Germany, Sep 2009.
241. 8th Int. Conference on Dose, Time and Fractionation in Radiation Oncology, Madison, WI, USA, Sep 2009.
242. 15th European Conference on Clinical Oncology (ECCO), Berlin, Germany, Sep 2009.
243. "Prostate Cancer Meeting", Belgian Association for Radiation Oncology, Genk, Belgium, Oct 2009.
244. "Radiogenomics", 15th LH Gray Workshop, Manchester, UK, Nov 2009.
245. RTOG Semi-annual Meeting, Tampa, FL, USA, Jan 2010.
246. Grand Round, Dept. of Radiation Oncology, Princess Margaret Hospital, Toronto, ON, Canada, Feb 2010.
247. ASTRO/ASCO/American Head and Neck Society "Multidisciplinary Head and Neck Cancer Symp.", Chandler, AZ, USA, Feb 2010.
248. 48th Annual Meeting, Danish Society for Clinical Oncology, Vejle, Denmark, Apr 2010.
249. Annual Meeting, Danish Graduate School in Clinical Oncology, Vejle, Denmark, Apr 2010.
250. ASTRO Symposium "Current State of the Art Techniques for IMRT, IGRT, SBRT", Dallas, TX, USA, May 2010.
251. UK Medical Research Council (MRC) "Methodology Workshop on Radiotherapy", London, UK, May 2010.
252. ASCO Annual Meeting 2010, Chicago, IL, USA, Jun 2010.
253. ITART 2010, "Imaging for Treatment Assessment in Radiation Therapy", Washington DC, USA, Jun 2010.
254. Department of Radiation Oncology, University of Copenhagen, Denmark, Aug 2010.
255. NCI Workshop on Adaptive Clinical Trials in Radiation Oncology, Washington DC, USA, Sep 2010.
256. 29th Annual ESTRO Meeting, Barcelona, Spain, Sep 2010.
257. Canadian Association of Radiation Oncology (CARO) Annual Meeting, Vancouver, BC, Canada, Sep 2010.
258. 2nd Int. Radiogenomics Meeting, New York, NY, USA, Oct 2010.
259. XVIII National Cancer Congress, Chilean Cancer Society, Santiago, Chile, Oct 2010.
260. Niels R. Finsen's 150th Birthday Symposium, University of Copenhagen, Denmark, Dec 2010.
261. RTOG Semi-annual Meeting, San Diego, CA, USA, Jan 2011.
262. Grand Round, University of Wisconsin Carbone Cancer Center, Madison, WI, USA, Feb 2011.
263. 47th NCRP Ann Meeting, "Scientific and Policy Challenges of Particle Radiations in Medical Therapy and Space Missions", Washington DC, USA, Mar 2011.
264. ASTRO Symposium "Current State of the Art Techniques for IMRT, IGRT, SBRT", Las Vegas, NV, USA, Mar 2011.
265. "Prediction, Recognition, Evaluation and Eradication of Normal Tissue effects", Brussels, Belgium, Mar 2011.
266. Radiation Oncology Center, Mallinckrodt Institute of Radiology, Washington University, St Louis, MO, USA, Apr 2011.
267. UK Radiation Oncology Conference 2011, Manchester, UK, Apr 2011.
268. Farewell Conference - Begg & van der Kogel, Nijmegen, Netherlands, Apr 2011.
269. "Assessment, Modeling and Applications of Normal Tissue Response in Radiotherapy", MD Anderson Cancer Center, Round Top, TX, USA, May 2011.
270. 14th Int. Congress of Radiation Research, Warsaw, Poland, Aug 2011.
271. 16th European Conference on Clinical Oncology (ECCO), Stockholm, Sweden, Sep 2011.
272. MathBio3 Symposium, Wisconsin Institutes of Discovery, Madison, WI, USA, Sep 2011.
273. Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting, Melbourne, VIC, Australia, Oct 2011.
