

Date Submitted: 2025-01-30 23:09:19

Confirmation Number: 1903703

Template: Full CV

Dr. Donna Helen Murrell

Correspondence language: English

Sex: Female

Date of Birth: 3/06

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

Address

Primary Affiliation (*)

800 Commissioners Rd E

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Dr. Donna Murrell

Language Skills

Language	Read	Write	Speak	Understand	Peer Review
English	Yes	Yes	Yes	Yes	Yes

Degrees

2012/9 - 2016/10	Doctorate, Doctor of Philosophy, Medical Biophysics (Molecular Imaging), University of Western Ontario Degree Status: Completed Supervisors: Foster, Paula, 2012/9 - 2016/8
2014/9 - 2016/8	Master's non-Thesis, Masters of Science, Clinical Medical Biophysics, CAMPEP-accredited, University of Western Ontario Degree Status: Completed
2007/9 - 2012/4	Bachelor's Honours, Bachelor of Science, Double Major -- Medical Physics and Medical Biophysics, University of Western Ontario Degree Status: Completed

Credentials

2020/11	Member, Canadian College of Physicists in Medicine The Canadian College of Physicists in Medicine (CCPM) was established in 1979 to recognize proven competence in physics as applied to medicine. Candidates with suitable educational background and experience become members of the college by completing an examination process. CCPM certification is becoming widely accepted in Canada and other countries and is often required at senior levels in medical physics.
2014/9 - 2016/8	CAMPEP accredited graduate program, University of Western Ontario

Recognitions

2024/6	Harold E. Johns Travel Award - 3,000 (Canadian dollar) Canadian College of Physicists in Medicine Prize / Award The award is given annually by the Canadian College of Physicists in Medicine to an outstanding CCPM Member.
2018/5	Summer School Tuition Scholarship - 543 American Association of Physicists in Medicine Prize / Award Competitive funding awarded to American Association of Physicists in Medicine members in the first 5 years of their career who wish to attend the annual Summer School for professional development.

2017/8	Oral Presentation Award; Department of Oncology - 500 University of Western Ontario Prize / Award Recognition for a top oral presentation.
2016/3	Travel Award - 2,000 Canadian Cancer Society Research Institute Prize / Award Competitive funding for travel costs to PhD and MD students making scientific presentations at conferences on a cancer-related topic.
2016/3	CIHR-ICS Travel Award - 1,000 Canadian Institutes of Health Research Prize / Award Provides competitive funding to Canadian students to travel to a major scientific meeting in recognition of their contributions to cancer research.
2016/3	Cum Laude Abstract Award Imaging Network of Ontario Prize / Award Recognition for a top abstract and poster presentation at the conference.
2015/4	Dr. Alfred Jay Medical Biophysics Award for Translational Research - 2,000 (Canadian dollar) University of Western Ontario Prize / Award
2014/9	Trainee Travel Stipend - 250 (United States dollar) International Society for Magnetic Resonance in Medicine Prize / Award
2014/4	CIHR-ICS Travel Award - 1,000 (Canadian dollar) Canadian Institutes of Health Research Prize / Award
2013/9	Student Travel Stipend Award - 650 (United States dollar) World Molecular Imaging Congress Prize / Award

User Profile

Researcher Status: Researcher

Research Career Start Date: 2018/12/10

Engaged in Clinical Research?: Yes

Research Interests: reirradiation, lung cancer, medical physics, radiation oncology, radiobiology, imaging

Research Specialization Keywords: radiation oncology, reirradiation, medical physics, radiotherapy

Employment

2018/12	Assistant Professor Oncology, Medical Biophysics, Schulich School of Medicine & Dentistry, University of Western Ontario Full-time, Term, Assistant Professor Tenure Status: Non Tenure Track
2018/9	Medical Physicist London Health Sciences Centre

