

**THE UNIVERSITY OF BRITISH COLUMBIA**  
***Curriculum Vitae for Faculty Members***

Date: Sep 30, 2013

Initials:

1. **SURNAME:** Olson    **FIRST NAME:** Robert    **MIDDLE NAME:** Anton
2. **DEPARTMENT/SCHOOL:** UBC, Surgery, Division of Radiation Oncology and Developmental Radiotherapeutics; affiliate appointment University of Northern British Columbia, Department of Interdisciplinary Studies
3. **FACULTY:** Medicine
4. **PRESENT RANK:** Assistant Professor (Partner Faculty)    **SINCE:** Sep 1, 2010

5. **POST-SECONDARY EDUCATION**

(a)

University or Institution	Degree	Subject Area	Dates
Harvard University	MSc	Epidemiology	2009 – 2010
University of British Columbia	FRCPC	Radiation Oncology	2005 – 2010
University of Calgary	MD	Medicine	2002 – 2005
University of Calgary	BSc	First Class Honours in Cellular, Molecular, and Microbial Biology	1998 – 2002

**Title of Dissertation and Name of Supervisor**

**Master of Science (MSc) Thesis:** Prospective evaluation of legal difficulties and quality of life in adult survivors of childhood cancer. Supervisors: Dr. Karen Goddard (UBC) and Dr. E. Francis Cook (Harvard)

**Bachelor of Science (BSc) Honours Thesis:** Characterization of self-splicing activities of group II introns in *Sinorhizobium* and *E. coli* and investigation of a new tertiary interaction. Supervisor: Dr. Steven Zimmerly

(b) **Continuing Education/Training**

University or Institution	Rank or Title	Detail	Dates
BC Cancer Agency	Research Fellow	Radiation Oncology	Jul – Aug, 2010
University of British Columbia	Resident	Radiation Oncology	2005 – 2010

(c) **Continuing Medical Education**

University, Institution or Association	Type	Detail	Dates
University of Victoria	Online certificate program	Professional Specialization Certificate in Population Health Data Analysis	Jan 1, 2013 - Current
Scientist Knowledge Translation Training, UNBC	Educational Workshop	Knowledge translation workshop	Sep 27-28, 2012
Rural Health Services Research Network of BC	Educational Workshop	Aboriginal Research Ethics workshop	Jun 15, 2012
PHSA Indigenous Cultural Competency Training Program	Educational workshop	Group-based 8 week online course	Jan 16-Mar 12, 2012
ASCO Head and Neck Cancer Symposium	Research and educational symposium	Three day symposium featuring research and education sessions in H&N cancer	Jan 26-28, 2012

ASCO Breast Cancer Symposium	Research and educational symposium	Three day symposium featuring research and education sessions in breast cancer management	Sep 8-10, 2011
University of British Columbia, DEF Education Primer for Clinicians	Teaching workshop	Three workshops exploring teaching and evaluation methods for clinicians	Apr 15, 2011
University of British Columbia, ABC Educational Primer for Clinicians	Teaching workshop	Three workshops exploring teaching and evaluation methods for clinicians	Mar 10-11, 2011
International Psychosocial Oncology Society, Vienna, Austria	Research workshop	Workshop exploring quality of life measures in clinical trials	Jun 22, 2009
University of Washington, Seattle, Washington, USA	Radiobiology course	Course covering essential radiobiology concepts for radiation oncologists	May 14-15, 2009

(d) **Special Professional Qualifications**

Fellow of the Royal College of Physicians of Canada (FRCPC) - Radiation Oncology June, 2010.  
 Licentiate: College of Physicians and Surgeons of BC, July, 2007  
 Licentiate: Medical Council of Canada: December, 2006

6.

**EMPLOYMENT RECORD**

(a) *Prior to coming to UBC*

University, Company or Organization	Rank or Title	Dates
BC Cancer Agency, Vancouver Centre	Post-doctoral Fellow	Jul – Aug, 2010
University of British Columbia, Vancouver	Resident	Jul 2006 – Jun 2010
University of British Columbia, Victoria	Resident	Jul 2005 – Jun 2006
University of Calgary, Cancer Biology Research Group	Summer Research Student	Summer 2002
University of Calgary	Honours & Summer Research Student	2001 – 2002

(b) *Since Appointment to UBC*

University, Company or Organization	Rank or Title	Dates
UBC, Northern Medical Program	Director of Faculty Development	Oct 2013 – Current
Prince Rupert Regional Hospital	Radiation Oncologist	Aug 1, 2012 – Current
Mills Memorial Hospital	Radiation Oncologist	Aug 1, 2012 – Current
BC Cancer Agency, Centre for the North	Radiation Oncologist	Jul 16, 2012 – Current
Fort St. John Hospital & Health Centre	Radiation Oncologist	Sep 28, 2010 – Current
Dawson Creek & District Hospital	Radiation Oncologist	Sep 28, 2010 – Current
University Hospital of Northern BC	Radiation Oncologist	Sep 23, 2010 – Current
BC Cancer Agency, Vancouver Cancer Centre	Radiation Oncologist	Aug 23, 2010 – Jul 13, 2012

7. **LEAVES OF ABSENCE**

University, Company or Organization at which Leave was taken	Type of Leave	Dates
No leaves of absence		

## 8. **TEACHING**

### (a) *Areas of special interest and accomplishments*

The majority of my teaching experience to date has been supervising fellows, residents and medical students in clinical settings. In this role, I have emphasized teaching around Head & Neck, breast, lung, and palliative oncology. In addition, I have a specific interest in survivorship care, and psychosocial oncology, which I teach at the bedside, and through short didactic lectures. I have also placed significant emphasis on teaching trainees appropriate examination for head and neck cancers, including endoscopy.

In addition, I have extensive experience supervising and mentoring students at multiple levels in their research endeavors. I have been the primary supervisor of over 20 trainees on their research projects during their undergraduate programs, medical school, residency, graduate training or fellowship. I also have didactic teaching experience in biostatistics and epidemiology, and have been invited by the Radiation Oncology Residency Program to lead a continuing lecture series on how to systematically evaluate research manuscripts. I have also give lectures to this group on (1) developing viable research ideas for residency, (2) choosing an appropriate supervisor, (3) basics of epidemiology, and (4) survival analysis. From this, I have received consistently positive feedback around my approach to teaching.

I have also completed UBC's ABC and DEF Education Primer for Clinicians. From these opportunities, I have been able to improve my teaching and mentorship skills. I am currently the Radiation Oncology Fellowship Program Director at the BCCA Centre for the North, and the Discipline Site Specific Leader for undergraduate medical students at UBC's Northern Medical Program. I have recently been appointed as the first Director of Faculty Development for UBC's Northern Medical Program. In this role, I am responsible for ensuring that all teaching faculty have high quality training in teaching medical and other undergraduate health care students, across all of northern BC.

### (b) *Courses Taught at UBC/UNBC*

#### (i) *Undergraduate Scheduled Teaching*

Date(s)	Course Number	Scheduled Hours	Class Size	Hours Taught			
				Lectures	Tutorials	Labs	Other
Sep 10, 2013	UBC surgery rotation (province wide)	2	~50	2			
Jun 18, 2013	UBC NMP Surgery rotation	2	8	2			
May 28, 2013	UBC NMP Surgery rotation	2	8	2			
Nov 16, 2011	BCMB 401-3 (UNBC)	1	20	1			
Nov 17, 2010	HHSC 350 (UNBC)	1	40	1			

#### (ii) *Undergraduate Unscheduled Teaching*

Date(s) (Mth/Yr)	Class Size	Description of Activity	Hours
N/A			

## (iii) Postgraduate Scheduled Teaching

Date(s)	Hours	Class Size	Group	Topic
May 7, 2013	2	16	Family Practice Residents (PG)	Radiation Oncology & Radiation Oncology Emergencies
Feb 20, 2013	2	6	Rad Onc Residents	Interpretation of Retrospective Reviews
Dec 6, 2012	2	8	Rad Onc Residents	Critical Appraisal of Journal Articles
May 10, 2012	2	8	Rad Onc Residents	Unknown Primary Head & Neck Cancer
May 10, 2012	2	8	Rad Onc Residents	Head & Neck Cancer RT Treatment Planning
Mar 8, 2012	2	8	Rad Onc Residents	IMRT Physics in Head & Neck Cancer
Aug 4, 2011	2	8	Rad Onc Residents	Survival Analysis using SPSS
Jun 8, 2011	2	10	Rad Onc Residents	Introduction to Head & Neck Oncology
May 26, 2011	4	8	Rad Onc Residents	Practice Oral Presentations for Residents' Day
May 19, 2011	4	4	Rad Onc Residents	Senior Resident Annual Exams
Sep 8, 2010	2	5	Palliative Care Fellows	Radiotherapy for Palliative Care Physicians
Feb 3, 2010	2	10	Rad Onc Residents	Impact of Dose per Fraction in Radiotherapy
Nov 9, 2009	2	10	Rad Onc Residents	Approach to Spinal Cord Compressions
Oct 7, 2009	2	10	Rad Onc Residents	Pelvic Anatomy for the Radiation Oncologist
Sep 9, 2009	3	4	Palliative Care Fellows	The Role of Palliative Radiotherapy
Sep 3, 2009	2	10	Rad Onc Residents	Survival Analysis using SPSS
Aug 27, 2009	2	10	Rad Onc Residents	Tips on Selecting a Research Project in Residency
Aug 27, 2009	2	10	Rad Onc Residents	Introduction to Epidemiology and Biostatistics

