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• **Education:**

1984: A.B., Chemistry, Columbia University, NYC, NY, USA  
1989: Ph.D., Professor H. Rapoport, Department of Chemistry, University of California, Berkeley, USA, Thesis Title: "Alpha Amino Carbonyl Compounds, Synthesis of the Cyclosporine MeBmt Amino Acid."  
1990-91: Postdoctoral Fellow, Professor R. Noyori, Department of Chemistry, University of Nagoya, Nagoya, JAPAN

• **Academic Positions:**

04-06 - present: Full Professor – Chemistry – Université de Montréal, Canada  
97-06 - 04-05: Associate Professor – Chemistry – Université de Montréal, Canada  
91-09 - 97-06: Assistant Professor – Chemistry – Université de Montréal, Canada  
90-02 - 91-07: Postdoctoral Fellow – Chemistry – University of Nagoya, Japan  
89-11 - 90-01: Postdoctoral Fellow – Chemistry – University of California, Berkeley, USA  
85-07 - 89-10: Research Assistant/Teaching Assistant – Chemistry – U. of California, Berkeley, USA  
83-06 - 83-08: Undergraduate Research Assistant – Chemistry – Columbia Univ., New York, USA  
82-06 - 82-08: Undergraduate Research Assistant – Chemistry – Columbia Univ., New York, USA

• **Awards and Distinctions:**

2013: Bernard Belleau Award of the Canadian Society for Chemistry for distinguished contribution to the field of medicinal chemistry.  
2005: Agora Trophy of the Abassadors' Club of the Société du Palais de congrès de Montréal.  
2002: Merck Frosst Centre for Therapeutic Research Award.  
1999: Danish National Bank Housing Award: 18 Nyhavn, Copenhagen, Denmark.  
1997: DuPont Canada, Educational Aid Grant.  
1994: Bio-Méga/Boehringer Ingelheim Young Investigator.  
1996; 1995; 1994; 1993: Ichikizaki Fund for Young Chemists.  
1990: Monbushu Grant in Aid.  
1990-1991: Postdoctoral Fellowship, Japan Society for the Promotion of Science

• **Activities and contributions: Selected Appointments**

2013/05 – 2013/06 Invited Professor, Université Pierre et Marie Curie, Paris, France  
2011/01 – present: Editorial Board Member: *Journal of Peptide Science*  
2009: Murray Goodman Award Selection Committee Chair, American Peptide Society  
2008 – present: Editorial Board Member: *International J. Peptide Research and Therapeutics*  
2007: Co-Chair 20<sup>th</sup> American Peptide Society Meeting, Montreal  
2006/01 - 2006/12: Visiting Professor – Chemistry – Dalhousie University, Halifax, Canada  
2005/10 – present: Associate Editor: American Chemical Society, *Organic Letters*  
2005 – present: Editorial Board Member: *Chemical Biology and Drug Discovery*  
2005 – 2008: Editorial Board Member: *J. Peptide Research*  
2004 – present: Editorial Board Member: *Biopolymers, Peptide Science*  
2003/06 - 2009/06: Council Member (elected) American Peptide Society  
1999/02 - 2000/01: Guest Professor – Chemistry – Carlsberg Laboratorium, Denmark

