

Dr. J. Alex Hammond

Radiation Oncologist, LRCP, LHSC, London Ontario

Professor, Department of Oncology, Schulich School of Medicine, UWO, London, ON

BSC, MBBCH, ABRT, FRCPC, Med

Dr. Hammond completed a BSc at Rhodes University in South Africa followed by his medical degree at The University of Witwatersrand, Johannesburg South Africa, 1969.

Resident rotations through surgery, internal medicine, obstetrics and gynecology, paediatrics, anesthetics followed by 2 years spent in family practice in Kimberley, South Africa.

He immigrated to Canada, London Ontario in 1974 and completed his residency at Victoria Hospital followed by fellowship training at the MD Anderson Hospital, University of Texas, Houston.

Returning to London, Specialized techniques in sarcomas, head and neck and gynecology brachytherapy were established.

Three years were spent in Port Elizabeth, South Africa as a Chief, Radiation Oncology, University of Cape Town. At that time, he obtained much experience in all sites in doing over 100 gynecological brachytherapy procedures per year.

On returning to London in 1983, he was appointed as an Assistant Professor, Radiation Oncology and interests are head and neck, gynecological oncology and brachytherapy, sarcomas, lung cancer and breast cancer.

Dr. Hammond has continued to work clinically and defined interests in head and neck cancer, sarcomas and gynecology with brachytherapy. The first remote after loading technique in brachytherapy started here followed by HDR brachytherapy.

Research and teaching have been a main stay and a Masters in Education completed through OISE, University of Toronto.

Dr. Hammond was previous Chief of Radiation Oncology and has a strong interest in undergraduate and postgraduate education and continuing medical education (CME).

The first brachytherapy for lung cancer, esophageal cancer were developed by Dr. Hammond and since continued by that team.

He has also established quality assurance for planning head and neck cancer with 100% of patients reviewed on a weekly basis. As a Chair of the Head and Neck oncology group, the examination chairs were all replaced through patient generosity, fibro-optic scopes and towers were obtained. All patients are discussed at MDT prior to any management being instituted giving the patients the best overall plan and outcome.

Sarcomas have been an important area of development working along with orthopedic oncologists in Toronto and medical oncology at the LRCP.

Current research interests are head and neck oncology, clinical studies, sarcomas and clinical studies in gynecology.

He belongs to NCIC Canada and is on Head and Neck, sarcomas committees, NRG (RTOG) and on committees on sarcoma and head and neck cancers.

He has had more than 50 publications in peer reviewed journals.

Personal interests include family, reading, tennis, golfing, swimming and gardening.

Barbara J. Fisher, MD, FRCPC
Radiation Oncologist

CURRENT PRACTICE

Department of Radiation Oncology, LRCP, LHSC
Professor, Department of Oncology, UWO, Senate Stream
Clinician Scientist, Ontario Associate Radiation Oncologists

AREAS OF INTEREST

Radiation Oncology, CNS, Skin, GI tumours, Photodynamic treatment,
Clinical Research

EDUCATION

University of Western Ontario Medical School
London, Ontario
Doctor of Medicine

POSTGRADUATE EDUCATION

Internship
Victoria Hospital
London, Ontario

Resident
Department of Radiation Oncology
University of Ottawa, Princess Margaret Hospital
Ottawa, Ontario

Fellow, Department of Radiation Oncology
Ottawa Regional Cancer Centre
Ottawa, Ontario

Postdoctoral Fellow
Stanford University
Palo Alto, California

GRANTS

Non-Industry

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| 2016-2018 | Principal Investigator, AMOSO Grant: Translating the Clinical Utility of Circulating Cancer Microparticle Enumeration for Determining Prognosis of Colorectal Cancer Funded: \$166,250 |
| 2013-2015 | Co-Investigator OICR-HICT grant: Microparticle Analysis Pancreatic Cancer Funded \$101,806 PI: Ann Chambers |
| 2013-2015 | Principal Investigator, OICR-HICT Grant: Translating the Clinical Utility of Cancer Microparticle Enumeration and Functional Tumor Imaging for Combined Prognosis of Colorectal Cancer. Funded \$58,840 |