2016/9 - 2018/8	Medical Physics Resident London Regional Cancer Program
2015/9 - 2016/4	Teaching Assistant, BIOPHYS 9700 Medical Biophysics, Schulich School of Medicine and Dentistry, University of Western Ontario
2015/8 - 2015/12	Quality Assurance Internship Physics and Engineering, CAMPEP Program at Western University, London Regional Cancer Program
2014/2 - 2014/11	Graduate Research Assistant, supervisor: Dr. Paula Foster Medical Biophysics, Schulich School of Medicine and Dentistry, University of Western Ontario
2012/1 - 2014/1	Assistant Course Co-ordinator and Teaching Assistant, KIN 2915 Kinesiology, Faculty of Health Sciences, University of Western Ontario
2012/1 - 2014/1	Assistant Course Co-ordinator and Teaching Assistant, KIN 2920 Kinesiology, Faculty of Health Sciences, University of Western Ontario
2011/1 - 2012/9	Extended Independent Research Project Medical Biophysics, Science, University of Western Ontario
2011/9 - 2011/12	Lead Teaching Assistant, KIN 2215 Kinesiology, Faculty of Health Sciences, University of Western Ontario
2011/1 - 2011/4	Teaching Assistant, KIN 3020 Kinesiology, Faculty of Health Sciences, University of Western Ontario
2010/10 - 2010/12	Lead Teaching Assistant, KIN 2215 Kinesiology, Faculty of Health Sciences, University of Western Ontario
2010/9 - 2010/10	Teaching Assistant, KIN 2020 Kinesiology, Faculty of Health Sciences, University of Western Ontario

Affiliations

The primary affiliation is denoted by (*)

2018/12	Assistant Professor, Oncology, University of Western Ontario
2018/12	Assistant Professor, Medical Biophysics, University of Western Ontario
(*) 2018/9	Medical Physicist, Radiation Oncology, London Health Sciences Centre
2018/12 - 2024/11	Associate Scientist, Lawson Health Research Institute

Leaves of Absence and Impact on Research

2022/10 - 2023/8	Parental, London Health Sciences Centre 1.0 FTE impact due to maternity and parental leaves: 11 months duration.
2019/1 - 2019/7	Medical, London Health Sciences Centre 0.5 FTE impact due to medical leave: 6 month duration with 100% reduction in time devoted to regular research and training activities.

Research Funding History

Awarded [n=4]

2024/2 - 2026/1	Clinician-Scientist, Academic, Grant, Operating
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Principal Applicant	Clinical Research Project?: Yes Project Description: Implementing 3D printing for individualized care in gynecological brachytherapy Funding Sources: London Health Sciences Centre Academic Realignment Initiative Awards Total Funding - 143,000 (Canadian dollar) (Canadian dollar) Funding Competitive?: Yes
2024/7 - 2025/6 Principal Investigator	Internal Research Fund (IRF) Award, Grant, Operating Clinical Research Project?: Yes Project Description: Pilot funding to support development of clinical trial: "A Safety and Efficacy Trial of Reirradiation Dose Escalation in Thoracic Cancers: Re-evaluating previous dose and allowing increasing recovery (REPAIR)" Funding Sources: 2024/7 - 2025/6 Lawson Health Research Institute Internal Research Fund Total Funding - 20,000 (Canadian dollar) Portion of Funding Received - 100 (Canadian dollar) Funding Competitive?: Yes
2024/1 - 2024/12 Principal Investigator	LRCP Catalyst Grant for Translational Cancer Research, Grant, Operating Clinical Research Project?: Yes Project Description: Design, development, and evaluation of a training simulator for gynecological brachytherapy Funding Sources: London Health Sciences Foundation Total Funding - 19,655 (Canadian dollar) Portion of Funding Received - 100 (Canadian dollar)
2018/9 - 2023/3 Principal Investigator	3D Printing for Radiation Oncology Applications, Grant Funding Sources: University of Western Ontario Division of Radiation Oncology Collaborative Research Seed Funding Total Funding - 10,000 Portion of Funding Received - 100 Funding Competitive?: Yes Co-applicant : Hoover, Douglas; Collaborator : Berryhill, Greg; Dinniwell, Robert; Karnas, Scott; Nguyen, Tim; Palma, David; VanDaele, Kim; Venkatesan, Varagur; Zhang, Tina
Completed [n=1]	
2014/9 - 2016/8 Principal Applicant	Fellowship, Fellowship Funding Sources: Canadian Breast Cancer Foundation (CBCF) Total Funding - 70,000 Portion of Funding Received - 100 Funding Competitive?: Yes

Declined [n=2]

2014/9 - 2016/8
Principal Applicant Translational Breast Cancer Studentship, Scholarship

Funding Sources:

Breast Cancer Society of Canada
Total Funding - 34,000
Portion of Funding Received - 100
Funding Competitive?: Yes

2014/9 - 2016/8
Principal Applicant CaRTT Scholar, Scholarship

Funding Sources:

