

**Paul MacEachern,
BPe, MD, FRCPC, FCCP
Curriculum Vitae**

BIOGRAPHICAL DATA

Paul MacEachern
3330 Hospital Dr. NW.
Calgary, AB. T2N 4N1
Ph: 403 220-6882
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prmaceac@ucalgary.ca

Current Appointment

Clinical Assistant Professor
Division of Respiriology, Department of Medicine and Department of
clinical Oncology
University of Calgary
Foothills Medical Centre

ACADEMIC RECORD

Undergraduate

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| 2002 | MD Queen's University, Kingston Ontario Canada |
| 1995 | Bachelor of Physical Education, Honours in Exercise Physiology University of Calgary, Calgary Alberta, Canada |

Special professional

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| 2008 | Clinical Elective – Interventional Bronchoscopy Heidleberg, Germany Dr. Felix Herth |
| 2008 | Clinical Elective – Autofluorescence bronchoscopy University of British Columbia Dr. Stephen Lam and Dr. Annette McWilliams |
| 2006 | Community Respiriology Elective Penticton Regional Hospital, Penticton BC. Supervisors: Dr. Sarah Broder and Dr. Shannon Walker |
| 2006 | CHEST Conference post graduate course in Sleep Medicine |
| 2006 | CHUM Interventional Bronchoscopy Course, Montreal. |

- 2006 Biostatistics Workshop, University of Calgary
- 2006 Difficult Airway Management Course, University of Calgary
- 2004 European Respiratory Society conference post graduate course. Exercise Testing Interpretation

Graduate and post-doctoral

- 2007-2008 Advanced Fellowship in Interventional Pulmonology
University of Calgary
Supervisor: Dr. Alain Tremblay
- 2005-2007 Fellowship in Respiratory Medicine.
University of Calgary.
Program Director: Dr. Karen Rimmer
- 2002-2005 Internal Medicine Residency Training Program,
University of Calgary
Co-Chief Resident: 2004-2005

Licensure, certification and boards

- 2007 Fellow Royal College Physicians of Canada, Respiriology
- 2007 Animal Care Certificate. University of Calgary Animal Resource Centre
- 2006 Fellow Royal College Physicians of Canada, Internal Medicine
- 2003 Licentiate of the Medical Council of Canada
- 2002 Advanced Cardiac Life Support

AWARDS AND DISTINCTIONS

- 2008 Gold Star resident teaching award for clinical correlation teaching in Respiratory course. U of C 2010 Medical Class
- 2004 "Excellent Teaching in Clinical Clerkship" as voted by U of C Medical class

- 2002 Milkes Medal for top student in graduating medical class in Obstetrics and Gynecology
Queen's University, Kingston Ontario
- 1993-1995 Dean's List
Faculty of Physical Education
University of Calgary

ACADEMIC APPOINTMENTS

- Present Clinical Assistant Professor
Department of Medicine, Division of Respiratory Medicine
and Department of Medical Oncology
University of Calgary

EDUCATIONAL ACTIVITIES

Undergraduate

- 2010 Evaluations Coordinator. Cardiorespiratory Course, U of C
2012 Medical Class
- 2009 Clinical Clerkship Educator. Bedside teaching, U of C 2010
Medical Class
- 2009 Examiner. Clerkship Certifying OSCE
- 2009 Examiner. Internal Medicine Clerkship Formative OSCE
- 2009 Preceptor for clinical core: Small group bedside physical
exam teaching.
- 2009 Small Group Teaching, Respiratory Program. U of C Medical
School
- 2008 Examiner. Internal Medicine Clerkship Formative OSCE
- 2008 Clinical Clerkship Educator. Bedside teaching, U of C 2009
Medical Class
- 2008 Small Group Teaching, Respiratory Program. U of C Medical
School
- 2008 Preceptor for clinical core: Small group bedside physical
exam teaching.
- 2007 Small Group Teaching, Respiratory Program. U of C Medical
School
- 2007 Preceptor for clinical core: Small group bedside physical
exam teaching.
- 2006 Small Group Teaching, Respiratory Program. U of C Medical
School
- 2006 Preceptor for clinical core: Small group bedside physical
exam teaching
- 2005 Small Group Teaching, Respiratory Program. U of C Medical
School

Graduate (course and student supervision)

- 2009 Examiner. Pulmonary Fellowship oral exam
- 2008 Examiner. Internal Medicine R2 OSCE
- 2008 Examiner. Internal Medicine R4 OSCE
- 2006 Precepted Internal Medicine "Pizza and Papers" journal club

Postgraduate (research and clinical fellows)

- 2009 Presenter: Interventional Pulmonary Medicine Academic half-day
- 2009 Co-Supervisor. Dr. Alex Chee. Interventional Pulmonary medicine fellow
- 2008 Presenter. Interventional Pulmonary Medicine Academic half-day.
- 2008 Co-supervisor. Dr. Chris Hergott. Interventional Pulmonary Medicine Fellow.