274. University of Melbourne, Peter MacCallum Cancer Centre, Melbourne, VIC, Australia, Oct 2011.
275. University of Sydney, Institute of Medical Physics, Sydney, NSW, Australia, Oct 2011.
276. Department of Radiation Oncology, Duke University Medical School, Durham, NC, USA, Oct 2011.
277. "Expanding Horizons of Medical Physics", AAPM Workshop, Madison, WI, USA, Dec 2011.
278. NCI Workshop on Radiation Therapy Clinical Trials, Washington DC, USA, Dec 2011.

279. The John and Birthe Meyer Copenhagen PET Symposium, University of Copenhagen, Denmark, Dec 2011.
280. Public Lecture: "Cancer Treatment in the XXI Century", CERN, Geneva, Switzerland, Feb 2012.
281. 5th Int. Conf. on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Geneva, Switzerland, Feb 2012.
282. 2nd Molecular Imaging in Radiation Oncology (MIRO) meeting, Vienna, Austria, Mar 2012.
283. 10th National Congress on Radiation Oncology, Antalya, Turkey, Apr 2012.
284. Nordic Society for Gynecologic Oncology, Tampere, Finland, Apr 2012.
285. 31st Annual ESTRO Meeting, Barcelona, Spain, May 2012.
286. World Congress of Brachytherapy, Barcelona, Spain, May 2012.
287. American Statistical Association Conference on Radiation and Health, Kennebunkport, ME, USA, Jun 2012.
288. MRI in Radiotherapy Symposium, University of Utrecht, the Netherlands, Jun 2012.
289. "The Zhejiang Province Seminar for Advancing Medical Research", Hangzhou, Peoples Republic of China, Jul 2012.
290. 54th Annual Meeting of the AAPM, Charlotte, NC, USA, Jul 2012.
291. 4th International Radiogenomics Meeting, Boston, MA, USA, Oct 2012.
292. ARRO Workshop "How to Review a Scientific Paper", Boston, MA, USA, Oct 2012.
293. 54th Annual ASTRO Meeting, Boston, MA, USA, Oct 2012.
294. RTOG Semi-annual Meeting, San Diego, CA, USA, Jan 2013.
295. Dept. of Radiation Oncology, University of Maryland, Baltimore, MD, USA, Jan 2013.
296. Pan American Health Organization, Seminar, Havana, Cuba, Feb 2013.
297. Symposium: "Imaging in Modern Radiotherapy and Diagnostics", Universita Cattolica del Sacro Cuore, Rome, Italy, Mar 2013.
298. 51st Annual Meeting, Danish Society for Clinical Oncology, Nyborg, Denmark, Apr 2013.
299. 2nd ESTRO Forum, Geneva, Switzerland, April 2013.
300. Opening Address, Department of Radiotherapy, University of Lund, Sweden, May 2013.
301. 6^{èmes} journées scientifiques du Cancéropôle Nord-Ouest, Deauville, France, May 2013.
302. Division of Biostatistics and Epidemiology, University of Maryland, Baltimore, MD, USA, May 2013.
303. 6th International Workshop for Pulmonary Functional Imaging, Madison, WI, USA, Jul 2013.
304. 55th Annual Meeting of the AAPM, Indianapolis, IN, USA, Aug 2013.
305. 9th International Conference on Dose, Time and Fractionation in Radiation Oncology, Madison, WI, USA, Sep 2013.
306. ARRO Workshop "How to Review a Scientific Paper", Atlanta, GA, USA, Sep 2013.
307. President's Symposium, 55th Annual ASTRO Meeting, Atlanta, GA, USA, Sep 2013.
308. 17th European Conference on Clinical Oncology (ECCO), Amsterdam, the Netherlands, Sep 2013.
309. Keynote lecture, "Research in Radiation Oncology", Deutschen Gesellschaft f. Radioonkologie, Frankfurt, Germany, Oct 2013.
310. 5th International Radiogenomics Meeting, Cambridge, UK, Oct 2013.