- 2012-2014 Coapplicant LRCP Catalyst Grant: Microparticle Analysis in Colorectal Cancer Patients with Hepatic Metastases Receiving Stereo-ablative Radiotherapy, Funded \$29,637.50 PI: Michael Lock
- 2012-2014 Coapplicant CFI Grant: A large Area Detector Dual Energy CT Scanner for Low Radiation Dose Functional Imaging Research in Oncology and Cardiology. Funded \$961,524 PI: Ting Lee
- 2011-2014 Principal Investigator, CASARIA Grant: Prospective Study of PET-CT and 3T MRI in Assessing Tumor Response after Neoadjuvant Chemoradiation for Rectal Cancer, Canadian Radiation Oncology Foundation, Funded \$22,281
- 2011-2016 Collaborator, CASARIA Grant: Circulating Tumor Cell Analysis in Colorectal Patients with Hepatic Oligometastases, Canadian Radiation Oncology Foundation, Funded \$24,960, PI: Michael Lock
- 2011 Principal Investigator, CASARIA Grant: Rectal Cancer: Local Staging, Re-Staging and Assessment of Lymph Node Metastases Using 3T MRI-PET and CT Perfusion, CASARIA (Canadian Radiation Oncology Foundation/ Sanofi-Aventis) Award, Funded \$22,281 and \$15,000.00 from Surgical Oncology Fund, London Health Sciences Hospital

Publications

1. Buckner J, Shaw E, Pugh S, Chakravarti A, Gilbert M, Barger G, Coons S, Ricci P, Bullard D, Brown P, Stelzer K, Brachman D, Suh J, Schultz C, Bahary JP, Fisher B, Kim H, Murtha A, Bell E, Won M, Mehta M, Curran W Jr. Radiation Plus Procarbazine, CCNU, and Vincristine in Low-Grade Glioma. *New England Journal of Medicine*, Accepted in Press
2. **Fisher B**, Hu C, Macdonald D, Lesser L, Coons S, Brachman D, Ryu S, Werner-Wasik M, Bahary J, Liu J, Chakravarti A, Mehta M. Phase II study of a temozolomide-based Chemo-radiotherapy Regimen for high risk low-grade gliomas: Preliminary results of Radiation Therapy Oncology Group (RTOG) 0424. *Int J Radiat Oncol Biol Phys* 2015 Mar 1;91(3):497-504.
3. Panageas K, Reiner A, Iwamoto F, Cloughesy T, Aldape K, Rivera A, Eichler A, Louis D, Paleologos N, **Fisher B** et al. Recursive partitioning analysis of prognostic variables in newly diagnosed anaplastic oligodendroglial tumors. *Neuro Oncol*. 2014 Nov;16(11):1541-6.
4. Boychak A, Bauman G, **Fisher B**, Abdulkarim B, Amanie J, Fulton D, Murtha A, Patel S, Urtasun R, Ghosh S, Roa WH. A Phase I Study of Tomotherapy in Patients with Primary Benign and Low-Grade Brain Tumors: Late Toxicity and Quality of Life. *Am J Clin Oncol* 2014 Jan epub
5. Jensen NK, Mulder D, Lock M, Fisher B, Zener R, Beech B, Kozak R, Chen J, Lee TY, Wong E. Dynamic contrast enhanced CT aiding gross tumor volume delineation of liver tumors: An interobserver variability study. *Radiother Oncol*. 2014 Apr;111(1):153-7.
6. Yeung TPC, Yartsev, Lee TY, Wong E, He W, **Fisher B**, VanderSpek L, Macdonald D, Bauman G. Relationship of computed tomography perfusion and positron emission tomography to tumour progression in malignant glioma. *Med Radiat Sci*. 2014 Feb;61(1):4-13.
7. Jensen NK, Stewart E, Lock M, Fisher B, Kozak R, Chen J, Lee TY, Wong E. Assessment of contrast enhanced respiration managed cone-beam CT for image guided