• **Other Professional Activities**

2012 Editor of Am. Chem. Soc. virtual issue "Peptide Chemistry"

- 2012 – present: Chair, Biological & Medicinal Chem. Division, Canadian Society of Chemistry  
 2011 – present: Member, American Peptide Society Nominating Committee (elected)  
 2011 – 2012: Treasurer, Biological & Medicinal Chem. Division, Canadian Society of Chemistry  
 2010 – 2011: Organizer, Biol. & Med. Chem. Division Symposia, 94th CSCCE, Montreal 06/11  
 2010 – 2011: Organizer, Peptide Science Symposium 94th CSCCE, Montreal 06/11  
 2010: Member 22<sup>nd</sup> American Peptide Society Meeting, Scientific Program Committee  
 2009 – 2010: Co-organizer, Peptide Chemistry Symposium, PACIFICHEM, Honolulu, HA, 12/10  
 2009: Member Scientific Program Committee, 5th Int. Peptide Symp./47th Japanese Peptide Symposium, Kyoto, Japan, Dec. 4-9, 2010  
 2009: Organizer, American Chemical Soc. Hirschmann Award Symposium, Salt Lake City  
 2008: President VW2L Consultants Inc.  
 2006 – present: Originator and Director: Molecules of Life (MoL, [www.moleculesoflife.ca](http://www.moleculesoflife.ca))  
 2006 – present: Director: Montreal Centre for Combinatorial Chemistry (MC3)  
 2005 – 2006: Organizer, Peptide Science Symposium, 89th CSCCE, Halifax, NS 06/06  
 2005 – 2012: Founding Board of Director Member and Chemistry Representative: GRUM, Groupe de recherche universitaire sur le médicament, Université de Montréal  
 2005 – 2011: Board of Director Member and Team Chemist: CTiGAR, CIHR-funded Team in G Protein-Coupled Receptor Allosteric Regulation  
 2004 – 2005: Co-organizer, Peptide Chemistry Symposium, PACIFICHEM, Honolulu, HA, 12/05  
 2004: Member 19<sup>th</sup> American Peptide Society Meeting, Scientific Program Committee  
 2002: Vice-president VW2L Consultants Inc.  
 2002: Member 2003 Bruce Merrifield Award Nominating Committee, Am. Peptide Society  
 2002: Member 18<sup>th</sup> American Peptide Society Meeting, Scientific Program Committee  
 2002 – 2006: Director: Québec Combinatorial Chemistry Consortium (QC3)  
 2000 – 2001: Organizer, Combinatorial Chemistry Symposium, 83rd CSCCE, Montreal 06/01  
 1999 – 2000: Co-organizer, Peptide Chemistry Symposium, PACIFICHEM, Honolulu, HA, 12/00

#### • Training of Highly Qualified Personnel:

In June, 2012, 4 M.Sc., 3 Ph.D., 3 B.Sc and 1 cegep students, 2 PDFs, 2 Technicians, and 1 visiting scientist are engaged in my group performing organic synthesis, peptide synthesis, solid-phase organic chemistry, combinatorial chemistry, spectroscopic techniques, computer modeling, and bio-organic chemistry. This training is well suited for employment in academia and industry as demonstrated by the hiring of my graduates. Since starting my career in October 1991, I have trained 44 graduates, 51 undergraduate, 9 International exchange, 3 Junior College Students, 32 Postdoctoral Fellows, and 5 technicians.

#### • Graduate Students

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|--|---|
| 46. Ramesh Chingle (Ph.D. 01/13 - )                      | Azodicarboxylate Chemistry                |
| 45. Nagavenkata Durgaprasad (M.Sc. 01/13 - )             | Substituted Indolizidinone Peptiomimetics |
| 44. Fatima Mohammadpour (M.Sc. 01/12 - )                 | Solid Phase Azapeptide Synthesis          |
| 43. Julien Poupart (M.Sc. 01/12 - )                      | PEG-Peptides                              |
| 42. Miriem Boukanoun (M.Sc. 09/11)                       | Azabicycloalkane Peptide Mimics           |
| 41. Julien Dufour (M.Sc. 09/09 - )                       | Pyrrolodiazepinones                       |
| 40. Stéphane Turcotte (Ph.D. 09/09 - )                   | Sulfonyldiamides                          |
| 39. Aurélie Dörr (M.Sc., 01/04 - 08/07; Ph.D., 09/07 - ) | Pyrrolo-Alanines                          |
| 38. Tanya Godina (M.Sc., 01/07 – Medical Leave)          | Macrocyclic Peptide Mimics                |

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37. Carine Bourguet (Ph.D., 01/04 – 11/12, *Prostaglandin Antagonists*) PDF UdeM  
 36. Caroline Proulx (PhD, 09/07-10/12, *Azapeptides*) PDF w/R. Zuckermann, Lawrence Berkeley Lab. CA  
 35. Robert Hopewell (M.Sc. 09/09 - *Amino Cyclic Ureas*) Hospital Radiology Technician, Montréal  
 34. Kim Beauregard (M.Sc. 09/09 – 02/12 *IL1 Modulators*) Pharmacy M.Sc. Student, UdeM.  
 33. Tshibaka Tshitundu (M.Sc., 09/07 – 08/11 *Bipyrrole Chemistry*) Technician UdeM.