Canadian Institutes of Health Research (CIHR)
STP Cancer Research and Technology Transfer
Total Funding - 51,400
Portion of Funding Received - 100
Funding Competitive?: Yes

Student/Postdoctoral Supervision**Bachelor's [n=5]**

2024/5 - 2024/8
Principal Supervisor Celeste MacDonald (In Progress) , University of Western Ontario
Thesis/Project Title: Design and prototype testing of a female pelvis simulator for brachytherapy

2023/10 - 2024/5
Principal Supervisor Prakash Hampole (Completed) , University of Western Ontario
Thesis/Project Title: Developing anatomic models to build a female pelvis simulator for brachytherapy

2020/9 - 2020/12
Principal Supervisor Pautler, Justin, University of Waterloo
Thesis/Project Title: 3D printing for Radiation Oncology applications
Present Position: Co-op student

2020/1 - 2020/4
Principal Supervisor Pautler, Justin, University of Waterloo
Thesis/Project Title: 3D printing for Radiation Oncology applications
Present Position: Co-op student

2019/5 - 2019/8
Principal Supervisor Pautler, Justin, University of Waterloo
Thesis/Project Title: 3D printing for Radiation Oncology applications
Present Position: Co-op student

Doctorate [n=6]

2023/5
Academic Advisor Alana Lopes (In Progress) , University of Western Ontario
Student Degree Start Date: 2023/9
Thesis/Project Title: Cybernetic Pathology Hybrid Eye Tracking System

2022/9
Academic Advisor Nitara Fernando (In Progress) , University of Western Ontario
Student Degree Start Date: 2022/9
Thesis/Project Title: Magnetic Particle Imaging of tumour associated macrophages

2021/5 - 2024/6 Academic Advisor	Brayden Halvorson (Completed) , University of Western Ontario Student Degree Start Date: 2021/5 Student Degree Received Date: 2024/6 Thesis/Project Title: Integrated microvascular flow regulation and the impact of metabolic disease
2020/9 Academic Advisor	Sean McRae (In Progress) , University of Western Ontario Student Degree Start Date: 2020/9 Thesis/Project Title: Development of an imaging system using OATP1B3 for tracking cells
2018/12 - 2023/4 Academic Advisor	Knier, Natasha (Completed) , University of Western Ontario Thesis/Project Title: Cellular Imaging in Patient Derived Xenograft Brain Metastasis Models
2018/12 - 2023/4 Academic Advisor	Shalaby, Nourhan (Completed) , University of Western Ontario Thesis/Project Title: Development and characterization of a dual PET/MR reporter gene cell system

Staff Supervision

Committee Memberships

2024/1	Committee Member, Reirradiation Advancement Initiative, Canadian Organization of Physicists in Medicine
2024/1	Committee Member, Reirradiation Collaborative Group (ReCOG) Planning Committee, Reirradiation Collaborative Group The Reirradiation Collaborative Group (ReCOG) is international group supporting clinical practice, research and policy in reirradiation. https://recog.care/home
2022/11	Committee Member, Reirradiation Physics Working Group Member, European Society for Radiotherapy and Oncology (ESTRO)
2021/4	Committee Member, Working Group for Ca Cervix Dosimetric Data Collection, GYN Community of Practice, Cancer Care Ontario
2017/6 - 2018/6	Committee Member, Working Group for Ca Cervix IMRT/IGRT Implementation, GYN Community of Practice, Cancer Care Ontario

Presentations

1. Dr. David Palma. (2024). Enhancing quality through continuous improvement in reirradiation. Michigan Radiation Oncology Quality Consortium, Kalamazoo, Michigan, United States of America
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
2. (2024). Implementing imaging technology for interstitial GYN brachytherapy. World Congress of Brachytherapy, National Harbor, MD, United States of America
Main Audience: Researcher
Invited?: Yes
Description / Contribution Value: Educational session, 'Starting an Interstitial Brachytherapy Program'