- radiotherapy of intrahepatic tumors. *Med Phys*. 2014 May;41(5):051905.
8. Jensen N, Lock M, **Fisher B**, Kozak R, Chen X, Chen J, Wong E, Lee T. Prediction and reduction of motion artifacts in free-breathing dynamic contrast enhanced CT perfusion imaging of primary and metastatic intrahepatic tumours. *Acad Radiol*. 2013 Apr;20(4):414-22.
 9. Louie A, Chan E, Hanna M, Bauman G, Fisher B, Palma D Rodrigues G, Warner A, D'Souza D. Fitness to drive in brain tumour patients: A Gray Matter of Law, Ethics, and Medicine. *Curr Oncol*. 2013 Apr; 20(2): 90–96.
 10. Chan E, Louie A, Hanna M, Bauman G, **Fisher B**, Palma D, Rodrigues G, Sathya A , D'Souza D. Multidisciplinary Assessment of Fitness to Drive in Brain Tumour Patients in Southwestern Ontario: A Grey Matter. *Curr Oncol*. 2013 Feb; 20(1): e4–e12.
 11. Chia J, Louie A, Jordan K, Gilchrist J, Fisher B, D'Souza D. Topical PDT for the Treatment of Carcinoma in Situ of the Penis. *Cureus* 2013: December
 12. Louie A, D'Souza D, Palma D, Bauman G, Lock M, **Fisher B**, Patil N, Rodrigues G. Fitness to drive in patients with brain tumors: The influence of mandatory reporting legislation on radiation oncologists in Canada. *Curr Oncol*. 2012 Jun;19(3):e117-2.
 13. Panageas KS, Iwamoto FM, Cloughesy TF, Aldape KD, Rivera AL, Eichler AF, Louis DN, Paleologos NA, Fisher BJ, Ashby LS, Cairncross JG, Roldán Urgoiti GB, Wen PY, Ligon KL, Schiff D, Robins HI, Rocque BG, Chamberlain MC, Mason WP, Weaver SA, Green RM, Kamar FG, Abrey LE, Deangelis LM, Jhanwar SC, Rosenblum MK, Lassman AB. Initial Treatment Patterns over Time for Anaplastic Oligodendroglial Tumors. *Neuro Oncol*. 2012 Jun;14(6):761-7.
 14. Cao J, **Fisher B**, Bauman G, Macdonald D, Megyesi J, Watling C. Hypofractionated Radiation plus Concurrent and Adjuvant versus Salvage Temozolomide in Elderly Patients with Glioblastoma. *J Neurooncol*. 2012 Apr;107(2):395-405.
 15. Lassman A, Fabio M, Iwamoto T, Coughnesy F, Aldape K, Rivera A, Eichler A, Louis D, Paleologos A, **Fisher B**, Ashby L, Cairncross JG, Roldan G, Wen P, Ligon K, Schiff D, Robins I, Rocque B, Chamberlain M, Mason W, Weaver S, Green R, Kamar F, Abrey L, DeAngelis L, Jhanwar S, Rosenblum M, Panageas K. International retrospective study of over 1000 adults with anaplastic oligodendroglioma tumours *Neuro Oncol*. 2011 Jun;13(6):649-59.
 16. Hallock A, Hamilton B, Ang C, Tay K, Megyesi J, **Fisher B**, Watling C, Macdonald D, Bauman G. Neurocytoma: Long-term Experience at a Single Institution. *Neuro Oncol*. 2011 Sep;13(9):943-9.
 17. Yoon F, Perera F, **Fisher B**, Stitt L. Alterations in hormone levels after adjuvant chemoradiation in male rectal cancer patients. *Int J Radiat Oncol Biol Phys* 74(4);1186-90, 2009.
 18. Bauman G, **Fisher B**, Watling C, Cairncross JG, Macdonald D. Adult supratentorial low-grade glioma: long-term experience at a single institution. *Int J Radiat Oncol Biol Phys* 75(5):1401-7, 2009.

Dr. David D'Souza

David Paul D'Souza, MD, FRCPC, is an Associate Professor and Radiation Oncologist at Western University, Schulich School of Medicine and Victoria Hospital/London Health Sciences Centre. After receiving his Doctor of Medicine from the University of Toronto, he completed his residency at McMaster University, Hamilton. He attained Board certification in Radiation Oncology from the American Board of Radiology and is a Fellow of the Royal College of Physicians and Surgeons of Canada. David completed a Fellowship in Brachytherapy from Memorial Sloan-Kettering Cancer Center, New York.