32. Nicolas Genest (M.Sc., 05/05 – 09/10 *Homoallylic Ketones*) Scientist, L'Oréal, Montreal.
31. Wajih Ben Tahar (M.Sc., 09/05 – 09/09 *Fluorescent Peptides*), Hospital Radiology Tech., Montréal
30. Philippe Deaudelin (M.Sc., 06/06 - 02/09, *Pyrrole Libraries*), Scientist Galderma Canada, Baie d'Urfé
29. Hassan Iden (M.Sc, 09/04 - 04/08, *Pyrrolodiazepinones*), Scientist, Dalton Pharma Inc., Toronto
28. Benoît Jolicoeur (M.Sc., 01/04 - 06/07, *Prodigosins*) Technician, Comb. Chem. Lab. U. Montréal.
27. Zohreh Sajjadi (M.Sc., 09/03 - 06/07, *Azetidine Carboxylates*) Res. Agent, Albany Molecular, USA
26. Christophe Pardin (Ph.D., co-directed w/ J. Keillor, 05/03 - 05/07, *TGase Inhibitors*), PDF A. Schmitzer, U. Montreal.
25. Charles Banville (M.Sc., 09/02 - 07/06, *Pyrrolizidinones*) Scientist, L'Oréal, Montreal.
24. Simon Suprenant (M.Sc., 09/03 - 01/06, *Azabicycloalkanes*), Scientist, Boehringer Ingelheim, Laval.
23. Yann Brouillette (M.Sc., 09/03 - 09/05, *Pyrrole Libraries*), Ph.D. student, U. Montpellier I, France.
22. Fabrice Galaud (M.Sc., 09/01- 08/05, *Amino Lactams*) Technician, Comb. Chem. Lab. U. Montréal.
21. Guillaume Jeannotte (M.Sc., 09/01- 09/04, *Pyrrolo-Prolines*), Scientist, L'Oréal, Montreal.
20. James Dettwiler (M.Sc., 01/01 - 08/04, *Aureobasidin Mimics*), Research Scientist, Switzerland.
19. Jérôme Cluzeau (Ph.D. 09/98 - 08/04, *CGRP Peptide Mimics*) is Scientist, Lek Pharmaceuticals d.d., Menges Site SDC, Slovenia.
18. Felix-A. Marcotte (M.Sc. 09/01-08/04, NSERC Scholar 01-03, *Aminopyrroles*) Cégep Prof., Montreal.
17. Catherine Girard (M.Sc. 05/01-09/03, NSERC Scholar 01-03, *Hdac Inhibitors*) Med. School, U. de M.
16. Evelyn Dietrich (M.Sc. 08/00- FCAR Scholar 00-02, *pyrrolizidinones*) Scientist, Phagotech, Montreal.
15. Laurent Bélec (M.Sc. 09/95 - 12/96, Ph.D. 01/97 - 11/02, *5-t-BuPro Oxytocin Mimics*) Scientist, GeminX, Montreal.
14. Kenza Daiiri (M.Sc. 05/98 - 03/02, *Asp-Protease Mimicry*) Scientist, Gemin X, Montreal.