Continuing medical education

- 2009 Faculty – Endobronchial Ultrasonography Course – University of Calgary, Feb 19-20, 2009.
- 2008 Faculty – Endobronchial Ultrasonography Course – University of Calgary, Feb 20-21, 2008.

ADMINISTRATIVE RESPONSIBILITIES

Departmental

- 2009 Tracking of divisional Maintenance of Certification Credits for Divisional clinical rounds
- 2008 Tracking of divisional Maintenance of Certification Credits for Divisional clinical rounds

Faculty

- 2009 Member: Internal Medicine Clerkship Committee
- 2008 Member: Internal Medicine Clerkship Committee

University

- 2004-2005 Co-Chief Resident. University of Calgary Internal Medicine Residency Training Program.

Regional Health Authority

Hospital

- 2008 Respiratory Working Group member.

PROFESSIONAL ACTIVITIES

Membership in professional and learned societies.

- College of Physicians and Surgeons of Alberta
- American College of Chest Physicians, Fellow
- American Thoracic Society, member
- Canadian Thoracic Society, member
- Alberta Medical Association, member.
- Canadian Medical Association, member
- American Association for Bronchology, member 2008-present
- World Association for Bronchology, member 2008-present

Professional service

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| 2007 | Peer reviewed article for <i>Respiration</i> . |
| 2008 | Peer reviewed article for <i>Journal of Bronchology</i> |
| 2009 | Peer reviewed article for <i>Journal of Bronchology</i> |
| 2009 | Peer reviewed article for <i>Respiration</i> |

RESEARCH PROJECTS AND SUPPORT

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| 2009-2010 | Phase I/II Study of Fractionated Stereotatic Radiotherapy for Medically Inoperable Non-Small Cell Lung Cancer: Bronchoscopy and Fiducial Marker Placement. <i>Principle Investigator:</i> Dr. Harold Lau <i>Co-investigators:</i> Dr.'s Gerald Lim, Elizabeth Kurien, Steve Angyalfi, Zsolt Gabos, Alain Tremblay, David Stather, Paul MacEachern |
| 2009-2010 | Bronchoscopic Approach to the Peripheral Lung Nodule. An Alternative Approach Using Peripheral Endobronchial Ultrasonography and Electromagnetic Navigation Bronchoscopy. <i>Principle Investigator:</i> David Stather <i>Co-investigators:</i> Dr. Alain Tremblay and Dr. Paul MacEachern |
| 2008-2013 | Early Detection of Lung Cancer – A Pan-Canadian Study <i>Principle Investigator:</i> Stephen Lam (University of British Columbia) and Ming-Sound Tsao (University of Toronto) <i>Local Principle Investigator:</i> Alain Tremblay <i>Co-investigators:</i> |

-British Columbia: Annette McWilliams, John Mayo, Don Sin, Mark Elwood, Stuart Peacock, Richard Finley.
-Calgary: Paul Burrowes, **Paul MacEachern**
-Brock University: Martin Tammemagi
-Princess Margaret Hospital, University of Toronto: Heidi Roberts, Frances Shepherd, Geoffrey Liu, Kam Sophrati; John Thenganatt; Natasha Leigh
-McMaster University: John Goffin, Serge Puksa, , Lori Stewart, Bill Evans
-University of Ottawa: Glen Goss, Garth Nicholas, Jean M Seely, Kayvan Amjadi
-U de Laval: Simon Martel, Francis Laberge, Michel Gingras
-Dalhousie University: Michael Johnston, Daria Manos
Funder: Terry-Fox Research Institute, \$700,000