311. Horizons 2013: Connecting AAPM and Physical Sciences in Oncology Centers, Bethesda, Nov 2013.
312. KFJ Award lecture: "The digital revolution in cancer therapy", Rigshospitalet, University of Copenhagen, Denmark, Dec 2013.
313. 6th Int. Conf. on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Geneva, Switzerland, Feb 2014.
314. 33rd Annual ESTRO Meeting, Vienna, Austria, Apr 2014.
315. SBRT/SRS Conference, Minneapolis, MN, USA, May 2014.
316. Symposium on Cardiotoxicity of Cancer Therapy, Danish Cancer Society, Copenhagen, Denmark, Jun 2014.
317. ASTRO/NCI Consensus Workshop "The Future of Radiobiology in Radiation Oncology", Bethesda, MD, USA, Jul 2014.
318. 56th Annual Meeting of the AAPM, Austin, TX, USA, Jul 2014.
319. 60th Annual Meeting of the Radiation Research Society, Las Vegas, NV, USA, Sep 2014.
320. Denali Oncology Group, Fall Meeting, Anchorage, AK, USA, Sep 2014.
321. Keynote Lecture, Proton Therapy Cooperative Oncology Group – North America, Houston, TX, USA, Oct 2014.
322. Workshop on Statistical Issues in Biomarker and Drug Co-development, Canadian Statistical Sciences Institute, Fields Institute, Toronto, ON, Canada, Nov 2014.
323. Department of Epidemiology and Biostatistics, Memorial Sloan Kettering Cancer Center, New York, NY, USA, Feb 2015.
324. Symposium: "Radiation Oncology, Biology, Physics Research", Rutgers Cancer Institute, New Brunswick, NJ, Feb 2015.
325. Symposium on "Image Guided Radiotherapy for Head & Neck cancer", University of Utrecht, the Netherlands, Mar 2015.

326. 15th International Congress of Radiation Research, Kyoto, Japan, May 2015.
327. 7th International Radiogenomics Meeting, Montpellier, France, Jun 2015.
328. Jack Fowler's 90th Birthday Symposium, LH Gray Memorial Trust, London, UK, Jun 2015.
329. CARO Lecture 2015, Canadian Association of Radiation Oncology, Annual Meeting, Kelowna, BC, Canada, Sep 2015.
330. Public Lecture: "Radiation: Balancing Risks and Benefits", University of the Free State, Bloemfontein, South Africa, Sep 2015.
331. 53rd National Congress, South African Association of Physicists in Medicine and Biology, Bloemfontein, South Africa, Sep 2015.
332. 57th Annual ASTRO Meeting, San Antonio, TX, USA, Oct 2015.
333. Symposium: "Evolution in the clinical understanding of modern radiation oncology", University of Southern Denmark, Odense, Denmark, Nov 2015.
334. IAEA Technical Meeting, "Radiobiology of Charged Particle Therapy", Vienna, Austria, Nov 2015.
335. 7th Int'l Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology, Geneva, Switzerland, Feb 2016.
336. 29th Annual Meeting of the Danish Association for Cancer Research, Charlottenlund, Denmark, Apr 2016.
337. Int'l Summit on Biomarkers and Therapeutic Advances in Radiat Oncol, McGill University, Montreal, QC, Canada, Jun 2016.
338. 8th International Radiogenomics Meeting, Maastricht, the Netherlands, Jul 2016.
339. Royal College of Radiologists, Annual Scientific Meeting, London, UK, Sep 2016.
340. 58th Annual ASTRO Meeting, Boston, MA, USA, Sep 2016.
341. "Cancer in the Elderly", Danish Cancer Society Symposium, Copenhagen, Denmark, Nov 2016.
342. Expert Workshop on Radiobiology of Proton Therapy, Dresden, Germany, Nov 2016.
343. 36th Annual ESTRO Meeting, Vienna, Austria, May 2017.