13. Liliane Halab (Ph.D. 05/96 - 03/02, NSERC Scholar 1996-98, *Type VI b-Turn Mimics*) Scientist, Virochem, Laval.
12. Simon Roy (M.Sc. 06/97 - 05/01; FCAR Scholar 97-99, *Gramicidin S Mimics*) Scientist, Methylgene Inc. Montréal.
11. Eryk Thouin (M.Sc./NSERC Scholar 09/94 - 12/96; Res. Ass. 07/01- 04/04, *Kinase Ligands*) Scientist, BioAxone, Montreal.
10. Feng, Zhe (M.Sc. 09/97 - 09/00, *Alkyl-Branched Indolizidinone Amino Acids*) Scientist, Novartis Res. Corp., Summit, NY.
9. Lan, Wei (M.Sc. 08/97 - 06/00, *AMPA-like Isoxazole Amino Acids*) Scientist, Merck, Rahway USA.
8. Francis Gosselin (M.Sc. 09/95 - 12/96, Ph.D. 01/97 - 01/00, NSERC scholar 1996-9, *Heterocyclic Amino Acids*) NSERC Scholar PDF /Prof. P. Wender, Stanford U, Scientist, Merck Frosst since 2002.
7. Eric Beausoleil (M.Sc. 05/92 - 05/94, Ph.D. 05/94 - 09/99, *Sterically Demanding Alkylprolines*) PDF w/Dr. R. Zuckermann, Chiron and Prof. F. Cohen, UCSF, Scientist at Exonhit, Paris, France.
6. Dany Rondeau (M.Sc. 06/97 - 12/98, *Kainic Acid Analogs / DPP IV Inhibitors*) is teaching at a Cegep in Montreal.
5. Henry-Georges Lombart (Ph.D. 09/92 - 09/97, *Azabicycloalkane  $\beta$ -Turn Peptidomimetics*) after a PDF w/ Prof. I. Paterson, Cambridge U., U.K., Scientist at Genetics Institute, Cambridge, USA.
4. Patrice Gill (M.Sc. 01/94 - 05/97, *Kainic Acid Derivatives*) Scientist, Bristol Myers Squibb, Princeton, New Jersey, USA.
3. Trang Pham (M.Sc. 05/92 - 05/93; Ph.D. 05/93 - 02/97, Bio-Méga Scholar 93-94, *Enantioselective Amino Acid Synthesis by Hydrogenation*). PDF w/ Prof. R. Noyori, U. Nagoya, presently QA Auditor for Quintiles AB, Sweden.
2. Benoit L'Archevêque (M.Sc. 09/93 - 09/95, NSERC Scholar 93-95, *5-t-BuPro<sup>7</sup> Oxytocin*) Scientist, Conjuchem, Montreal.
1. Mohamed Atfani (Ph.D. 01/93 - 05/94 transferred to Inorganic, *Isoxazole Amino Acids*) scientist Neurochem Inc. Montreal.