3. Dr. David Palma. (2024). Current practices and challenges in reirradiation. Atlantic Radiotherapy Conference, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes
Description / Contribution Value: Eshwar Kumar Lecture (plenary session)
4. Dr. David Palma. (2024). Trial design for reirradiation: introducing the REPAIR dose escalation trial. Reirradiation Collaborative Group (ReCOG) meeting, Ann Arbor, MI, United States of America
Main Audience: Knowledge User
Invited?: Yes
5. (2024). Technical considerations for reirradiation to the liver and abdomen. Reirradiation Collaborative Group (ReCOG) meeting, Ann Arbor, MI, United States of America
Main Audience: Knowledge User
Invited?: Yes
6. (2019). My path to a career in medical physics. Molecular Imaging Collaborative Graduate Program at Western University monthly journal club meeting, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
7. (2018). MRI surveillance of cancer cell fate after radiotherapy in a brain metastasis model. A. C. Burton Day at Western University, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
8. (2016). Investigating metastatic cancer cell fate with cellular MRI. London Cancer Research Trainee Forum, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
9. (2015). MRI tracks concurrent responses of metastasis and dormancy after radiotherapy. Leaders in Innovation, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: No
10. (2014). Heterogeneity of brain metastatic breast cancer and response to radiotherapy detected by MRI. A. C. Burton Day at Western University, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
11. (2014). MRI cell tracking in brain metastasis development and dormancy. Mini-Symposia for Brain Tumour Foundation of Canada at Robarts Research Institute, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: Yes

Publications

Journal Articles

1. Matrosic CK, Andrzejewski P, Bergman A, Chng N, El Naqa I, Freisleder P, Hoffmann L, Hope A, Jacqmin D, Kelly C, Kuo L, Lin H, Mayo C, Murrell DH, Ödén J, Svensson S, Vasquez Osorio E, West N, Yorke E, Appelt A, Paradis KC. Software Support Tools for Reirradiation: A Report from ReCOG 2024. International Journal of Radiation Oncology, Biology, Physics. Accepted,

2. Halvorson BD, Ward AD, Murrell DH, Lacefield JC, Wiseman RW, Goldman D, Frisbee JC. (2024). Regulation Of Skeletal Muscle Resistance Arteriolar Tone: Temporal Variability In Vascular Responses. *Journal of Vascular Research*. 61(6): 269-297.
Published,
3. Hardcastle N, Vasquez Osorio E, Jackson A, Mayo C, Einebaerholm Aarberg A, Ayadi M, Belosi F, Ceylan C, Davey A, Dupuis P, Handley JC, Hemminger T, Hoffmann L, Kelly C, Michailidou C, Muscat S, Murrell DH, Perez-Alija J, Palmer C, Placidi L, Popovic M, Ronde HS, Selby A, Skopidou T, Solomou N, Stroom J, Thompson C, West NS, Zaila A, Appelt AL. (2024). Multi-centre evaluation of variation in cumulative dose assessment in reirradiation scenarios. *Radiotherapy and Oncology*. 194
Published,
4. Goodman CD, Pautler JD*, Balestrini CS, Cobos S, D'Souza L, Eansor P, Jaswal J, Nichols A, Norris M, Sharma M, Wilmore K, Warner A, Murrell DH, Palma DA. (2021). Evaluation of a 3D-printed-head simulation technique for teaching flexible nasopharyngoscopy to radiation oncology residents. *International Journal of Radiation Oncology, Biology, Physics*. 109(2): 317-323.
Published,
Refereed?: Yes
- [5.](#) Makela AV, Gaudet JM, Murrell DH, Mansfield JR, Wintermark M, Contag CH. (2021). Mind over magnets - how magnetic particle imaging is changing the way we think about the future of neuroscience. *Neuroscience*. 474(15): 100-109.
Published,
Refereed?: Yes
- [6.](#) Murrell DH, Karnas SJ, Corkum MT, Hipwell S, Palma DA, Rodrigues G, Louie AV. (2019). Radical radiotherapy for locally advanced non-small cell lung cancer – what's up with arm positioning?. *Journal of Thoracic Disease*. 11(5): 2099-2104.
Published,
Refereed?: Yes
7. Murrell DH, Laba JM, Erickson A, Millman B, Palma DA, Louie AV. (2018). Stereotactic ablative radiotherapy for ultra-central lung tumors: prioritize target coverage or organs at risk?. *Radiation Oncology*. 13: 57.
Published,
Refereed?: Yes
8. Zarghami N, Murrell DH, Jensen MD, Dick FA, Chambers AF, Foster PJ, Wong E. (2018). Evaluation of radiation-induced DNA double-stranded breaks and tumor response in a breast cancer brain metastasis model. *Radiation Oncology*. 13: 104.
Published,
Refereed?: Yes
- [9.](#) Murrell DH, Warner A, Benwell Q, Wells W, Scott D, Velker V, Hajdok G, D'Souza DP. (2018). Image-guided radiation therapy for post-operative gynecologic cancer: patient set up verification with and without implanted fiducial markers. "Image-guided radiation therapy for post-operative gynecologic cancer: patient set up verification with and without implanted fiducial markers. 57(10): 1346-1351.
Published,
Refereed?: Yes
- [10.](#) Ramos JMM, Das J, Felty Q, Yoo C, Poppiti RJ, Murrell DH, Foster PJ, Roy D. (2018). NRF1 motif sequence-enriched genes involved in ER/PR –ve HER2 +ve breast cancer signaling pathways. *Breast Cancer Research and Treatment*. 172(2): 469-485.
Published,
Refereed?: Yes