- 2008-2010 Screening for Lung Cancer with Induced Sputum: Optimizaion of Sputum Preparation.
Principle investigator: Dr. Margaret Kelly
Co-investigators: **Paul MacEachern**, Moosa Khalil, Vincent Falk, Richard Leigh,
Funder: Calgary Laboratory Services. \$8000 (received)
- 2007-2008 The use of Optical Coherence Tomography Examination to identify the Structural Changes of Airway Remodeling in Asthma: A pilot study.
Principle investigator: Dr. Alain Tremblay.
Co-investigators: **Paul MacEachern**, Richard Leigh, Francis Green, David Stather.
Funder: Jack-McKenzie Memorial Fund. \$2500 (received)
- 2006-2008 Endobronchial Ultrasonography in the Diagnosis of Sarcoidosis
Principle Investigator: Alain Tremblay
Co-investigators:.,David Stather, **Paul MacEachern**, Stephen Field, Moosa Khalil.
- 2005-2008 Vitamin D Deficiency and Tuberculosis in an Immigrant Population. Case control study currently underway.
Principle Investigator: Dina Fisher
Co-investigators: **P. MacEachern**, R. Cowie
Funder: Astra-Zeneca (\$20,000, received)

INVITED ADDRESSES

Regional

1. Peter Lougheed Centre Respiratory Education Day. "Lung Cancer" Oct 23, 2008
2. Foothills Medical Centre Respiratory Education Day. "Lung Cancer" April 1, 2009
3. Medical Grand Rounds. Calgary Health Region. "Lung cancer screening". Nov 18, 2008.
4. Tom Baker Cancer Centre. Breathing Life into Lung Cancer days. "Special Interventions for Lung Cancer Patients. Oct. 30, 2009

PUBLICATIONS/PRESENTATIONS

Peer reviewed manuscripts

MacEachern, P., J Peter Giannoccaro, Sameer Elsayed, Ronald R Read, Kevin Laupland. "A Rare Case of Pleuropulmonary Infection and Septic Shock associated with *Enterococcus faecium* Endocarditis". *Journal of Infection*. 2005, 50:84-88.

MacIntosh, B.R., **P. MacEachern**. "Paced Effort and All-Out 30-Second Power Tests". *International Journal of Sports Medicine*. 1997. 18:594-599.

Tremblay, D. Stather, **P. MacEachern**, M. Khalil, S. Field. A Randomized Controlled Trial of Standard versus Endobronchial Ultrasonography Guided Transbronchial Needle Aspiration in Patients with Suspected Sarcoidosis. *CHEST*. 2009.136:340-346.

Non-peer reviewed manuscripts

Books, chapter 2009

Paul MacEachern, Dave Stather, Alain Tremblay. Tunnelled pleural catheters. In Interventional Pulmonary Medicine. 2nd ed. J. F. Beamis, P. Mathur, A. C. Mehta eds.

Abstracts/Posters – published

- 2009 Lee Oviatt, Gaetane C. Michaud, David R. Stather, **Paul R. MacEachern**, and Alain Tremblay. Quality of Life and Exercise Capacity Following Interventional Bronchoscopy for Malignant Airway Obstruction. *Chest Meeting Abstracts* 2009 136: 26S-g
- 2009 Trembaly A, Stather D, **MacEachern P**, Dumitriu S, Maxwell L, Greene C, Kelly MM. Use of a Drug Eluting Pleural Catheter for Pleurodesis in a Large Animal Model. *ATS Poster presentation*. 2009
- 2006 Davies, JM., **P. MacEachern**, G. Ford, S. Viner, D. Helmersen. Clinical Characteristics and Long Term Follow-up of Southern Alberta Patients with Chronic Thromboembolic Pulmonary Hypertension. *ATS Poster Presentation*
- 2004 **MacEachern, P.**, Doug Helmersen, Francis Green, Sid Viner. "Lymphangioliomyomatosis Presenting as Severe Pulmonary Hypertension". *Chest*. Oct 2004 Supplement. 126(4supp):978S-979S. (Presented at 2004 ACCP meeting in Seattle, Wa.)

Communications

- 2009 **MacEachern P**, Tremblay A. Increasing the specificity of autofluorescence bronchoscopy. *Journal of Bronchology*. 2009 (in press)
- 2008 **P. MacEachern**, B. Dang, D. Stather, A. Tremblay. Tumor Invasion into Pulmonary Vessels Viewed by Endobronchial Ultrasound. *Journal of Bronchology*. 2008;15:206–207.