With this acquired skill, he introduced 3D Image Guided Brachytherapy for gynecologic cancers (the first in Ontario) using both intracavitary and interstitial techniques. David has introduced numerous innovations into the treatment of gynecologic cancers including use of IMRT, ultrasound guided brachytherapy and HDR interstitial brachytherapy including for women with locally recurrent disease requiring retreatment. As a result he receives referrals from across Ontario. He has co-authored a number of practice guidelines including The Role of IMRT in Gynecologic Cancers, Organizational Guideline for Gynecologic Oncology Services in Ontario, The Delivery of Brachytherapy for Cervical Cancer: Organizational and Technical Advice to Facilitate High-Quality Care in Ontario and SOGC-GOC-SCC Guidelines for the Management of Endometrial Cancer. He is co-Lead of the Cancer Care Ontario Gynecologic Radiation Oncology Community of Practice.

He has expertise in the treatment of prostate cancer including the use of high dose rate (HDR) and low dose rate (LDR) prostate brachytherapy. With his leadership, LHSC implemented intraoperative real-time dynamic planning with ultrasound for prostate brachytherapy and are currently investigating the use of 3D ultrasound. David has a number of areas of clinical research including accrual of patients to clinical trials and is the Principal Investigator for Western University with the National Cancer Institute (NCI) funded cooperative group, NRG Oncology.

David has held a number of administrative and teaching roles including Chair of the Ontario Association of Radiation Oncologists and Ontario Medical Association Section Chair for Radiation Oncology (2011-2014). He is past Examiner in Radiation Oncology for the Royal College of Physicians and Surgeons of Canada and has provided fellowship training for radiation oncologists in gynecologic interstitial brachytherapy.

Outside of medicine, David enjoys a number of passions including his family, traveling, playing the piano and organ and long distance running, having 4 Boston Marathons under his belt.

Dr. David Palma

Dr. David Palma is a Radiation Oncologist at the London Health Sciences Centre and a Clinician-Scientist with the Ontario Institute for Cancer Research. He specializes in the treatment of thoracic cancers, head and neck cancers, and oligometastatic disease.

He holds a BSc from Queen's University (Canada), an MD from the University of Western Ontario (Canada), a Master's Degree in Epidemiology from the Harvard School of Public Health, and a PhD from the VU University Medical Center (Netherlands). He completed his residency training at the University of British Columbia.

Dr. Palma's research focuses on translational imaging science, including evaluating new imaging and radiotherapy technologies in the pre-clinical and clinical setting. He currently leads or co-leads several clinical trials. He is the chair of the Canadian Pulmonary Radiotherapy Investigators (CAPRI) Group.

Dr. Palma has published over 100 peer-reviewed scientific articles. For a list of articles, click [here](#).

Dr. Palma is also the founder of the patient information website www.qualitycancertreatment.com, which focuses on empowering patients to obtain the best quality cancer care possible.

Dr. Edward Yu

Dr Edward Yu, BSc, PhD, MDCM, FRCP(C)
Associate Professor in Oncology Department of Western University.

Education:

BSc, PhD, MDCM - McGill University, Montreal, Quebec.
Residency in Radiation Oncology - McGill University, Montreal, Quebec.

Current Practice:

Thoracic Cancer, Breast Cancer, Skin Cancer.

Research Interest:

Applying new concept and technology to the treatment of thoracic, breast and skin malignancies, including the use of Stereotatic Body Radiation Therapy, Tomotherapy, Intensity Modulated Radiation Therapy, Grid Therapy, Brachytherapy and Photodynamic Therapy.

Further info on Research Interest can be referred to:

<http://works.bepress.com/edwardyu/>

Dr. Glenn Bauman

Dr. Bauman is a Radiation Oncologist specializing in Genitourinary and Central Nervous System Malignancies. He is also the Professor and Chair/Chief of the Department of Oncology at the Schulich School of Medicine and Dentistry, University of Western Ontario in London, Ontario and is an Associate Scientist, Lawson Health Research Institute. Dr. Bauman received both his undergraduate and medical degrees from the University of Western Ontario, where he also completed his residency in Radiation Oncology. A clinical fellowship in Radiation Oncology in the area of adult and pediatric brain tumor treatment was completed at the University of California at San Francisco. Dr. Bauman's primary areas of clinical practice are in genitourinary and central nervous system tumors and areas of research interest are multi-modality image guided radiotherapy and cancer imaging.