- **Post-doctoral fellows**

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|---------------------------------------|----------------------------------|
| 33. Carine Bourguet (Ph.D., 11/12 - ) | Prostaglandin Modulators         |
| 32. Doan Ngoc Duc (06/12 - )          | Amino Cyclic Ureas               |
| 31. Yessica Garcia-Romas (10/10 - )   | Azapeptide CD36 Receptor Ligands |

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30. Tarek Kassem (11/06 – 05/12, *PVA-PEG Chemistry*) Founder Izi-Chem Inc., Montréal
  29. Daniel St-Cyr (08/08–02/12, *Hydroxy Amino Lactam*) Tech., Inst. Res. Immunol. Cancer, Montréal
  28. Nicolas Boutard (05/07 – 04/11, *Amino-Lactams*) Post-Doctoral Fellow, Italy.
  27. David Sabatino (04/07 – 07/10, *Azapeptides*), Assistant Professor, Seaton Hall University, NJ, USA.
  26. Luisa Ronga (03/08 – 06/09, *Lactam Peptide Mimics*), Ass. Prof. U. Bordeaux, Fac. Pharm. Sci.
  25. Gil Fridkin (08/03 - 12/08, *Deazapurines*), Scientist, Israel Inst. for Biol. Research, Ness-Ziona, Israel.
  24. Wang Chen (11/07 - 10/08, *IL1 Ligands*), Process Chemist, Thesis Chem. Inc., Cambridge Ontario.
  23. Andrew Jamieson (01/07 - 08/08, *Amino Lactam Mimics*) Lecturer, Leicester University, UK.
  22. Teresa Lama (09/05 - 02/07, *Hydroxyethylene Isosteres*) Scientist, Mimetogen Inc., Montreal.
  21. Louis Watanabe (05/06 - 01/07, *Amino Lactams*) Director, Watanabe Chem. Ind., Japan.
  20. Susan Seaman (01/05 - 07/06, *Quinolizidinone Mimics*) Editorial Assistant for Organic Letters, USA.
  19. John Blankenship (06/03 - 05/06, *Sheet Mimics*) Scientist, Genentech, San Francisco, USA.
  18. Mandar Bodas (10/04 - 03/06, *Amino Lactams*) Scientist, Syngene International Ltd., India.
  17. Ramana Rao (03/04 - 03/06, *Pyrrolizidinones*) Scientist, Syngene International Ltd., India.
  16. Juntao Luo (09/04 - 09/05, *PVA-PEG Resin*) PDF w/ Professor Kit Lam, UC Davis, CA, USA.
  15. Damien Boeglin (01/04 - 08/05, *Aza-Peptides*) Alsachim Bioparc, Graffenstaden, France.
  14. Martin Gagnon (co-directed w/ U. Saragovi, 09/03 - 03/05, *GD2 Ligands*) Scientist at Chlorion Pharma, Quebec City.
  13. Karl Hansford (03/03 - 05/05, *Cytokine Ligands*) Scientist, Boron Molecular, Melbourne Australia.
  12. Ramesh Kaul (05/02 - 03/05, *GPCR Ligands*) Scientist, NeuroMed, Vancouver.
  11. Rosa Melendez (03/01 - 11/03, FCAR Fellow 08/01-09/03, *Azapeptides*) Scientist, Predix Pharma, Woodburn MA, USA.
  10. Wim de Borggraeve (03/03 - 08/03, *Pyrrolizidinones*) Assistant Professor, Leuven U., Belgium.
  9. Frederick Rombouts (10/02 - 07/03, *Deazapurines*) Jensen Pharma, Belgium
  8. Mohamed Atfani (06/00 - 01/01, *Glu-Receptor Ligands*) Scientist, Neurochem Inc., Montreal
  7. Hovsep Avedissian (06/00 - 03/01, *Rho- Kinase Ligands*) PDF, w/ Pr. Ganesan, Southampton U., U.K.
  6. Jo van Betsbrugge (09/97 - 05/00, *Azasugar Mimics*) started BioQuadrant Pharm., Inc. Laval, Canada.
  5. Felix Polyak (03/97 - 07/99, *FP Ligands*) Chief Operating Officer, Aluron Biopharma Inc. Montreal.
  4. Martin Swarbrick (Glaxo Fellow, 01/98 - 06/99, *Alkylpipercolates*) Scientist, Glaxo, Stevenage, U.K.
  3. Mostafa Hatam (10/97 - 06/99, *Azasugar Synthesis*) Scientist, Aapptec Inc., USA.
  2. Raman Sharma (10/93 - 07/95, *beta-Alkylprolines*) PDF w/ Professor S. Hanessian, U. Montréal.
  1. Houda Haj Ibrahim (10/91 - 08/93, *Alkylprolines*) Research Scientist, Separations Technologies, USA.

• **Invited Conference Presentations / Plenary Lectures**

42. 18ème Congrès du Groupe Français des Peptides et des Protéines, Sète, France 26-31 May, 2013
41. The Peptide Chemistry Conference 2012, Riviera Maya, Mexico, Nov. 2-6, 2012.
40. 1<sup>st</sup> UdeM-MANA workshop on Nano-Life, University of Montreal, July 19<sup>th</sup> 2012
39. 22nd American Peptide Symposium, San Diego, CA, 06/2011.
38. Frontiers in Peptide Science, PACIFICHEM 2010 - Honolulu, HA, Dec. 18-19, 2010.
37. Fifth International Peptide Symposium / 47<sup>th</sup> Japanese Peptide Symposium Kyoto, Japan 12/4-9/10
36. 31<sup>st</sup> European Peptide Soc. Meeting, Copenhagen, DK, 09/2010.
35. Swedberg Lecture, Uppsala U., Uppsala, Sweden, 08/30/10.
34. XIX Biennial Meeting of the International Society for Eye Research, Montreal, Canada, 07/18-23/10