## (ii) Postgraduate Unscheduled Teaching

Date(s) (Mth/Yr)	Class Size	Description of Activity	Hours
Oct 4 - 14, 2010	1	Senior Resident Practice Exams	6.5

## (c) Graduate Students or Fellows Supervised and/or Co-Supervised

Student Name	Program Type	Year		Principal Supervisor(s)	Co-Supervisor(s)
		Start	Finish		
Kwamena Beecham	Radiation Oncology Fellowship	2013	current	<b>Robert Olson</b>	Stacy Miller, Boris Valev
Manpreet Tiwana	Radiation Oncology Fellowship	2012	2013	<b>Robert Olson</b>	Stacy Miller, Boris Valev
Elisa Chan	Radiation Oncology Fellowship	2012	2012	Hannah Carolan	Mitchell Liu, <b>Robert Olson</b> , Scott Tyldesley
Jeff Cao	Radiation Oncology Fellowship	2011	2012	Scott Tyldesley and <b>Robert Olson</b>	N/A
Matthew Follwell	Radiation Oncology Fellowship	2010	2011	Jonn Wu	Eric Berthelet, John Hay, <b>Robert Olson</b>

## (d) Participation on Graduate Student Supervisory Committees

Student Name	Program Type	Year		Committee Member
		Start	Finish	
Mark Barnes	MSc Chemistry (UNBC)	2011	2013	Chow Lee, <b>Robert Olson</b> , Stephen Rader

(e) *Continuing Education Activities (include CME courses taught)*

(f) *Visiting Lecturer (indicate university/organization and dates)*

1. April 5, 2013. Invited speaker at Critical Care in the North, Rural to Referral. *Radiation Oncology Emergencies*. Prince George, BC, Canada.
2. Oct 11, 2012. Invited speaker to the University Hospital of Northern British Columbia's Nursing Workshop. *Introduction to Radiation Oncology and Oncologic Emergencies*. Prince George, BC, Canada.
3. May 16, 2012. Invited speaker to a Vanderhoof Family Practice CME event. *Radiotherapy basics and indications*.
4. May 5, 2012. Invited speaker at the 1<sup>st</sup> Realities of Northern Oncology Conference. *Radiation Oncology Primer*. Prince George, BC, Canada.
5. Invited lecture at the University of Northern British Columbia. *Radiation Oncology and Radiobiology*. Nov 16, 2011.
6. Invited lecture at the University of Northern British Columbia. *Evaluation of Selection Bias in Clinical Trials*. Nov 17, 2010.
7. October 30, 2007. Invited speaker at the Burnaby General Hospital Palliative Care Interdisciplinary Rounds. *Hepatic Encephalopathy in Palliative Care*. Burnaby, BC, Canada.

(g) *Other*

1. UBC, Northern Medical Program, Oral Examiner for Surgery Clerkship Exams. 2012 – Current
2. UBC, Radiation Oncology Residency Program, Oral Examiner for Senior Radiation Oncology Residents Annual Exam. 2010 – 2013

## 9. SCHOLARLY AND PROFESSIONAL ACTIVITIES

### (a) *Areas of special interest and accomplishments*

My most prominent research to date is focused on disparities in cancer care and outcomes between patients living in urban and rural areas, including a recent manuscript in the Canadian Journal of Public Health focused on breast cancer disparities. I have developed collaborations within British Columbia (BC) creating a multidisciplinary team of researchers with an interest in exploring disparities in access to oncology care, as well as cancer outcomes. I am particularly interested in exploring whether rural and socially disadvantaged groups (such as Aboriginal peoples) have equal access to prevention, screening, surgery, radiotherapy, chemotherapy, follow-up, and palliative care services.

The primary focus of my current research is on patient reported outcomes (PROs). I am the co-Principal Investigator, and Clinical Lead of a BCCA provincial project titled the Prospective Outcomes and Support Initiative (POSI) which has received over one million dollars in grant funding, and is focused on collecting PROs on all patients receiving radiotherapy with BC. This is a large collaboration between radiation oncologists, nurses, radiation therapists, and medical physicists, which I lead. It has the potential to be the largest population based collection of cancer PROs worldwide, and will enable real-world clinical trials that can answer pragmatic questions that are not possible to answer with standard clinical trials. To date, we have a > 93% accrual rate, excellent buy-in from front line staff, and the vision to expand this to all cancer patients going through the BCCA (i.e. including patients receiving surgery and chemotherapy).

I have also spent a significant amount of my research career focusing on side effects of cancer therapies including (1) investigating the accuracy of breast radiotherapy techniques developed to reduce side effects, (2) avoiding inadvertent radiotherapy exposure in pregnancy (3) exploring pediatric oncologists' views on discussing potential side effects with young cancer patients and their families, and (4) exploring cognitive side effects of cancer treatments. I have lead several research projects investigating a new cognitive screening test, the Montreal Cognitive Assessment (MoCA), in patients with brain tumours, which has been highly referenced. From this research, my research team has demonstrated that the MoCA is more sensitive in detecting cognitive impairment than the current standard cognitive screening test, the Mini Mental State Examination (MMSE). Furthermore, we demonstrated that the MoCA is better correlated with patients' health related quality of life and ability to integrate back into their community. For this work, I received the Canadian Association of Psychosocial Oncology's Award in Support of Psychosocial Excellence on two occasions, and the Canadian Association of Radiation Oncology's Jean Roy Memorial Award.

My ultimate goal is to improve the care of patients in BC, especially those living in rural and remote regions. I work clinically as a Radiation Oncologist in Prince George, BC, serving the widely dispersed, and sparsely population Northern Health Authority. In addition, I travel to Fort St. John, Dawson Creek, Smithers, Terrace, Prince Rupert, and Haida Gwaii, providing oncology consultations and radiation oncology follow up services.

Since starting with UBC's Northern Medical Program (NMP), I have developed research partnerships at the University of Northern BC, with community nurse caregivers in Prince George and Queen Charlotte City, with Communities Oncology Network clinic staff in Terrace, Vanderhoof, Dawson Creek, and Smithers, and nationally through the Canadian Centre for Applied Research in Cancer, the Canadian Association of Radiation Oncologists, and the Canadian Rural Health Research Network. I believe spending time in rural and remote communities delivering care and networking with community clinicians is an essential first step in developing a research career exploring cancer service to all of BC, including rural and remote communities. Through these and other collaborations, I have secured 21 research grants worth over \$2.4M since starting with the NMP, 11 of which are related to rural and remote cancer service delivery.

## (b) Research or equivalent grants (competitively (C) or non-competitively (NC))

Granting Agency	Subject	C vs. NC	\$	Years	Principal Investigator(s)	Co-Investigator(s)
BCCA: Varian Medical Systems Master Research Agreement	Prospective Outcomes and Support Initiative	C	\$1,139,188	2013 – 2016	<b>Robert Olson,</b> Wayne Beckham	Helena Daudt, Joanne Stephen, Ivo Olivotto, Scott Tyldesley, Gaurav Bahl, Tom Pickles, Gerlad Gelowitz, Amanda Bolderston, John French, Stephanie Aldridge, Frankie Goddwin, Ross Halperin
Canadian Breast Cancer Foundation	Investigating bottlenecks and barriers to breast cancer care in Haida Gwaii	C	49,982	2013 – 2014	<b>Robert Olson</b>	Tracy Morton, Pamela Tobin, Candice Manahan, Caitlin Blewett, Bill Clifford
Vancouver Foundation	Investigating bottlenecks and barriers to cancer care in Haida Gwaii	C	57,002	2013 – 2014	<b>Robert Olson</b>	Tracy Morton, Pamela Tobin, Candice Manahan, Caitlin Blewett, Bill Clifford
BCCA: Varian Medical Systems Master Research Agreement	Phase II trial of hippocampal sparing whole brain radiotherapy	C	60,000	2013 – 2014	Devin Schellenberg	<b>Robert Olson,</b> Fred Hsu, Hannah Carolan, Elaine Wai, Fred Cao, Nimet Nuraney, Michael Peacock, Alan Nichol, Islam Mohamed
Applied Research in Cancer Control	Assessing utility and motivation practice change in palliative radiation therapy	C	68,000	2012 – 2014	<b>Robert Olson</b>	Ivo Olivotto, Joanne Stephen, John French, Helena Daudt
Canadian Breast Cancer Foundation	Omission of radiotherapy for women with low risk, luminal A breast cancer	C	185,230	2012 – 2013	Sally Smith	David Voduc, <b>Robert Olson,</b> Arthur Cheung, Winkle Kwan, Melanie Reid, Torsten Nielson
Underwear Affair (BC Cancer Foundation)	Impact of community size on staging, treatment, and outcomes in rectal cancer	C	16,250	2012 – 2013	Shilo Lefresne & <b>Robert Olson</b>	Winson Cheung, Ryan Woods, Caroline Speers