11. Murrell DH, Zarghami N, Jensen MD, Dickson F, Chambers AF, Wong E, Foster PJ. (2017). MRI surveillance of cancer cell fate in a brain metastasis model after early radiotherapy. *Magnetic Resonance in Medicine*. 78: 1506-1512.
Published,
Refereed?: Yes
12. Makela AV*, Murrell DH*, Parkins KM, Kara J, Gaudet JM, Foster PJ (* contributed equally). (2016). Cellular imaging with MRI. *Topics in Magnetic Resonance Imaging*. 25(5): 177-186.
Published,
Refereed?: Yes
13. Haedicke IE, Li T, Martinez F, Hamilton AM, Murrell DH, et al. (2016). An enzyme activatable and cell permeable MnIII-porphyrin as a highly efficient T1 MRI contrast agent for cell labeling. *Chemical Science*. 7: 4308-4317.
Published,
Refereed?: Yes
14. Hamilton AM, Parkins KM, Murrell DH, Ronald JA, Foster PJ. (2016). Investigating the impact of a primary tumor on metastasis and dormancy using MRI: new insights into the mechanism of concomitant tumor resistance. *Tomography*. 2(2): 79-84.
Published,
Refereed?: Yes
15. Murrell DH, Zarghami N, Jensen MD, Chambers AF, Wong E, Foster PJ. (2016). Evaluating changes to blood-brain barrier integrity in brain metastasis over time and after radiation treatment. *Translational Oncology*. 9(3): 219-227.
Published,
Refereed?: Yes
- [16.](#) Murrell DH, Hamilton AM, Mallett CL, van Gorkum R, Chambers AF, Foster PJ. (2015). Understanding heterogeneity and permeability of brain metastases in murine models of HER2-positive breast cancer through magnetic resonance imaging: implications for detection and therapy. *Translational Oncology*. 8(3): 176-184.
Published,
Refereed?: Yes, Open Access?: Yes
- [17.](#) Murrell DH, Foster PJ, Chambers AF. (2014). Brain metastases from breast cancer: lessons from experimental magnetic resonance imaging studies and clinical implications. *Journal of Molecular Medicine*. 92(1): 5-12.
Published,
Refereed?: Yes, Open Access?: No
- [18.](#) Murrell DH, Dragunas A. (2013). A comparison of two swimming start techniques from the Omega OSB11 starting block. *WURJ: Health and Natural Sciences*. 3(1): article 1.
First Listed Author
Published,
Refereed?: Yes, Open Access?: Yes
Number of Contributors: 2

Book Chapters

1. Murrell DH, Perera F, Chamber AF, Foster PJ. (2017). Chapter 17, Brain metastasis: basic biology, clinical management, and insight from experimental model systems. Ahmad A. *Introduction to Cancer Research*. 1: 317-333.
Published, Elsevier, United States of America
Refereed?: No

2. Bazalova-Carter M, Murrell DH, Parkins K, Ronald J, Foster PJ, Graves E, Granton P, Wong E. (2016). Chapter 11: Small Animal Imaging and Radiotherapy and Imaging. Van Dyk J, Das S. Advances in Medical Physics. : 231-256.
Published, Medical Physics Publishing Corp, United States of America
Refereed?: No

Clinical Care Guidelines

1. Author. IMRT Guidance Document for Intact Cervix. (2018).
Contributors: Croke, J; Surry, K; Murrell, D; Davidson, M; Chan, K; D'Alimonte, L; Lupe, K; Benwell, Q; Sankrecha, R; Himmelman, J
Description / Contribution Value: A report developed by the Gynecological Cancers Community of Practice (CoP) of the Radiation Treatment Program of Cancer Care Ontario (CCO) for circulation to Regional Cancer Programs