33. 13<sup>th</sup> Int. IUPAC Polymer & Organic Chemistry, Montréal, 07/5-9/09.
32. Am. Chem. Soc. Hirschmann Award Symposium, Org. Chem. Div., Salt Lake City, 03/2009.
31. Peptides 2007, Australian Peptide Soc. Meeting, Cairns, 10/2007.
30. 89th Canadian Society of Chemistry Conference, Halifax, NS, 05/27-31/06.
29. Gordon Res. Conference, Peptides, Ventura, CA, 02/06.
28. PACIFICHEM 2005 - Honolulu, HA, Dec. 2005.
27. 19th American Peptide Symposium, San Diego, CA, 06/05.
26. Boehringer Ingelheim Lecture, University of British Columbia, 03/2005.
25. 28th European and 3rd International Symposium on Peptides, Prague, 2004.
24. Acfas colloquium "chimie combinatoire et biologie", UQAM, Montreal, May 12<sup>th</sup>, 2004.
23. IUPAC/CSC meeting, Ottawa, 08/10-15/03.
22. 18th Am. Peptide Symp., Boston, MA, 07/19-23/03.
21. Am. Chem. Soc. Hirschmann Award Symposium, Med. Chem. Div. New Orleans, March 2003.
20. W.D. Lubell, "...Probes for Chemical Biology" IUPAC/CSC, Ottawa, Aug. 10-15, 2003.
19. Merck Frosst Centre for Therapeutic Research Award Lecture, 85th CSC Vancouver, BC, 06/1-5/02.
18. 85th CSC Vancouver, BC, June 1 - 5, 2002.
17. 17th Am. Peptide Symp., San Diego, CA, June 9-14, 2001.
16. 69<sup>e</sup> Congrès de l'Acfas, U. Sherbrooke, 05/16/2001.
15. Am. Chem. Soc. Hirschmann Award Symposium, Med. Chem., San Diego, 04/03/2001.
14. Symposium on Antibiotics, Pacificchem 2000, Honolulu, HA, 12/14 - 19/2000.
13. Gordon Research Conference Heterocycles, Newport, RI, 07/09-04/00.
12. Mini-symposium on Natural and Non-Natural Products, U. Hamburg, Ger., 12/06 - 07/99.
11. Mini-Workshop Biophys. Biomol. Modeling, MEMPHYS, Tech. U. Denmark, Lynby, 09/17/1999.
10. Peptidomimetics Symp., Houffalize, Belgium, 04/26-03/99.
9. 81st CSCCE, Whistler, 05/31 - 06/04/1998.
8. 5th Chem. Congr. N. Am., Cancun, Mexico, 11/11-15/97.
7. 2nd Can. Conf. Combi. Chem., Montreal, 10/06-07/97.
6. 64<sup>e</sup> Congrès de l'Acfas, McGill U., Montreal, le 14 mai 1996.
5. IBC's 3rd Annual Conference Peptidomimetics, Wash, DC, 03/06-08/96.
4. 78th CSCCE Conf., U. of Guelph, Guelph, 05/28 - 06/01/1995.
3. Ottawa-Carleton Chemistry Institute 25th Spring Synthesis Symposium, Ottawa, ON, May 1, 1995.
2. 62<sup>e</sup> Congrès de l'Acfas, UQAM Montreal, PQ, du 16 au 20 mai 1994.
1. Second Canadian Workshop on Organic Synthesis, Jouvence, PQ, May 25 - May 28, 1993.