BCCA: Varian Medical Systems Master Research Agreement	Novel SBRT technique (VASER) for endobronchial tumours	C	25,170	2012 - 2013	Dawn Owen & Mitchell Liu	Hannah Carolan, <b>Robert Olson</b> , Annette McWilliams, Stephen Lam, Tawaimas Shaipanich, Rustom Dubash, William Kwa
Northern Cancer Control Strategy	Impact of community size on patterns of practice in rectal cancer	C	2,000	2012	<b>Robert Olson</b> & Shilo Lefresne	Winson Cheung, Ryan Woods, Caroline Speers
Northern Cancer Control Strategy	Unlocking the Potential of Shared Care: Cancer Survivorship	C	2,000	2012	Dan Horvat	Richard Doll, Arminee Kazanjian, <b>Robert Olson</b> , Amanda Ward, Phil White
Shared Care Committee	Northern Partners in Shared Care	C	345,000	2012	Dan Horvat	Paul Winwood, <b>Robert Olson</b> , Bill Clifford, et al.
CIHR	Survivorship: Shared care between Family Physicians and specialists	C	21,101	2011 - 2012	Dan Horvat	Richard Doll, Arminee Kazanjian, <b>Robert Olson</b> , Geoff Payne, Jeff Sisler, Amanda Ward, Phil White
Canadian Breast Cancer Foundation	Breast Cancer in British Columbia's Northern Communities: the Cancer Care Spectrum	C	142,800	2011 - 2012	Nadine Caron	Arminee Kazanjian, Chris Bajdik, <b>Robert Olson</b> , Scott Tyldesley
Northern Medical Program Seed Grant	Prognostic Utility of Distress Screening in Lung Cancer	C	10,000	2011	<b>Robert Olson</b> , Wolfgang Linden	N/A
CARO-Elekta Fellowship	Optimization of High Precision Radiotherapy Utilization and Resource Allocation using Operations Research Methodologies	C	75,000	2011 - 2012	Jeff Cao	<b>Robert Olson</b> , Scott Tyldesley
Northern Medical Program Seed Grant	Cytoplasmic Expression of APE-1 in human cancer cells	C	14,000	2011 - 2012	Chow Lee, <b>Robert Olson</b>	N/A



Public Health Agency of Canada	Delivering Cancer Survivorship Care to Rural and Remote Communities	C	213,054	2010 - 2012	<b>Robert Olson</b>	Amanda Ward, Pam Tobin, Arminee Kazanjian, Nadine Caron, Christopher Longo, Fuchsia Howard
ASRT Education and Research Foundation	Assessment of Rural and Urban Family Physicians Knowledge of Palliative Radiation Therapy	C	9,971	2010	Jenny Soo	John French, Colleen Mcgahan, Scott Tyldesley, <b>Robert Olson</b> , & Sonca Lengoc
CIHR Team for Supportive Care in Cancer	Exploring medical and psychosocial needs of cancer survivors	C	20,470	2010	Fuchsia Howard	Richard Doll, Kirsten Smilie, Karen Goddard, Sheila Pritchard, <b>Robert Olson</b>
Porte Neuro-Oncology Endowment Fund	Evaluation of two cognitive screening tools for use in neuro-oncology	C	8,474	2008	<b>Robert Olson &amp; Michael McKenzie</b>	Maureen Parkinson, Grant Iverson, Brian Brooks, Hannah Carolan
Fraser Valley Interdisciplinary Research Grant	Validation of the Montreal Cognitive Assessment in brain tumour patients	C	9,625	2008	<b>Robert Olson &amp; Maureen Parkinson</b>	Michael McKenzie, Grant Iverson, Hannah Carolan, Gina Mackenzie

(c) *Research or equivalent contracts (indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC)).*

Granting Agency	Subject	COMP	\$ Per Year	Year	Principal Investigator	Co-Investigator(s)
N/A						

(d) *Invited Presentations*

- Aug 23, 2012. Invited speaker at the Provincial Health Services Authority board meeting. *Cancer Research Program in Northern BC*. Prince George, BC, Canada.
- Mar 5, 2012. Invited speaker at the provincial Head and Neck Cancer Rounds. *Updates from the Multidisciplinary HN Conference in Phoenix, AZ*. Vancouver, BC, Canada.
- Feb 17, 2012. Invited speaker at the provincial Head and Neck Cancer Retreat. *Retrospective comparison of 2 feeding tube approaches for H&N cancer patients*. Vancouver, BC, Canada.
- Dec 10, 2011. Invited keynote speaker at the 2011 Haida Gwaii Health Fair. *Breast Cancer in British Columbia*. Haida Gwaii, BC, Canada.
- November 7, 2011. Invited speaker at the WB & MH Chung Lectureship and Research Day, Department of Surgery, University of British Columbia. *Effect of community population size on breast cancer screening, stage distribution, treatment utilization, and survival outcomes*. Vancouver, BC, Canada.
- November 1, 2011. Invited speaker at the Northern Health Research Days 2011. *Northern Cancer Control Strategy Research Panel*. Prince George, BC, Canada.

7. September 22, 2011. Invited speaker at the 1<sup>st</sup> Northern Oncology Lecture. *Effect of community population size on breast cancer screening, stage distribution, treatment utilization, and survival outcomes*. Prince George, BC, Canada.
8. June 27, 2011. Invited speaker at the BCCA Provincial Stereotactic Body Radiotherapy Meeting. *Pros and cons of maintaining RTOG clinical trial membership*. Vancouver, BC, Canada.
9. May 27, 2011. Invited speaker at the BCCA Provincial Breast Cancer Meeting. *Impact of IMN radiation: BCOU analysis*. Vancouver, BC, Canada.
10. October 22, 2010. Invited speaker at the WB & MH Chung Lectureship and Research Day, Department of Surgery, University of British Columbia. *Potential Research Collaboration between UBC, BCCA and Northern Health within the department of surgery*. Vancouver, BC, Canada.
11. April 24, 2009. Invited speaker at the BC Cancer Agency Provincial Breast Radiation Oncology Retreat. *Impact of internal mammary node inclusion in the radiation treatment volume on the outcomes of breast cancer patients treated with locoregional radiation*. Vancouver, BC, Canada.
12. February 13, 2009. Invited speaker at the BC Cancer Agency Neuro-Oncology Symposium. *Collaborations between the BCCA and the BC Mental Health & Addiction Services*. Vancouver, BC, Canada.

(e) *Other Presentations*

1. June 18, 2010. Invited speaker at the BC Cancer Agency Radiation Oncology Residents' Research Day. *Prospective comparison of the prognostic utility of two cognitive screening tests in patients with brain metastases*. Vancouver, BC, Canada.
2. June 19, 2009. Invited speaker at the BC Cancer Agency Radiation Oncology Residents' Research Day. *Relationship between the surgical cavity and the cutaneous setup markers used in the Canadian randomized trial of accelerated partial breast irradiation*. Vancouver, BC, Canada.
3. June 20, 2008. Invited speaker at the BC Cancer Agency Radiation Oncology Residents' Research Day. *Sensitivity of the Mini Mental State Examination in brain tumour patients*. Vancouver, BC, Canada.
4. June 15, 2007. Invited speaker at the BC Cancer Agency Radiation Oncology Residents' Research Day. *Feasibility study of the Montreal Cognitive Assessment in patients with brain metastases*. Vancouver, BC, Canada.

(f) *Other*

(g) *Conference Participation (Organizer, Keynote Speaker, etc.)*

1. Advisory Committee, 2013 Canadian Rural Health Research Society Annual Conference.
2. Knowledge Mobilization Panel Member, Northern Health Research Days 2012.
3. Planning committee member and faculty, 1st Annual Realities of Northern Oncology Conference (RONOC) 2012.
4. Moderator, *Pathways and Process* poster session, Canadian Association of Radiation Oncology (CARO) Annual Conference 2011.