Dr. George Rodrigues

Dr. George Rodrigues is a Clinician Scientist and Radiation Oncologist at the Lawson Health Research Institute and London Health Sciences Centre. He has consulted on and provides radiation treatment for patients with genitourinary and thoracic cancers as well as brain metastases since 2001 after his graduation from the University of Toronto Radiation Oncology Residency Program. He is a former award-winning Residency Program Director and currently sits on various boards and committees for ASTRO, CARO, and NRG Oncology. He is academically appointed to the departments of radiation oncology and epidemiology/biostatistics and has several doctoral, master's, and post-graduate trainees under his supervision. He has attained both a M.Sc. degree in Clinical Epidemiology and Biostatistics (Thesis - Health Related Quality of Life) and a Ph.D. degree in Medicine (Thesis - Brain Metastases). His current research interests include: clinical trial design, evidence synthesis, "big-data" statistical analysis, and multisite arc-based hypofractionated radiotherapy. He has authored or coauthored 146 papers and 201 abstracts as well as been awarded 23 principal investigator grants and 19 coinvestigator grants with an overall value of approximately 8.4 million dollars. More importantly, Dr. George Rodrigues is married (Melanie) and has two children (Amelia) and (Owen). He enjoys his time at the family cottage in the Bruce Peninsula where they go fishing, hiking, and geocaching. He is currently training for his first marathon run (Ottawa) in the spring of 2016.

Dr. Jeff Cao

Dr. Jeff Cao is Assistant Professor in the Department of Oncology, Schulich School of Medicine & Dentistry, Western University and Staff Radiation Oncologist at the London Regional Cancer Program currently treating breast, cutaneous, hematological, and hepatobiliary malignancies.

Dr. Cao obtained his BSc Honours in Pharmacology and MD from the University of Alberta. During residency in Radiation Oncology at the University of Western Ontario, he served on the Board of the Professional Association of Internes and Residents of Ontario, earned his MBA at the Richard Ivey School of Business, and received the Ontario Medical Association Resident Achievement Award. He subsequently was awarded the CARO Elekta Fellowship for research at the BC Cancer Agency in Vancouver and also received the inaugural CPQR Fellowship with the Canadian Partnership for Quality Radiotherapy. During Fellowship, Dr. Cao served on the Canadian Association of Radiation Oncology Board of Directors and was recipient of the CARO Extraordinary Contribution Award. He is currently Chair of the CARO Communications Committee and recently transitioned from the CROF Board of Directors to the role of Treasurer of the Canadian Radiation Oncology Foundation

Dr. Michael Lock

Dr. Michael Lock is the Chief of the Division of Radiation Oncology at London Health Science Centre. He is a staff radiation oncology consultant in the Department of Oncology and an Associate Scientist with the Lawson Health Research Institute. His roles have included the Medical Director of the London Regional Cancer Program, Chair of the Breast Cancer Multidisciplinary Disease Site Team, Chair of the Radiation Oncology Provincial Advisory Committee, and Southwest Regional Radiation Oncology Lead. In addition, he is an Associate Professor at Western University in the Schulich School of Medicine. He is cross-appointed as an Associate Professor in the Department of Medical Biophysics.

Dr. Lock specializes primarily in patients with cancers of the urologic system, liver cancers and breast cancers. He has a special interest in intensity modulated radiotherapy (IMRT) and stereotactic body radiotherapy (SBRT-also called stereotactic ablative radiotherapy SABR). He has specialized training in the use of arc-based high precision therapy and imaging. He undertook fellowship training in Madison Wisconsin during the development of the groundbreaking Tomotherapy System (<http://www.tomotherapy.com>) and treated the first patient using this system. Dr. Lock leads the Hepatic Investigation Program (HIP) and has been a champion for the implementation of new techniques to treat this devastating cancer. Dr. Lock treated one of the first liver patients treated in Canada with SBRT. He works on global projects for organizations such as the International Atomic Energy Agency (IAEA) and the World Health Organization (WHO). This includes medical outreach programs in regions such as Malawi, Africa.

Selected publications can be found at http://works.bepress.com/michael_lock/

Dr. Nancy Read

Dr. Nancy Read is a Radiation Oncologist who specializes in treating Breast and Head and Neck Cancers. Trained at Dalhousie University, the University of Western Ontario and MD Anderson Cancer Center in Houston Texas, Dr. Read has a strong focus on clinical research and teaching. She is an Associate Professor at the University of Western Ontario and recently won an award for excellence in teaching. Dr. Read also has an interest in patient education and feels strongly that the patient must be an equal partner in making treatment decisions, and focuses on ensuring full patient understanding. Dr. Read originally hails from Nova Scotia and keeps very busy with her two children.