Conference Publications

1. Murrell DH, Zarghami N, Jensen MD, Hamilton AM, Chambers AF, Wong E, Foster PJ. MRI tracks concurrent responses of metastasis and dormancy after radiotherapy. Oncology and Research Education Day, London, Canada,
Conference Date: 2015/6
Abstract
Refereed?: Yes, Invited?: Yes
2. Murrell DH, Zarghami N, Jensen MD, Chambers AF, Wong E, Foster PJ. Longitudinal MRI evaluation of whole brain radiotherapy on brain metastasis development and dormancy in a mouse model. World Congress on Medical Physics and Biomedical Engineering, Toronto, Canada,
Conference Date: 2015/6
Abstract
Refereed?: Yes
3. Murrell DH*, Zarghami N*, Jensen MD*, Hamilton AM, Chambers AF, Wong E, Foster PJ. Longitudinal MRI tracking of brain metastasis development and dormancy after radiotherapy. Imaging Network of Ontario Symposium, London, Canada,
Conference Date: 2015/3
Abstract
Refereed?: Yes
4. Murrell DH, Gaudet J, Makela A, Foster PJ. Towards balanced steady state free precession imaging for breast cancer brain metastasis. International Society for Magnetic Resonance in Medicine: MR in Cancer Workshop, Austin, United States of America,
Conference Date: 2014/11
Abstract
Refereed?: Yes
5. Murrell DH, Zarghami N, Chen Y, Chambers AF, Wong E, Foster PJ. MRI characterizes the evolution of brain metastasis and response to radiotherapy in a brain metastatic breast cancer model. Oncology and Research Education Day, London, Canada,
Conference Date: 2014/6
Abstract
Refereed?: Yes

6. Murrell DH, Zharghami N, Chen Y, Chambers A, Wong E, Foster PJ. MRI characterizes the evolution of brain metastasis and response to radiotherapy in a brain metastatic breast cancer model. Robarts Research Retreat, London, Canada,
Conference Date: 2014/6
Abstract
Refereed?: Yes
7. Murrell DH, van Gorkum R, Hamilton AM, Mallett CL, Gril B, Chambers AF, Steeg PS, Foster PJ. Understanding the heterogeneity of brain metastases from breast cancer: lessons from new models and experimental magnetic resonance imaging. International Society for Magnetic Resonance in Medicine Annual Meeting, Milan, Italy,
Conference Date: 2014/5
Abstract
Refereed?: Yes
8. Murrell DH*, Zarghami N*, Chen Y, Chambers A, Wong E, Foster PJ. In vivo MRI characterization of tumour response to whole brain radiotherapy in a brain metastatic breast cancer model. London Health Research Day, London, Canada,
Conference Date: 2014/3
Abstract
Refereed?: Yes
9. Murrell DH*, Zarghami N*, Chen Y, Chambers AF, Wong E, Foster PJ. MRI characterizes the natural progression of metastases and their response to whole brain radiotherapy in a brain metastatic breast cancer model. Imaging Network of Ontario Symposium, Toronto, Canada,
Conference Date: 2014/3
Abstract
Refereed?: Yes, Invited?: Yes
10. Murrell DH, Hamilton AM, Jensen MD, Zarghami N, Chambers AF, Wong E, Foster PJ. In vivo MRI characterization of tumour response to radiotherapy in a mouse model of brain metastasis. Canadian Cancer Research Conference, Toronto, Canada,
Conference Date: 2013/11
Abstract
Refereed?: Yes, Invited?: Yes
11. Murrell DH, Hamilton AM, Jensen MD, Zarghami N, Chambers AF, Wong E, Foster PJ. MRI characterization of the responses of brain metastatic breast cancer cells to whole brain micro-irradiation in mice. World Molecular Imaging Congress, Savannah, United States of America,
Conference Date: 2013/9
Abstract
Refereed?: Yes
12. Murrell DH*, Hamilton AM, Jensen MD*, Chambers AF, Wong E, Foster PJ. In vivo MRI tumour response to radiotherapy in a mouse model of brain metastasis. Oncology Research Education Day, London, Canada,
Conference Date: 2013/6
Abstract
Refereed?: Yes
13. Murrell DH, Pautler JD*, Hoover DA. (2021). A 3D-printed prostate phantom for quality assurance in HDR brachytherapy. American Association of Physicists in Medicine Annual Meeting, ,
Abstract
Published
Refereed?: Yes