## 10.1 **SERVICE TO THE UNIVERSITY**

(a) *Memberships on committees, including offices held and dates*

1. Member, UBC, Department of Surgery, *Appointment, Reappointment, Tenure and Promotion Committee*, 2013 – present
2. Adjudicator, UBC, *MD Undergraduate Student Research Scholarship review Committee*, 2013 – present
3. Member, UBC, *Radiation Oncology Undergraduate Training Committee*, 2012 – present
4. UBC/BCCA, *Data Safety Monitoring Committee IMAX Phase II trial*, 2012
5. Adjudicator, UBC, *Killam Graduate Teaching Assistant Award*, 2012
6. Interviewer, UBC, *Radiation Oncology Residency Program*, 2012
7. Member, BCCA, *Peter Poon Memorial Award Committee*, 2011 – present
8. Member, UBC, *Department of Surgery Award Adjudication Committee*, 2011 – present
9. Interviewer, UBC/BCCA, *Medical Oncology residency program (return-of-service)*, 2011
10. Faculty, UBC, *Northern Medical Program*, Sep 2010 – present

11. Member, UBC, *Radiation Oncology Residency Training Committee*, Aug 2010 – present

(b) *Other service, including dates*

1. Regional Director of Faculty Development, UBC Northern Medical Program
2. Disease Site Specific Leader, Radiation Oncology, UBC Northern Medical Program
3. Faculty internal reviewer of UBC Residency Programs:
  - a. Gynecological Oncology, Jun 1, 2011
4. Resident internal reviewer of UBC Residency Programs:
  - a. Adult Nephrology, Nov 27, 2009
  - b. Pediatric Gastroenterology, Oct 6, 2008
  - c. Family Medicine (Victoria), Jun 13, 2006
  - d. Pediatric Neurology, Feb 24, 2006
  - e. Medical Genetics, Dec 9, 2005 (observer)

**10.2 SERVICE TO HOSPITAL**

(a) *Memberships on committees, including offices held and dates*

1. Lead, Research and Clinical Trials, BCCA Centre for the North, 2013 - present
2. Member, BCCA Provincial Clinical Design Team: iPad Mobility project. 2012 - 2013
3. Member, BCCA Provincial Survivorship Steering Committee, 2011 - present
4. Chair, BCCA Grace Shane Bursary Selection Committee 2011, 2012, 2013
5. Director, BCCA CN Radiation Oncology Fellowship Program, 2011 – present
6. Member, Medical Equipment Evaluation Team – BCCA Centre for the North Equipment Procurement process, 2011 – 2012
7. Founder & Member, Vancouver Palliative Rapid Access Group, 2011 – 2013
8. Member, BCCA working group to avoid inadvertent radiation to pregnant patients, 2010 – 2012
9. Member, BCCA Breast Tumor Group, 2010 – present
10. Member, BCCA Lung Tumor Group, 2010 – present
11. Member, BCCA Head & Neck Tumor Group, 2010 – present
12. Member, BCCA, SBRT group, 2010 – present

(b) *Other service, including dates*

**11. SERVICE TO THE COMMUNITY**

(a) *Memberships on scholarly societies, including offices held and dates*

1. Member, Academic Research Committee of the Screening Mammography Program of BC, 2012 - Present
2. Member, Royal College of Physicians and Surgeons of BC, 2010 – Present
3. Associate Member, American Society for Clinical Oncology (ASCO), 2009 – Present
4. Member, American Society for Therapeutic Radiation and Oncology (ASTRO), 2010 – Present
5. Member, Canadian Association for Radiation Oncology (CARO), 2005 – Present
6. Member, BC Medical Association, 2005 – Present
7. Member, Alberta Medical Association, 2002 – Present

(b) *Memberships on other societies, including offices held and dates*

1. British Columbia Association of Radiation Oncologists
  - a. Executive Committee, Jan 2013 – Current
  - b. Member, Sep 2010 – Current
2. Canadian Association of Radiation Oncology
  - a. Symptom Control in Radiation Oncology Advisory Group, Sep 2010 – Current
  - b. Canadian Partnership for Quality Radiotherapy, Sep 2010 – Current
3. St. John Ambulance

- a. British Columbia Branch Executive Committee Member, 2009 – 2010
  - b. Alberta Public Relations Officer, 2003 – 2005
  - c. Calgary, Division 136 Community Service Coordinator, 1999 – 2003
  - d. Calgary Brigade Member, 1998 – 1999
4. Canadian Association of Interns and Residents
- a. Education and Professionalism Committee Member. 2008 – 2009
  - b. External Residency Program Reviewer: Neuro-radiology (Ottawa), June 3, 2008.

(c) *Memberships on scholarly committees, including offices held and dates*

(d) *Memberships on other committees, including offices held and dates*

1. Northern BC Shared Care Committee member, May 2011 – Present

(e) *Editorships (list journal and dates)*

(f) *Reviewer (date of first review in descending order)*

1. Canadian Medical Association Journal (CMAJ)
  - a. Sep 2013
2. PLOS ONE
  - a. Sep 2013
3. Physicians' Services Incorporated Foundation (Resident Research Grant external reviewer)
  - a. Aug 2013
4. Breast Cancer: Targets and Therapy
  - a. May 2013
5. Clinical Epidemiology
  - a. Jan 2013
6. Journal of Supportive Care in Cancer
  - a. July 2013
  - b. May 2013
  - c. April 2013
  - d. Feb 2013
  - e. Jan 2013
7. Radiation Oncology
  - a. Feb 2013
  - b. Oct 2012
  - c. Aug 2012
8. OncoTargets and Therapy
  - a. May 2013
  - b. Aug 2012
9. Canadian Breast Cancer Foundation Research Grants
  - a. Jun 2012
10. Nursing: Research and Reviews
  - a. Jun 2012
11. International Journal of General Medicine
  - a. Mar 2012
12. International Journal of Radiation Oncology, Biology, Physics
  - a. Jul 2013
  - b. Mar 2013
  - c. Feb 2012
13. Journal of Medical Imaging and Radiation Oncology
  - a. May 2013
  - b. Apr 2012
  - c. Feb 2012
  - d. Jan 2012

14. Journal of Cancer Epidemiology
  - a. Jun 2011
15. Annals of Surgical Oncology
  - a. May 2011
16. Canadian Association of Radiation Oncology Annual Conference (abstract reviewer)
  - a. 2013
  - b. 2012
  - c. 2011
17. Canadian Journal of Neurological Sciences
  - a. May 2013
  - b. Dec 2010
  - c. Jan 2010
  - d. Dec 2009
  - e. Aug 2009

(g) *External examiner (indicate universities and dates)*

(h) *Consultant (indicate organization and dates)*

1. Canadian Partnership Against Cancer (represented BC Cancer Agency): Regional Consultation Session, March 1, 2012

(i) *Other service to the community*

1. Harvard School of Public Health: International Alumni Ambassador, 2012 - Current
2. Tenth Avenue Alliance Church: Youth Group Leader, 2006 – 2008
3. First Alliance Church: Youth Group Leader & Camp Counselor, 1998 – 2005
4. University of Calgary: Medical School Small Group Leader, 2002 – 2005

## **12. AWARDS AND DISTINCTIONS**

(a) *Awards for Teaching (indicate name of award, awarding organizations, date)*

(b) *Awards for Scholarship (indicate name of award, awarding organizations, date)*

1. Award in Support of Psychosocial Oncology Excellence, Brain Tumour Foundation of Canada, 2012
2. Jean Roy Memorial Award, Canadian Association of Radiation Oncology, 2010
3. Grace Shane Bursary, BC Cancer Agency, 2009 & 2010
4. APOS 2010 Fellowship, American Psychosocial Oncology Society, 2010
5. Residency Training Program Award for Best Research Project, BC Cancer Agency, 2008 & 2010
6. Award in Support of Psychosocial Oncology Excellence, Brain Tumour Foundation of Canada, 2009
7. John & Lorena Redekop Radiation Oncology Fellowship, BC Cancer Agency, 2009
8. Joseph Albert Award in Clinical Oncology, University of Calgary, 2004
9. Summer Studentship, Alberta Heritage Foundation for Medical Research, 2002
10. Undergraduate Merit Award, University of Calgary, 2002
11. Department of Biological Sciences Dean's List, University of Calgary, 2000 – 2002

(c) *Awards for Service (indicate name of award, awarding organizations, date)*

(d) *Other Awards*

## **13. OTHER RELEVANT INFORMATION**

I have developed didactic and mentoring teaching experience in epidemiological research methods, predominantly working with medical students, radiation oncology residents and fellows, and radiation oncology colleagues.

**THE UNIVERSITY OF BRITISH COLUMBIA*****Publications Record*****SURNAME:** Olson**FIRST NAME:** Robert**Initials:****MIDDLE NAME(S):** Anton**Date:** Sep 30, 2013**1. REFEREED PUBLICATIONS (\*indicates role was of primary importance)****(a) *Journals***

