

## Christopher M. Overall, PhD, MDS, BSc, BDS

Position: Full Professor

Department: Oral Biological & Medical Sciences

Affiliation: Faculty of Dentistry, University of British Columbia, Vancouver, Canada

Office: 4.401 Life Sciences Institute, 2350 Health Sciences Mall, Vancouver, BC, Canada V6T 1Z3

E-mail: [chris.overall@ubc.ca](mailto:chris.overall@ubc.ca)

Homepage: [www.clip.ubc.ca](http://www.clip.ubc.ca)

---

### Education

1989.07-1992.06	Post-Doctorate, Biotechnology	University of British Columbia, CA
1984.08-1989.06	PhD, Biochemistry	University of Toronto, CA
1981.01-1983.12	MDS, Oral Biology/Periodontology	The University of Adelaide, AU
1979.01-1980.01	BSc (Hons), Immunology	The University of Adelaide, AU
1974.03-1978.12	BDS, Dental Surgery	The University of Adelaide, AU

### Professional Experience

2015.06-	Chief Scientific Officer	interfeRx antivirals
2015.01-	Canada Research Chair (Tier 1) in Metalloproteinase Proteomics and Systems Biology (Renewal)	University of British Columbia
2014.11-	Honorary Professor	Albert-Ludwigs Universität Freiburg, Germany
2010.11-2014.11	External Senior Fellow at the Freiburg Institute of Advanced Studies (FRIAS)	LifeNet, Albert-Ludwigs Universität Freiburg, Germany
2008.07-2008.12	Visiting Scientist	Novartis Pharma AG, Switzerland
2008.01-2014.12	Canada Research Chair (Tier 1) in Metalloproteinase Proteomics and Systems Biology (Renewal)	University of British Columbia
2005.01-2008.12	Director, Proteomics Hub	UBC Centre for Blood Research
2004.07-2005.01	Visiting Scientist	Novartis Pharma AG, Switzerland
2001.01-2007.12	Canada Research Chair (Tier 1) in Metalloproteinase Proteomics and Systems Biology	University of British Columbia
2000.07-	Full Professor	University of British Columbia
1997.08-1998.07	Visiting Scientist	British Biotech Pharmaceuticals
1995.07-1998.06	Clinical Scientist, Phase II	Medical Research Council of Canada (MRC)
1994.07-2000.06	Associate Professor	University of British Columbia
1992.07-1995.06	Clinical Scientist, Phase I	MRC
1992.07-1994.06	Assistant Professor	University of British Columbia
1988.09-1989.06	Preclinical Instructor, Periodontics	University of Toronto
1985.09-1989.06	Clinical Instructor and Associate in Dentistry, Periodontics	University of Toronto
1985.09-1989.06	Graduate Lab Instructor, Periodontics	University of Toronto
1983.01-1983.12	Lecturer, Department of Periodontics	The University of Adelaide
1979.01-1982.12	Clinical Tutor, Department of Periodontics	The University of Adelaide

## Academic Society

2014-	Advisory Committee	International Union of Basic and Clinical Pharmacology (IUPHAR)
2010-	Elected Council Member (2014-2019); Executive Council Member C-Human Proteome Project (HPP) (2014-); Elected Co-Chair of C-Human Proteome Project (HPP) (2015-; Awards Committee Member (2014-2016); Elected Executive Council of HUPO (2017-2019)	Human Proteome Organization (HUPO)
2006-2005-	Executive Member Inaugural Membership Committee Member (2005-2011); Fellowship Committee (2005-2011); Board Member (2017-)	British Columbia Proteomics Network Canadian Academy of Health Sciences
2004-	Chair, Foreign Scientific Advisor Board	Australian Proteomics Network
2004-2001-	VP Internal (2012-2013) Scientific Advisory Board Member (2004-2006)	Canadian National Proteomics Network The Canadian Proteomics Society
2001-2000-1999-2004-1999-	Member Council Member (2017-) Member Council Member (2001-2003 & 2005-2009)	The Proteome Society American Society for Matrix Biology Metastasis Research Society International Proteolysis Society
1998-1998-2003-1996-1996-2010-1994-1999-1993-2016	International Rep (2004-) Member Member Member Member Member	Australia and New Zealand Matrix Society British Society for Matrix Biology International Matrix Society American Association for Cancer Research The New York Academy of Sciences American Academy for the Advancement of Science
1991-1994-1988-2015-1986-	Member Member Member; Distinguished Scientist Committee (2013-2017 [Chair 2017])	Sigma Xi, The Scientific Research Society The American Society for Cell Biology International Association for Dental Research
1986-	Member; Secretary/Treasurer (1991-1992)	International Association for Dental Research (Canadian Division)
1979-1983	Member	International Association for Dental Research (Australia and N.Z. Division)

## **Publications**

- Fortelny N, Overall CM, Pavlidis P, Cohen Freue GV. 2017. Can we Predict Protein from mRNA Levels? *Nature* 547, E19-E22. doi: 10.1038/nature23293.
- Eckhard U, Bandukwala H, Mansfield MJ, Marino G, Cheng J, Wallace I, Holyoak T, Charles TC, Austin J, Overall CM\*, Doxey AC\*. 2017. Discovery of a Proteolytic Flagellin Family in Diverse Bacterial Phyla that Assembles Enzymatically Active Flagella. *Nature Communications* 8:521, 1-9. DOI: 10.1038/s41467-017-00599-0. \* Joint Shared Senior Authors.
- Klein T, Fung SY, Renner F, Blank MA, Dufour A, Kang S, Bolger-Munro M., Scurll JM, Priatel JJ, Schweigler P, Melkko S, Gold MS, Viner RI, Régnier SH, Turvey SE, Overall CM. 2015. The Paracaspase MALT1 Cleaves HOIL1 Reducing Linear Ubiquitination by LUBAC to Dampen Lymphocyte NF- $\kappa$ B Signalling. *Nature Communications* 6, 8777, 1-17. Featured Article and Featured in *Nature Immunology*, Highlighted by Faculty of 1000 as a highly significance paper.
- Marchant DJ, Bellac C, Moraes TJ, Wadsworth SJ, Dufour A, Butler GS, Bilawchuk LM, Hendry RG, Robertson AG, Cheung CT, Ng J, Ang L, Luo Z, Heilbron K, Norris MJ, Duan W, Bucyk T, Karpov A, Devel L, Georgiadis D, Hegele RG, Luo H, Granville DJ, Dive V, McManus BM, Overall CM. 2014. A New Transcriptional Role for Matrix Metalloproteinase-12 in Antiviral Immunity. *Nature Medicine* 20, 493-502. DOI: 10.1038/nm.3508. Featured Article in News and Views.
- auf dem Keller U, Prudova A, Eckhard U, Fingleton B, Overall CM. 2013. Systems-Level Analysis of Proteolytic Events in Increased Vascular Permeability and Complement Activation in Skin Inflammation. *Science Signaling* 6, rs2, 1-15. DOI: 10.1126/scisignal.2003512. Featured cover.