14. Qu XM, Murrell DH, Millman B, Palma DA, Louie AV. (2019). Dose escalation in 5-fraction palliative thoracic radiotherapy: A feasibility and safety planning study. Proceedings of the American Society for Radiation Oncology 61st Annual Meeting, ,
Abstract
Published
Refereed?: Yes, Invited?: No
15. Murrell DH, Himmelman J, Sancreacha R, Ravi A, Croke J, Surry K. (2018). IMRT strategies for definitive treatment of intact cervical cancer: a literature review. Joint Scientific Meeting for CARO-COMP-CAMRT, Montreal, Canada,
Conference Date: 2018/9
Abstract
Published
Refereed?: Yes
16. Murrell DH, Karnas SJ, Corkum MT, Hipwell S, Palma DA, Rodrigues G, Louie AV. (2018). Arms up or arms down for radiotherapy in stage III NSCLC? A dosimetric comparison. Joint Scientific Meeting for CARO-COMP-CAMRT, Montreal, Canada,
Conference Date: 2018/9
Abstract
Published
Refereed?: Yes
17. Laba JM, Murrell DH, Erickson A, Millman B, Palma DA, Louie AV. (2017). SABR for Ultra-Central Lung Tumors: Modelling the Therapeutic Ratio for this Challenging Clinical Scenario. World Conference on Lung Cancer, Japan,
Conference Date: 2017/10
Abstract
Published
Refereed?: Yes
18. Murrell DH, Tay KY, Wong E, Chambers AF, Perera F, Foster PJ. (2016). Fast Imaging Employing Steady-State Acquisition of Brain Metastasis: from mouse to woman. International Society for Magnetic Resonance in Medicine Annual Meeting, Singapore,
Conference Date: 2016/5
Abstract
Published
Refereed?: Yes, Invited?: No
19. Murrell DH, Dickson F, Hamilton AM, Foster PJ. (2015). Iron retention in non-proliferative cancer cells allows for tracking by MRI: An in vivo assay for studying cancer cell dormancy. International Society for Magnetic Resonance in Medicine Annual Meeting, Toronto, Canada,
Conference Date: 2015/5
Abstract
Published
Refereed?: Yes, Invited?: No

Date Submitted: 2025-01-23 14:43:53

Confirmation Number: 1898719

Template: CIHR Biosketch

Dr. David Anthony Palma

Correspondence language: English

Sex: Male

Date of Birth: 8/05

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

Address

Primary Affiliation (*)

Department of Radiation Oncology
London Health Sciences Centre
800 Commissioners Rd E
London Ontario N6A 5W9
Canada

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Fax	1-519-685-8627
Work (*)	1-519-685-8600 extension: 52833

Email

Work (*)	david.palma@uwo.ca
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Protected when completed

Dr. David Palma

Degrees

2009/1 - 2011/7	Doctorate, PhD, Free University, Amsterdam - Vrije Universiteit Degree Status: Completed
2009/7 - 2010/11	Master's Thesis, MSc - Masters, Harvard University Degree Status: Completed
2000/9 - 2004/5	Doctorate, MD - M.D., University of Western Ontario Degree Status: Completed
1997/9 - 2000/9	Bachelor's Honours, Honours Bachelor of Sciences, Queen's University at Kingston Degree Status: Completed

Credentials

2009/6	Fellow (FRCPC), Royal College of Physicians and Surgeons of Canada
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Recognitions

2024/11	Honorary Fellow (FRCSI) Faculty of Radiologists and Radiation Oncologists of the Royal College of Surgeons of Ireland
2022/9 - 2022/9	CARO Gold Medal and Gordon Richards Lecture Canadian Association of Radiation Oncology
2019/11 - 2021/10	Faculty Scholar Award University of Western Ontario
2004/1 - 2004/1	Medical Alumni Gold Medal University of Western Ontario
2000/1 - 2000/1	Medal in Life Sciences Queen's University

Employment

2010/9	Radiation Oncologist Oncology, Oncology, University of Western Ontario
2010/9	Clinician Scientist Clinician Scientist, Ontario, Ontario Institute for Cancer Research
2009/9 - 2010/6	Research Fellow Radiation Oncology, Amsterdam, Free University, Amsterdam - Vrije Universiteit