1. \***Olson R**, Howard F, Turnbull K, Munroe D, Zirul C, Manji R, Tobin P, Ward A. Prospective evaluation of unmet needs of rural & aboriginal cancer survivors in northern British Columbia. Accepted to Current Oncology Sep 30, 2013.
2. Davidson A, Chia S, **Olson R**, Nichol A, Speers C, Coldman A, Bajdik C, Woods R, Tyldesley S. Population-based stage, treatment and outcomes cohort study for patients diagnosed with breast cancer in British Columbia in 2002. Accepted to CMAJ Sep 18, 2013.
3. Lund C, Cao J, **Olson R**, Halperin R, Liu M. The distribution and patterns of practice of stereotactic ablative body radiotherapy in Canada. Accepted to Journal of Medical Imaging and Radiation Sciences Sep 4, 2013.
4. \***Olson R**, Karam I, Wilson G, Bowman A, Lee C, Wong F. Population based comparison of two feeding tube approaches for head & neck cancer patients receiving concurrent systemic-radiation therapy: Is a prophylactic feeding tube approach harmful or helpful? Accepted to Supportive Care in Cancer, Aug 3, 2013.
5. Cao J, **Olson R**, Tyldesley S. Comparison of Recurrence and Survival Rates between Breast-Conserving Therapy and Mastectomy in Young Women with Breast Cancer. Current Oncology. Accepted June 5, 2013
6. Lefresne S, Olivotto I, Jo H, Blood P, and \***Olson R**. Impact of Quality Assurance Rounds in a Canadian Radiotherapy Department. Int J Radiat Oncol Biol Phys 2013; 85 (3) e117-121.
7. Palma D, Haasbeek C, Rodrigues G, Dahele M, Lock M, Yaremko B, **Olson R**, Liu M, Panarotto J, Griffioen G, Gaede S, Slotman B, Senan S. Stereotactic ablative radiotherapy for comprehensive treatment of oligometastatic tumors (SABR-COMET): Study protocol for a randomized phase II trial. BMC Cancer 2012; 12 (1) 305.
8. Lengoc S, Soo J, McGahan C, French J, Tyldesley S, \***Olson R**. Referral Patterns of Patients for Palliative Radiation Therapy in British Columbia: A Comparison Between Rural and Urban Family Physicians. Journal of Medical Imaging and Radiation Sciences 2012; 43: 161-7.
9. \***Olson R**, Lengoc S, Tyldesley S, French J, McGahan C, Soo J. Relationships between family physicians' referral for palliative radiotherapy, knowledge of radiotherapy indications, and prior training: a survey of rural and urban physicians. Radiation Oncology 2012; 7(73).
10. **Olson R**, Caon J, Tyldesley S, Bergman A, Bobinski M A, Fong M, Vellani R, Goddard K. National survey of health care providers' views on the risk of inadvertent exposure of pregnant patients to ionizing radiation in Canadian radiotherapy departments. J Radiat Oncol 2012; 1(1): 81-5.
11. Kosztyla R, **Olson R**, Carolan H, Balkwill S, Moiseenko V, Kwan W. Dosimetric consequences of seroma contour variability in accelerated partial breast irradiation by construction of a representative seroma contour. Int J Radiat Oncol Biol Phys 2012;84:527-32.
12. \***Olson R**, Woods R, Speers C, Lau J, Lo A, Truong P, Tyldesley S, Olivotto I, Weir L. Does the intent to irradiate the internal mammary nodes impact survival in women with breast cancer? A population based analysis in British Columbia. Int J Radiat Oncol Biol Phys 2012; 83(1):e35-41.
13. Caon J, **Olson R**, Tyldesley S, Bergman A, Bobinski M, Fong M, Ma V, Vellani R, Goddard K. Assessing the risk of inadvertent radiation exposure of pregnant patients during radiation therapy planning and treatment in British Columbia. Practical Radiation Oncology 2012; 2(3):179-85.
14. \***Olson R**, Nichol A, Caron N, Olivotto I, Speers C, Chia S, Davidson A, Coldman A, Bajdik C, Tyldesley S. Population based comparison of breast cancer screening and treatment utilization by health care region in a Canadian province. Can J Public Health 2012;103(1):46-52.
15. \***Olson R**, Bobinski MA, Ho A, Goddard K. Oncologists' views of informed consent and shared decision making in paediatric radiation oncology. Radiotherapy & Oncology 2012;102:210-13.

16. \***Olson R**, Brastianos P, Palma D. Predictive value of epigenetic silencing of MGMT in patients with high grade gliomas: A systematic review and meta-analysis. *Journal of Neuro-Oncology* 2011;105(2):325-35.
17. \***Olson R**, Iverson G, Carolan H, Parkinson M, Brooks B, McKenzie M. Prospective comparison of two cognitive screening tests: Diagnostic accuracy and correlation with community integration and quality of life. *Journal of Neuro-Oncology* 2011;105(2):337-44.
18. \***Olson R**, Tyldesley S, Carolan H, Parkinson M, Chhanabhai T, McKenzie M. Prospective comparison of the prognostic utility of the Mini Mental State Examination and the Montreal Cognitive Assessment in patients with brain metastases. *Supportive Care in Cancer* 2011;19(11):1849-55.
19. \***Olson R**, Hung G, Bobinski M A, Goddard K. Prospective evaluation of legal difficulties and quality of life in adult survivors of childhood cancer. *Pediatr Blood Cancer* 2011;56:437-43.
20. \***Olson R**, Parkinson M, McKenzie M. Selection bias introduced by neuropsychological assessments. *Canadian Journal of Neurological Sciences* 2010;37:264-8.
21. \***Olson R**, Chhanabhai T, McKenzie M. Feasibility study of the Montreal cognitive assessment (MoCA) and comparison with the mini mental state examination (MMSE) in patients with brain metastases. *Support Care Cancer* 2008;16:1273-8. [*cited 63 times; including 24 times in 2010*]
22. Hausner G, **Olson R**, Johnson I, Simon D, Sanders E, Karol K, McCourt R, and Zimmerly S. Origin and evolution of *trnK (matK)* intron: A model for evolution of group II intron RNA structures. *Molecular Biology and Evolution* 2006;23(2):380-91.
23. Dai L, Toor N, **Olson R**, Keeping A, Zimmerly S. Database for mobile group II introns. *Nucleic Acids Research* 2003;31(1):424-6. [highlighted in the NetWatch section of **Science** 2004;303:1115.]

(b) *Letters to the Editor*

1. \***Olson R**. Letter to the editor: Study methodology limitations prevent drawing conclusions on low-level laser therapy to prevent oral mucositis for head and neck cancer patients receiving concurrent chemoradiotherapy. *Int J Radiat Oncol Biol Phys*, 2013;85(4):895.
2. Le D, **Olson R**. Letter to the editor: Is one-on-one patient navigation cost-effective and necessary? *CMAJ*. Epub Oct 24, 2011.
3. \***Olson R**. Letter to the Editor: Selection bias potentially overestimates risk of breast pain from radiotherapy. *Radiotherapy & Oncology*, 2011;99(1):99.

(c) *Published Conference Abstracts*

1. \***Olson R**, Tiwana M, Barnes M, Miller S, Hoegler D. Use of single fraction palliative radiation therapy for bone metastases: population-based practice patterns in British Columbia over a 5-year period. Oral presentation at the American Society of Therapeutic Radiation Oncology (ASTRO) 55th Annual Meeting, Sep 22 - 24, 2013. *Int J Radiat Oncol Biol Phys* 2013; 87 (3) S88-9 (abstract 215).
2. Tiwana M, Wu J, Hay J, Wong F, and \***Olson R**. Head-and-neck cancers as a second primary following an index head-and-neck cancer: population-based outcomes over a 25-year period. ASTRO 55th Annual Meeting, Sep 22 - 24, 2013. *Int J Radiat Oncol Biol Phys* 2013; 87 (3) S481-2 (abstract 2731).
3. Lefresne S, Levy K, Cashman R, Santibanez P, Tyldesly S, and \***Olson R**. A multidisciplinary rapid access clinic: more than just rapid access. ASTRO 55th Annual Meeting, Sep 22 - 24, 2013. *Int J Radiat Oncol Biol Phys* 2013; 87 (3) S568 (abstract 2959).
4. \***Olson R**, Turnbull K, Munroe D, Tobin P, Ward A. Prospective evaluation of unmet needs of rural cancer survivors: Comparison between rural aboriginal and non-aboriginal communities. ASTRO 55th Annual Meeting, Sep 22 - 24, 2013. *Int J Radiat Oncol Biol Phys* 2013; 87 (3) S568 (abstract 2974).
5. \***Olson R**, Munroe D, Turnbull K, Ward A, Tobin P. Prospective evaluation of unmet needs of rural cancer survivors: Comparison between four First Nations and four non-First Nation communities. Oral presentation at the Canadian Association of Radiation Oncology (CARO) Annual Meeting, Sep 18 - 22, 2013. *Radiotherapy & Oncology* 108 (Suppl. 1): S9 (abstract 22).
6. Ye A, Cheung W, Goodard K, **Olson R**. Pattern of follow-up in oncologic care across Canada. CARO Annual Meeting, Sep 18 - 22, 2013. *Radiotherapy & Oncology* 108 (Suppl. 1): S67 (abstract 176).