Dr. Tracy Sexton

Education:

- Jul 2002-Jun 2007 Resident, Radiation Oncology
University of Western Ontario, London, ON
- Sep 1998-Jun 2002 Bachelor of Medicine, M.D.
University of British Columbia, Vancouver, B.C
- Jul 1992-May 1998 Doctor of Philosophy, Ph.D., Genetics
University of British Columbia, Vancouver, BC
- Sep 1987-May 1992 Bachelor of Science, Honours Biology Co-op
University of Victoria, Victoria, B.C

Current Practice:

- Radiation Oncologist - London Regional Cancer Program (LRCP), London, ON
- GU, Breast and Pediatric Site teams
 - Program Director, Radiation Oncology Residency Program
 - Chair- Breast multidisciplinary team, LRCP
 - SouthWest Regional Cancer Program – lead for Survivorship Program

Associate Professor – Departments of Oncology and Medical Biophysics; Schulich School of Medicine and Dentistry, University of Western Ontario, London, Ont.

Research Interests:

- Prostate Cancer-Analysis of circulating tumor cells in patients post prostatectomy
Breast Cancer-local PI for international radiation clinical trials

Personal Interests:

As a breast cancer survivor, I am interested in raising awareness of breast cancer and improving the lives of breast cancer patients after treatment. I am an avid dragonboater and a member of Rowbust, London Breast Cancer Survivor, Dragonboat team. I enjoy spending time with family and friends and traveling the world.

Dr. Vikram Velker

Dr. Vikram Velker is a Radiation Oncologist at the London Regional Cancer Program and Assistant Professor in the Department of Oncology, Schulich School of Medicine and Dentistry, Western University. His clinical sites of interest are gynecological and hematological malignancies, with specialization in gynecologic and genitourinary interstitial brachytherapy.

Dr. Velker was born and raised in Windsor, Ontario. He completed undergraduate studies with a BSc at the University of Windsor, and then completed medical school at Western University in London, Ontario. He subsequently completed a 5 year residency in Radiation Oncology at the London Regional Cancer Program, followed by a fellowship in image guided gynecologic and genitourinary brachytherapy under the supervision of Dr. David D'Souza. He is a fellow of the Royal College of Physicians and Surgeons and a member of the Canadian Association of Radiation Oncology.

He has received numerous accolades during his medical training, including awards for compassionate care. He was a recipient of the 2011 Canadian Radiation Oncology Foundation Sanofi-Aventis Research Innovation Award. His current research interests are in the treatment of gynecologic tumours. He is a co-author of the textbook *Radiation Oncology Primer and Review: Essential Concepts and Protocols* published in 2013. Dr. Velker has served on the Board of Directors for the Canadian Association of Radiation Oncology from 2013-2015.

In his spare time, Dr. Velker enjoys spending time outdoors with his twin children. He is a third degree blackbelt and former karate instructor, and hopes to find his way back to the martial arts in the near future.

Dr. V. M. Venkatesan

D.L.O. (UK), FRCS (UK), FRCPC, ABRT

Radiation Oncologist, LRCP, LHSC, London Ontario

Associate Professor, Department of Oncology, Schulich School of Medicine, UWO, London Ontario

He completed medical school at The Bangalore University in 1971, followed by otolaryngology training in United Kingdom and then training in radiation oncology at The University of Western Ontario, London.

He acquired post fellowship Head and Neck Brachytherapy Training in Nancy, France.

He has a strong interest in education and has received the Division of Radiation Oncology Awards for Excellence in Teaching in 1995 and 2008.

He is a member of The Head and Neck and Genitourinary Disease Site groups and has been the Principal Investigator for numerous head and neck and genitourinary clinical trials.

His current research interests are in Head and Neck Oncology primarily assessing the outcome of therapeutic intervention in laryngeal and oropharyngeal cancers.

In collaboration with the Chief of Urology, Dr. Chin, he established The Prostate Brachytherapy Program at The London Regional Cancer Program more than a decade ago.

He has numerous research grants and more than fifty publications in Peer Reviewed Journals.

Personal areas of interests include reading, travelling with family and golfing.