2004/7 - 2009/6	Radiation Oncology Resident Department Surgery - Division Radiation Oncology, Vancouver, University of British Columbia
2001/6 - 2004/5	Anatomy Study Guide Author/Programmer Anatomy and Cell Biology, Western University, University of Western Ontario
1999/9 - 1999/12	Statistics Teaching Assistant Mathematics and statistics, Kingston, ON, Queen's University at Kingston
1994/6 - 1998/9	Lifeguard, Senior guard, and Aquatics Instructor London Ontario Aquatic Services

Affiliations

The primary affiliation is denoted by (*)

(*) 2010/9 Radiation Oncologist, Oncology, University of Western Ontario

Research Funding History

Awarded [n=7]

2020/7 - 2026/6 Co-investigator	A phase III randomized controlled trial and economic evaluation of Stereotactic Ablative Radiotherapy (SABR) for Comprehensive treatment of OligoMETastatic (1-3 metastases) cancer: SABR-COMET-3 Funding Sources: Canadian Institutes of Health Research (CIHR) CIHR Project Grant Total Funding - 699,380 Funding Competitive?: Yes Principal Applicant : Dr. Robert Olson
2022/1 - 2025/12 Co-investigator	A multi-biomarker approach for defining the oligometastatic state using liquid biopsies Funding Sources: Canadian Cancer Society CCS Challenge Grant (CHA-22) Total Funding - 450,000 Funding Competitive?: Yes Principal Applicant : Allan A
2020/9 - 2025/10 Principal Investigator	OICR Clinician Scientist Funding Funding Sources: Ontario Institute for Cancer Research (OICR) Clinician Scientist Investigator Award Total Funding - 1,250,000 Funding Competitive?: Yes
2023/1 - 2024/1 Co-investigator	Detection of Circulating Tumor DNA after SABR in Patients with Unbiopsied Lung Tumors (SABR-DETECT) Funding Sources: Lung Cancer Canada Geoffrey Ogram Memorial Research Grant Total Funding - 25,000 Funding Competitive?: Yes

2021/7 - 2023/6 Co-investigator	Principal Investigator : Dr. Daniel Breadner Endoscopic nodal staging in oligometastatic non-small cell lung cancer being treated with stereotactic ablative radiotherapy (ENDO-SABR) Funding Sources: Academic Medical Organization of Southwestern Ontario (AMOSO) AMOSO Innovation Grant Total Funding - 44,790 Funding Competitive?: Yes Principal Applicant : I Dhaliwal
2019/10 - 2020/9 Principal Investigator	SABR-Comet - Radiation Oncology Institute's (ROI) 2019 Publication Award Funding Sources: Radiation Oncology Institute (ROI) ROI Publication Award Total Funding - 5,000 Funding Competitive?: Yes
2015/9 - 2020/8 Principal Investigator	OICR Clinician Scientist Funding Funding Sources: Ontario Institute for Cancer Research (OICR) Ontario Cancer Institute for Cancer Research Total Funding - 1,250,000 Funding Competitive?: Yes

Publications

Journal Articles

1. Tan VS , Correa RJM , Nguyen TK , Louie AV , Malthaner RA , Fortin D , Rodrigues GB , Yaremko BP , Laba JM , Kwan K , Gaede S , Lee T , Ward AD , Warner A , Inculet RI , Palma DA. (2025). Measuring the Integration of Stereotactic Ablative Radiotherapy Plus Surgery for Early-Stage Non-Small Cell Lung Cancer: Long-Term Clinical Outcomes. International journal of radiation oncology, biology, physics. 121(1): 39-44.
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Conference Publications

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Abstract, Invited?: Yes
2. Nguyen T, Ramadan S, Hallock A, Palma D, Corkum M, O'Neil M, Celinski A, Fakir H, Lock M, Lang P, Velker V, Bauman G.Ablative Radiation Therapy to Restrain Everything Safely Treatable (ARREST) - a Phase 1 Study of SABR for Poly-Metastatic Disease.Canadian Association of Radiation Oncology,
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4. Tan V, Warner A, Nichols A, Winkquist E, Palma D.Impact of the Covid-19 Pandemic on Academic Productivity in Oncology: A Journal-, Conference-and Author-Level Analysis.Canadian Association of Radiation Oncology,
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Intellectual Property

Patents

1. A Method for Analyzing a Three-Dimensional Computed Tomography Image. United States of America. 61/896349. 2013/10/29.
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