7. Lefresne S, Cheung W, Hay J, Speers C, **Olson R**. Population based exploration of radiotherapy utilization in rural, small, and urban local health authorities. CARO Annual Meeting, Sep 18 - 22, 2013. Radiotherapy & Oncology 108 (Suppl. 1): S90 (abstract 239).
8. \***Olson R**, Tiwana M, Barnes M, Miller S, Hoegler D. Use of single fraction palliative radiotherapy for bone metastases: Population based practice patterns over a five year period. \***Olson R**, Munroe D, Turnbull K, Ward A, Tobin P. Prospective evaluation of unmet needs of rural cancer survivors: Comparison between four First Nations and four non-First Nation communities. CARO Annual Meeting, Sep 18 - 22, 2013. Radiotherapy & Oncology 108 (Suppl. 1): S90-1 (abstract 241).
9. \***Olson R**, Munroe D, Turnbull K, Ward A, Tobin P. Prospective evaluation of unmet needs of rural cancer survivors: Comparison between four First Nations and four non-First Nation communities. American Psychosocial Oncology 10<sup>th</sup> Annual Conference Feb 13 – 17, 2013. Psycho-Oncology 22 (Suppl. 2): 28 (abstract 13-1)
10. Lo A, Liu M, Chan E, Lund C, Loewen S, Cao J, Schellenberg D, Carolan H, Berrang T, **Olson R**. A province wide quality assurance (QA) review of stereotactic body radiotherapy (SBRT) treatment planning for lung cancer. ASTRO Annual Meeting. Oct 28 – 31, 2012. Int J Radiat Oncol Biol Phys; 84(3) S132.
11. **Olson R**, Wong F, Wu J, Hay J. Twenty-five-year Survival Outcomes for Squamous Cell Carcinomas of the Head and Neck: Population-based Outcomes from a Canadian Province. ASTRO Annual Meeting. Boston, MA. Oct 28 – 31, 2012. Int J Radiat Oncol Biol Phys 2012; 84(3) S204.
12. Karam I, Wilson G, Bowman A, Wong F, **Olson R**. Retrospective Comparison of 2 Feeding Tube Approaches for Head-and-Neck Cancer Patients Receiving Concurrent Chemoradiation Therapy. ASTRO Annual Meeting. Oct 28 – 31, 2012. Int J Radiat Oncol Biol Phys; 84(3) S516.
13. Lo A, Liu M, Chan E, Lund C, Loewen S, Cao J, Schellenberg D, Carolan H, Berrang T, **Olson R**. A province wide quality assurance (QA) review of stereotactic body radiotherapy (SBRT) treatment planning for lung cancer. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S25 (abstract 64)
14. Goddard K, **Olson R**, Parkinson M, Nurcombe W, Bobinski MA, Howard F. Life challenges experienced by long term pediatric brain tumour survivors: parents' perspectives. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S25 (abstract 65)
15. Lucas S, Linden W, **Olson R**. Prognostic utility of anxiety and depression levels at time of diagnosis in stage III lung cancer. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S27 (abstract 70)
16. **Olson R**, Parkinson M, Cashman R, McKenzie M, Yao J, Mackenzie G, Stephen J. Changes in quality of life, functional status, and cognitive function from baseline to 6 months post treatment in patients with high grade gliomas. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S28 (abstract 71)
17. Cao J, Olivotto I, Truong P, Olson R, Keyes M, Weir L, Gelmon K, Bernstein V, Woods R, Speers C, Tyldesley S. Should women younger than 40 years of age with invasive breast cancer have a mastectomy? 15 year outcomes of a population based cohort. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S32 (abstract 83)
18. **Olson R**, Wong F, Wu J, Hay J. Twenty-five year survival outcomes for squamous cell carcinomas of the head and neck: Population based outcomes from a Canadian province. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S43 (abstract 108)
19. Cao J, Schellenberg D, Mohamad I, Lund C, Louie A, Palma D, Rodrigues G, **Olson R**, Tyldesley S. Estimating the need for stereotactic ablative radiotherapy (SABR) for lung cancer: an evidence based epidemiological approach. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S60 (abstract 154)
20. Tran E, Carolan H, **Olson R**. Radiation Oncology resident workload in a Canadian province: Analysis of new patients and follow up dictation data. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S64 (abstract 163)
21. Goddard K, **Olson R**, Hung G, Howard F. Childhood cancer survivors' perspectives and preferences for long-term follow up. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S66 (abstract 169)
22. Lefresne S, Levy K, Cashman R, **Olson R**. Pilot interdisciplinary palliative lung rapid access radiotherapy clinic – experiences, perceptions, and goals. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S75 (abstract 191)
23. **Olson R**, Lengoc S, French J, McGahan, Tyldesley S, Soo J. Relationships between family physicians' tested knowledge, self-perceived knowledge, and utilization of palliative radiotherapy. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S76 (abstract 192)



24. Cao J, Tyldesley S, Carolan H, Woods R, Speers C, **Olson R**. Choroidal metastases in breast cancer: outcomes of a population based cohort. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S80 (abstract 203)
25. Karam I, Wilson G, Bowman A, Wong F, **Olson R**. Retrospective comparison of two feeding tube approaches for head & neck cancer patients received concurrent chemoradiotherapy treatment. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S87 (abstract 221)
26. Le D, Wozney H, **Olson R**. Breast cancer care navigation in rural settings: feasibility study of a systems-level approach. CARO Annual Meeting. Sep 12 – 15, 2012. Radiother Oncol 2012;104(suppl 2);S88 (abstract 224)
27. Lengoc S, Soo J, McGahan C, French J, Tyldesley S, **Olson R**. Referral patterns of patients for palliative radiation therapy in British Columbia: A comparison between northern and urban physicians. 53<sup>rd</sup> Annual American Society of Radiation Oncology (ASTRO) Meeting. Miami, Florida, October 2 – 6, 2011. Int J Radiat Oncol Biol Phys 2011; 81(2 supplement) S567-8
28. Caon J, **Olson R**, Tyldesley S, Bergman A, Bobinski MA, Fong M, Vellani R, Khan M, Goddard M. National survey of health care providers' views on the risk of inadvertent exposure of pregnant patients to ionizing radiation in Canadian radiotherapy department. 53<sup>rd</sup> Annual ASTRO Meeting. Miami, Florida, October 2 – 6, 2011. Int J Radiat Oncol Biol Phys 2011; 81(2 supplement) S567
29. Lefresne S and **\*Olson R**. Retrospective Exploration of the Impact of Quality Assurance Rounds in a Canadian Radiotherapy Department. 53<sup>rd</sup> Annual ASTRO Meeting. Miami, Florida, October 2 – 6, 2011. Int J Radiat Oncol Biol Phys 2011; 81(2 supplement) S562
30. **\*Olson R**, Woods R, Lau J, Speers C, Lo A, Tyldesley S, Weir L. Impact of internal mammary node inclusion in the radiation treatment volume on the outcomes of breast cancer patients treated with loco-regional radiation after 6 years of follow-up. Canadian Association of Radiation Oncology (CARO) Meeting 2011, Winnipeg, Sep 14 -17, 2011. Radiother Oncol 2011;100 (Suppl1):S30-1 (abst78)
31. **\*Olson R**, Brastianos P, Palma D. Prognostic and predictive value of epigenetic silencing of MGMT in patients with high grade gliomas: A systematic review and meta-analysis. Oral presentation at CARO Meeting 2011, Winnipeg, Sep 14 – 17, 2011. Radiother Oncol 2011;100 (Suppl1):S14 (abst37)
32. **\*Olson R**, Caron N, Olivotto I, Speers C, Chia S, Davidson A, Coldman A, Nichol A, Bajdik C, Tyldesley S. Population based comparison of breast cancer screening and treatment utilization by remoteness of residence in a Canadian province. CARO Meeting 2011, Winnipeg, Sep 14 – 17, 2011. Radiother Oncol 2011;100 (Suppl1):S77 (abst208)
33. Lengoc S, Soo J, McGahan C, French J, Tyldesley S, **Olson R**. Referral patterns of patients for palliative radiation therapy in British Columbia: A comparison between northern and urban physicians. CARO Meeting 2011, Winnipeg, Sep 14 – 17, 2011. Radiother Oncol 2011;100 (Suppl1):S78 (abst211)
34. Lund C, Liu M, Wu J, Carolan H, **Olson R**, Schellenberg D. The Current use of stereotactic body radiotherapy for lung tumours across Canada. Oral presentation at CARO Meeting 2011, Winnipeg, Sep 14 – 17, 2011. Radiother Oncol 2011;100 (Suppl1):S25 (abst64)
35. Caon J, **Olson R**, Tyldesley S, Bergman A, Bobinski MA, Fong M, Vellani R, Khan M, Goddard M. National survey of health care providers' views on the risk of inadvertent exposure of pregnant patients to ionizing radiation in Canadian radiotherapy department. Oral presentation at CARO Meeting 2011, Winnipeg, Sep 14 – 17, 2011. Radiother Oncol 2011;100 (Suppl1):S26 (abst66)
36. Lefresne S and **\*Olson R**. Retrospective exploration of the impact of radiotherapy quality assurance rounds. CARO Meeting 2011, Winnipeg, Sep 14 – 17, 2011. Radiother Oncol 2011;100 (Suppl1):S75 (abst203)
37. **\*Olson R**, Woods R, Lau J, Speers C, Lo A, Tyldesley S, Weir L. Impact of internal mammary node inclusion in the radiation treatment volume on the outcomes of breast cancer patients treated with loco-regional radiation after six years of follow-up. Oral presentation at the 2011 ASCO Breast Cancer Symposium, San Francisco, Sep 8 – 10, 2011. J Clin Oncol 29, 2011 (suppl 27; abstr 81)
38. **\*Olson R**, Caron N, Olivotto I, Speers C, Chia S, Davidson A, Coldman A, Nichol A, Bajdik C, Tyldesley S. Population based comparison of breast cancer screening and treatment utilization by remoteness of residence in British Columbia. 2011 American Society of Clinical Oncology (ASCO) Annual Meeting. Chicago, USA. Jun 3 – 7, 2011. J Clin Oncol 29: 2011 (suppl; abstr 593)
39. **\*Olson R**, Carolan H, Parkinson M, Chhanabhai, McKenzie M. Prospective comparison of the prognostic utility of the Montreal cognitive assessment and the Mini Mental State Examination in patients with brain metastases. 52<sup>nd</sup> Annual ASTRO Meeting. San Diego, USA. Oct 31 – Nov 4, 2010. Int J Radiat Oncol Biol Phys. 2010;78(3 Supplement):S264.
40. **\*Olson R**, Hukin J, Steenburgh S, Rassekh R, Ho A, Bobinski M, Goddard K. Health care providers' views of informed consent and joint decision making in pediatric patients with brain tumours. 42<sup>nd</sup> Congress of the