344. UK Radiological and Radiation Oncology Congress 2017, Manchester, UK, Jun 2017.
345. International Conference on Advances in Radiation Oncology (ICARO2), IAEA, Vienna, Austria, Jun 2017.
346. Miami Cancer Institute, Dept. of Radiation Oncology, Miami, FL, USA, Jul 2017.
347. 59th Annual Meeting of the AAPM, Denver, CO, USA, Aug 2017.
348. Fowler-Scott Symposium, University of Oxford, UK, Sep 2017.
349. Workshop on "Defining the Shades of Gy: Utilizing the Biological Consequences of Radiation Therapy in the Development of New Treatment Approaches". Radiation Research Program, National Cancer Institute (NCI), Shady Grove, MD, USA, Sep 2017.
350. 59th Annual ASTRO Meeting, San Diego, CA, USA, Sep 2017.
351. 63rd Annual Meeting of the Radiation Research Society, Cancun, Mexico, Oct 2017.
352. 16th Seoul Radiation Oncology Symposium, Seoul, Republic of Korea, Oct 2017.
353. American College of Radiation Oncology Proton Therapy Symposium, Baltimore, MD, USA, Dec 2017.
354. Proton Therapy for Liver Cancer – Focus Meeting, Miami Cancer Center, Miami, FL, USA, Jan 2018.
355. 6th Øresund Workshop on Radiotherapy, Helsingborg, Sweden, Feb 2018.
356. MR-linac Workshop, Copenhagen, Denmark, Feb 2018.
357. AACR Radiation Science and Medicine Think Tank: Illuminating Technological Advances and Challenges in Precision Radiotherapies, Philadelphia, PA, USA, Jun 2018.
358. 10th International Radiogenomics Meeting, Manchester, UK, Jul 2018.
359. Workshop on Understanding High-Dose, Ultra-Dose-Rate and Spatial Fractionated Radiotherapy, National Cancer Institute, Bethesda, MD, USA, Aug 2018
360. Presidential Symposium, 64th Annual Meeting of the Radiation Research Society, Chicago, IL, USA, Sep 2018.
361. ICRP-ICRU joint meeting "Celebrating 90 Years of Expertise – Radiological Protection in the Next Decade", Stockholm, Sweden, Oct 2018.
362. 60th Annual ASTRO Meeting, San Antonio, TX, USA, Oct 2018.
363. 25th Anniversary Symposium, School of Radiation Therapy, Trinity College Dublin, Ireland, Dec 2018.
364. Department of Oncology, University of Copenhagen, Copenhagen, Denmark, Jan 2019.
365. "Introduction to Artificial Intelligence (AI): A radiation oncology perspective". National Cancer Centre Singapore, Singapore, Jun 2019.
366. AAPM 2019, American Association of Physicists in Medicine Annual Meeting, San Antonio, TX, USA, Jul 2019.
367. 7th Global Institution for Collaborative Research and Education Medical Science and Engineering Symposium "FLASH, Model

- Based Approach & 4DRT”, Hokkaido University, Sapporo, Japan, Aug 2019.
368. 16th International Congress of Radiation Research, Manchester, UK, Aug 2019.
 369. Symposium on the Model-Based Approach in Radiotherapy, Nyborg, Denmark, Sep 2019.
 370. 61st Annual ASTRO Meeting, Chicago, IL, USA, Sep 2019.
 371. Proton Therapy Cooperative Group North America, Miami, FL, USA, Oct 2019.
 372. Workshop: Beyond QUANTEC: Next-generation normal tissue effects modeling in radiation oncology, University of Maryland/Hokkaido University, Baltimore, MD, USA, Feb 2020.
 373. NACP 2020, Nordic Association for Clinical Physics, Reykjavik, Iceland, May 2020.
 374. Deutsche Gesellschaft für Radio-Onkologie (DEGRO), Annual Meeting, Wiesbaden, Germany, Jun 2020.