- International Society of Pediatric Oncology (SIOP). Boston, USA. October 21-24, 2010. *Pediatric Blood and Cancer* 2010;55(5):918-9. Abstract PM018.
41. Goddard K, Brown T, Dezorci P, Hukin J, Johnston D, Punnett A, Rassekh S, **Olson R**. Case-based interactive e-learning programs for pediatric oncology: rationale, development and user evaluation results. 42<sup>nd</sup> Congress of the International Society of Pediatric Oncology (SIOP). Boston, USA. October 21-24, 2010. *Pediatric Blood and Cancer* 2010;55(5):974. Abstract PT012.
  42. \***Olson R**, Hung G, Bobinski M, Goddard K. Impact of legal problems on quality of life in adult survivors of pediatric malignancies. CARO 2010 Meeting, Vancouver, Sept 22 – 25, 2010. *Radiother Oncol* 2010;96 (Suppl2):S64-5 (abst199)
  43. \***Olson R**, Carolan M, Parkinson M, Chhanabhai T, McKenzie M. Prospective evaluation of the prognostic utility of the Mini Mental State Examination (MMSE) and the Montreal Cognitive Assessment (MoCA) in patients with brain metastases. Oral presentation at CARO 2010 Meeting, Vancouver, Sept 22 – 25, 2010. *Radiother Oncol* 2010;96 (Suppl2):S15 (abst45)
  44. \***Olson R**, Hukin J, Steenburgh S, Rassekh R, Ho A, Bobinski M, Goddard K. Pediatric radiation oncologists' views of informed consent and joint decision making. CARO 2010 Meeting, Vancouver, Sept 22 – 25, 2010. *Radiother Oncol* 2010;96 (Suppl2):S38 (abst116)
  45. Tyldesley S, **Olson R**, Nichol A, Speers C, Chia S, Badjic C, Coldman A. Population based stage, treatment and outcomes for patients with breast cancer in a Canadian province. CARO 2010 Meeting, Vancouver, Sept 22 – 25, 2010. *Radiother Oncol* 2010;96 (Suppl2):S31 (abst93)
  46. \***Olson R**, Hung G, Bobinski M, Goddard K. Prospective evaluation of legal needs in adult survivors of pediatric malignancies. MASCC/ISOO 2010 International Symposium. Vancouver, BC, Canada. June 24 – 26, 2010. *Support Care Cancer* 2010;18 (suppl3)
  47. \***Olson R**, Hung G, Bobinski M, Goddard K. Comparison of legal needs in adult survivors of paediatric central nervous system (CNS) and non-CNS malignancies. Oral presentation at the 14<sup>th</sup> International Symposium on Pediatric Neuro-Oncology (ISPNO). Vienna, Austria. June 20 -23, 2010. *J Neuro-Oncology* 2010;12(6):ii30
  48. **Olson R**, Ma V, Hukin J, Johnston D, Singhal A, Goddard K. A Case-based interactive e-learning program for pediatric neuro-oncology: Rationale, development and user evaluation results. 14<sup>th</sup> ISPNO. Vienna, Austria. June 20-23, 2010. *Journal of Neuro-Oncology* 2010;12(6):ii56
  49. \***Olson R**, Hung G, Bobinski M, Goddard K. Comparison of legal needs in adult survivors of pediatric central nervous system (CNS) versus non-CNS malignancies. 14<sup>th</sup> Biennial Canadian Neuro-Oncology (CNO) Meeting. Niagara-on-the-Lake, Ontario, Canada. May 14 – 16, 2010. *Canadian Journal of Neurological Sciences* 2010;37(suppl.I)
  50. **Olson R**, Ma V, Hukin J, Johnston D, Singhal A, Goddard K. A case-based interactive e-learning program for pediatric neuro-oncology: rationale, development and user evaluation results. 14<sup>th</sup> Biennial CNO Meeting. Niagara-on-the-Lake, Ontario, Canada. May 14 – 16, 2010. *Canadian Journal of Neurological Sciences* 2010;37(suppl.I)
  51. \***Olson R**, Hukin J, Steenburgh S, Rassekh R, Ho A, Bobinski M, Goddard K. Oncologists' views of informed consent and joint decision making in pediatric oncology. Oral presentation at the American Psychosocial Oncology Society (APOS) 7th Annual Conference. New Orleans, LA. February 18 – 21, 2010. Abstract 12-2. *Psycho-Oncology* 2010;19(suppl. I):S23-4
  52. \***Olson R**, Iverson G, Parkinson M, Carolan H, Ellwood A, McKenzie M. Investigation of cognitive screening measures in patients with brain tumours: diagnostic accuracy & correlation with quality of life. CARO 2009 Meeting. Quebec City, Quebec. Sept 29 – Oct 4, 2009. *Radiother Oncol* 2009;92 (Suppl2): Abstract 93.
  53. \***Olson R**, Woods R, Lau J, Spears C, Weir L. Impact of internal mammary node (IMN) inclusion in the radiation treatment volume on the outcomes of breast cancer patients treated with locoregional radiation. CARO 2009 Meeting. Quebec City, Quebec. Sept 29 – Oct 4, 2009. *Radiother Oncol* 2009;92 (Suppl2): Abstract 105.
  54. Lo A, Carolan H, Aquino-Parsons C, Bottorf J, **Olson R**, Feldman-Stewart D. Decision aid for patients with ductal carcinoma in situ of the breast (DCIS) improves knowledge and reduces decisional conflict. CARO 2009 Meeting. Quebec City, Quebec. Sept 29 – Oct 4, 2009. *Radiother Oncol* 2009;92 (Suppl2): Abstract 108.
  55. \***Olson R**, Kosztyla R, Moiseenko V, Ramaseshan R, Carolan H, Kwan, W. Cutaneous markers used for target localization in accelerated partial breast irradiation (APBI) are strongly correlated with the underlying surgical cavity. CARO 2009 Meeting. Quebec City, Quebec. Sept 29 – Oct 4, 2009. *Radiother Oncol* 2009;92 (Suppl2): Abstract 119.

56. Kosztyla R, **Olson R**, Moiseenko V, Kwan, H. Assessment of interobserver and intraobserver surgical cavity contour variability in accelerated partial breast irradiation through the use of a representative surgical cavity contour. American Association of Physicists in Medicine (AAPM) 51<sup>st</sup> Annual Meeting. Anaheim, California, July 26-30, 2009. Abstract ID: 10586. Medical Physics 2009;36(6):2734
57. \***Olson R**, Iverson G, Parkinson M, Carolan H, Ellwood A-L, McKenzie M. Comparison of the Mini Mental State Examination (MMSE) and the Montreal cognitive assessment (MoCA) to a comprehensive neuropsychological assessment in patients with brain tumors. Oral presentation at the 11<sup>th</sup> World Congress of Psycho-Oncology. Vienna, Austria. June 21-25, 2009. Abstract P3.7.17. Psycho-Oncology 2009;18 (suppl. 2):S327
58. \***Olson R**, McKenzie M, Parkinson M. Dependence of cognitive screening test results on the population being studied. 11<sup>th</sup> World Congress of Psycho-Oncology. Vienna, Austria. June 21-25, 2009. Abstract P3.7.18. Psycho-Oncology 2009;8 (suppl. 2):S327-8
59. \***Olson R**, Iverson G, Parkinson M, Carolan H, Ellwood A, McKenzie M. Investigation of cognitive screening measures in patients with brain tumors: diagnostic accuracy and correlation with quality of life. 2009 ASCO Annual Meeting. Orlando, Florida. May 29 – June 2, 2009. J Clin Oncol 2009;27 (suppl1;abstr e13000)
60. \***Olson R**, Brooks B, Carolan H, Parkinson M, Ellwood A-L, Roberge M-C, Martin L-A, Iverson G, McKenzie M. Sensitivity of the mini mental state examination in patients with brain tumors. Oral presentation at APOS 6<sup>th</sup> Annual Conference. Charlotte, North Carolina, USA. February 6-8, 2009. Abstract ID: 15-3. Psycho-Oncology 2009;18 (suppl. 1):S37
61. \***Olson R**, Chhanabhai T, McKenzie M. Feasibility study of the Montreal cognitive assessment (MoCA) in patients with brain metastases. Joint Annual Scientific Meeting CARO & COMP 2007. Toronto, Ontario. October 9-13, 2007. Radiother Oncol 2007;84 (Suppl2):S48 (abst 166)

(d) *Non-published Conference Abstracts*

1. **Olson R**, Munroe D, Turnbull K, Tobin P, Ward A. Prospective evaluation of unmet needs of rural cancer survivors: Comparison between four First Nations and four non-First Nations communities. Oral presentation at the 11<sup>th</sup> Conference of the Canadian Rural Health Research Society. Levis, Quebec. Oct 25 – 27, 2012. Abstract 4005.
2. **Olson R**, Wong F, Wu J, Hay J, Cheung W. Long term outcomes in squamous cell carcinomas of the head and neck: population based analysis by difference in population size of local health authorities. Oral presentation at the 11<sup>th</sup> Conference of the Canadian Rural Health Research Society. Levis, Quebec. Oct 25 – 27, 2012. Abstract 4004.
3. Howard F, **Olson R**, Bobinski MA, Parkinson M, Nurcombe W, Goddard K. Parents' perspectives of life challenges experienced by long-term survivors of pediatric brain tumour survivors. Oral presentation at the Canadian Association of Psycho-social Oncology (CAPO) Annual Conference. Vancouver, BC, Apr 25 – 28, 2012.
4. Howard F, Goddard K, Tan de Bibians J, Pritchard S, **Olson R**, Ward A, Smilie K, Doll R, Kazanjian A. Childhood Cancer Survivors? Challenges and needs in managing their medical and psychosocial issues. Oral presentation at the CAPO Annual Conference. Vancouver, BC, Apr 25 – 28, 2012.
5. Parkinson M, **Olson R**, Cashman R, McKenzie M, Yao J, Mackenzie G, Stephen J. Changes in quality of life, functional activities, and cognitive function from baseline to 6 months post treatment for patients with high grade gliomas. Oral presentation at the CAPO Annual Conference. Vancouver, BC, Apr 25 – 28, 2012.
6. Ward A, Zirul C, Munroe D, Howard F, **Olson R**. Psychosocial care planning for cancer survivors: delivery challenges in rural and remote communities. Oral presentation at the CAPO Annual Conference. Vancouver, BC, Apr 25 – 28, 2012.
7. \***Olson R**, Caron N, Olivotto I, Nichol A, Speers C, Woods R, Chia S, Davidson A, Coldman A, Bajdik C, Tyldesley S. Disparities in breast cancer screening, stage distribution, treatment use, and outcomes by population size of local health authority. Oral presentation at the 10<sup>th</sup> Conference of the Canadian Rural Health Research Society. Richmond & Vancouver, BC, Oct 20 – 22, 2011.
8. Ward A, Zirul C, Tobin P, Howard F, **Olson R**. Cancer Survivorship Research in Northern British Columbia: Working to develop partnerships, practice, and policy. Oral presentation at the 10<sup>th</sup> Conference of the Canadian Rural Health Research Society. Richmond & Vancouver, BC, Oct 20 – 22, 2011.

9. Lund C, Liu M, Wu J, Carolan H, **Olson R**, Schellenberg D. The Current use of stereotactic body radiotherapy for lung tumours across Canada. 14<sup>th</sup> World Conference on Lung Cancer, Amsterdam, Netherlands, Jul 3 – 7, 2011. Abstract PI.197
10. Kosztyla R, **Olson R**, Carolan H, Balkwill S, Moiseenko V, Kwan W. Dosimetric consequences of surgical cavity contour variability in accelerated partial breast irradiation. Canadian Organization of Medical Physicists (COMP) Annual Scientific Meeting. Victoria, BC. July 21-24, 2009.
11. Iverson G, Lanting S, Ferguson K, Roberg M-C, Parkinson M, and **Olson R**. Return to work in brain tumor patients is associated with neuropsychological test performance. International Neuropsychological Society; 2009 Mid-Year Meeting. Helsinki, Finland. July 29 – August 1, 2009. ID:623284.
12. **\*Olson R**, Parkinson M, Ellwood A-L, McKenzie, M. Community Integration Measures: Correlation with Quality of Life and Cognitive Function. Canadian Association of Psychosocial Oncology (CAPO), 2009 Conference. Vancouver, British Columbia. April 1-4, 2009. Abstract ID: B246.
13. **\*Olson R**, Parkinson M, Ellwood A-L, McKenzie, M. Investigation of community integration measures in patients with brain tumors. APOS 6<sup>th</sup> Annual Conference. Charlotte, North Carolina, USA. February 7-8, 2009. Late breaking abstract ID: P2-58.

## 2. **NON-REFEREED PUBLICATIONS**

### (a) *Journals*

1. **\*Olson R** and Brooks B. Understanding how brain tumours can affect your thinking abilities. Headlines, A newsletter for people who have been diagnosed with a brain tumour. Winter 2008.

### (b) *Conference Proceedings*

### (c) *Other*

## 3. **BOOKS**

### (a) *Authored*

### (b) *Edited*

### (c) *Chapters*

## 4. **PATENTS**

## 5. **SPECIAL COPYRIGHTS**

## 6. **ARTISTIC WORKS, PERFORMANCES, DESIGNS**

1. Nocturne in G major (copyright Sep 7, 2010; Reg No. 1080207)

## 7. **OTHER WORKS**

## 8. **WORK SUBMITTED AND UNDER REVIEW**

1. Howard F, Smillie K, Turnbull K, Munroe D, Ward A, Kazanjian A, **Olson R**. Access to Medical and Supportive Care for Rural and Remote Cancer Survivors in Northern British Columbia. Submitted to Journal of Cancer Survivorship.
2. Howard F, Hasan H, Bobinski MA, Nurcombe W, **Olson R**, Parkinson M, Goddard K. Parents' Perspectives of Life Challenges Experienced by Long-Term Paediatric Brain Tumour Survivors: Work and Finances, Daily and Social Functioning, and Legal Difficulties. Submitted to Journal of Cancer Survivorship.

3. Ye A, Cheung W, Goddard K, Horvat D, **Olson R**. Patterns of follow-up in oncologic care across Canada. Submitted to Journal of Cancer Survivorship Aug 12, 2013.
4. Lo A, Liu M, Chan E, Lund C, Truong P, Loewen S, Cao J, Schellenberg D, Carolan H, Berrang T, Wu J, and **Olson R**. The Impact of Peer Review of Structure Contouring in Stereotactic Body Radiation Therapy (SBRT) Planning for Primary Lung Cancer: A Multi-Center Quality Assurance Study. Submitted to JTO.
5. Cao J, Coulombe G, Truong P, Olivotto I, **Olson R**, Keyes M, Weir L, Gelmon K, Bernstein V, Woods R, Speers C, Tyldesly S. Should women younger than 40 years of age with invasive breast cancer have a mastectomy? 15-year outcomes of a population-based cohort. Submitted to IJROBP.

## 9. MANUSCRIPTS IN PREPARATION

1. **Olson R**, Beasley M, Bogod N, Sinden M, Martzke J, McKenzie M, Ma R. Prospective evaluation of cognition, mood, and quality of life in patients receiving stereotactic radiotherapy to the sella turcica or parasellar region. Plans to submit to Journal of Neuro-Oncology.
2. Lucas S, Linden W, Vodermaier A, **Olson R**. PSCAN paper. Plans to submit to Supportive Care in Cancer.
3. Tiwana M, Hay J, Wong F, Cheung W, **Olson R**. 2<sup>nd</sup> primary HNC incidence. Plans to submit to Radiotherapy and Oncology.
4. **Olson R**, Zirul C, Ward A. Cancer survivorship research in rural locations: Methods used and lessons learned. Plans to submit to Supportive Care in Cancer.
5. Lo A, **Olson R**, Feldman-Stewart, Carolan H. Information need of patients with ductal carcinoma in situ of the breast. Plans to submit to Supportive Care in Cancer.
6. Lefresne S, Brown C, Hay J, Speers C, Cheung W, **Olson R**. Rural rectal Ca project
7. **Olson R**, Tiwana M, Barnes M, Kiraly A, Hoegler D, Miller S, Olivotto I. Population-based exploration of usage of single versus multiple fractions of palliative radiotherapy for bone metastases. Plans to submit to JCO.
8. Lefresne S, Cashman R, and **Olson R**. VARA paper.

## 10. WORK IN PROGRESS

1. Prospective Outcome and Support Initiative (POSI). Large (1.2M in grant funding) provincial initiative. PI.
2. VASER. 3D Virtual bronchoscopy Assisted Stereotactic Endobronchial Radiotherapy. Co-investigator supervising trainee.
3. Haida Gwaii – exploring barriers and bottlenecks to care in a model remote island community. Principal Investigator supervising UBC trainee.
4. Prospective evaluation of BCS without adjuvant RT in Luminal A breast cancer: a personalized approach to define low-risk patient subsets. Local PI
5. Disparities in use of staging investigations, treatments, and outcomes in rectal cancer across BC. PI supervising trainee
6. NCIC SC.23: A Randomized Phase III Double-Blind Study of Dexamethasone versus Placebo in the Prophylaxis of Radiation-Induced Pain Flare following Palliative Radiotherapy for Bone Metastases. Local Principal Investigator.
7. SABR-COMET: Randomized Phase II trial comparing standard of care vs. Stereotactic Body Radiotherapy to sites of oligometastatic disease. Provincial PI
8. RTOG 0937: Randomized Phase III Study Comparing Prophylactic Cranial Irradiation Alone To Prophylactic Cranial Irradiation And Consolidative Extra-Cranial Irradiation For Extensive Disease Small Cell Lung Cancer (ED-SCLC). Provincial Principal Investigator.
9. Phase II study of whole brain radiotherapy with simultaneous integrated boost using volumetric modulated arc therapy for one to ten brain metastases. Co-Investigator.