**• Patents**

13. "Peptidomimetics comprising N-amino cyclic urea residues and uses thereof" Lubell, W. D.; Ong, H.; Chemtob, S.; Proulx, C.; Beauregard, K.; Garcia-Ramos, Y.; Hopewell, R. provisional patent No. US 61/655,682 filed June 5, 2012.
12. "Conjugated 4-methoxybipyrrole thiophene azomethines: synthesis, opto-electronic properties and crystallographic characterization." Skene, William G.; Lubell, William D.; Tshibaka, Tshitundu; Dufresne, Stéphane; provisional patent No. US 61/515344 filed August 5, 2011.
11. "Prostaglandin-F2alpha Receptor Antagonists and Uses Thereof." Bourguet, C.; Goupil, E.; Tassy, D.; Hou, W.; Thouin, E.; Polyak, F.; Hebert, T. E.; Claing, A.; Laporte, S. A.; Chemtob, S.; Lubell, W. D. "; USPTO 13/486,502 filed June 1, 2012.
10. "Processes for Preparing Amino-substituted gamma-Lactams." Lubell, William; Jamieson, Andrew; Boutard, Nicolas; Ronga, Luisa; St-Cyr, Daniel; Turcotte, Stéphane; Chen, Wang; International patent No. WO2010/105367 filed March 20, 2009.
9. "Interleukin-1 Receptor Antagonists and Uses Thereof." Chemtob, Sylvain; Quiniou, Christiane; Lubell, William D.; Turcotte, S.; Boutard, N.; Ronga, Luisa; Jamieson, Andrew; St-Cyr, Daniel; Chen, Wang; provisional patent No. US 61/162070 filed March 20, 2009
8. "IL-23 Receptor Antagonists and Uses Thereof." Chemtob, Sylvain; Quiniou, Christiane; Lubell, William D.; serial No. VAL-381 Canada, Temporary USA No. 60/958,660, PCT/US2008/008314 filed July 6, 2008.
7. "Azapeptides as CD36 binding compounds." Ong, Huy; Chemtob, Sylvain; Lubell, William D.; Boeglin, Damien; Proulx, Caroline; Sabatino, David; Sajjadi, Zohreh; serial No. PCT/CA2008/001162 Canada, USA, PCT filed June 18, 2008.
6. "Cinnamoyl inhibitors of transglutaminase." Pardin, Christophe; Keillor, Jeffrey W.; Lubell, William D.; serial No. PCT/CA2008/001049 Canada, USA, PCT filed May 29, 2008.
5. "Poly(vinyl alcohol) polymers, uses and preparations thereof." Luo, Juntao; Kassem, Tarek; Zhu, Julian X.; Lubell, William D.; Application No. Val-479 Canada, Temporary USA No. 60/804664, PCT/CA2007/001063 and Publication No.: WO 2007/143848 filed June 12, 2007.
4. "Interleukin-1 receptor antagonists, compositions and methods of treatment." Chemtob, Sylvain; Quiniou, Christiane; Beauchamp, Martin; Lubell, William D.; Hansford, Karl A.; Application No. 10/839751 Canada, USA, PCT filed May 4, 2004
3. "4-Substituted Piperidine Derivatives." Inventors: McKerracher, L.; Thouin, E.; Gingras, K.; Lubell, W.D.; serial No. B600-WO-02 Canada, USA, PCT filed February 24, 2004.
2. "1,4-Substituted Cyclohexane Derivatives." Inventors: McKerracher, L.; Thouin, E.; Lubell, W.D.; serial No. 2400996 Canada, USA, PCT filed Sept. 3, 2003
1. "Peptides and peptidomimetics useful for inhibiting the activity of prostaglandin F2alpha receptor." Inventors: Peri, K.; Polyak, F.; Thouin, E.; Lubell, W.D.; Chemtob, S.; serial No. 60/387424, filed with USPTO on June 11, 2002.

**• Refereed Journal Publications**

133. Rivera, J.-C.; Sitaras, N.; Noueihed, B.; Hamel, D.; Madaan, A.; Zhou, T.; Honoré, J.-C.; Quiniou, C.; Joyal, J.-S.; Hardy, P.; Sennlaub, F.; Lubell, W.; Chemtob, S. "Microglia and IL-1 $\beta$  in ischemic retinopathy elicit microvascular degeneration through neuronal semaphoring 3A" *Arteriosclerosis, Thrombosis, and Vascular Biology*, 2013 in press.
132. Leduc M, Hou X, Hamel D, Sanchez M, Honoré J-C, Lubell W, Varma DR, Mancini J, Peri KG, Heveker N, Chemtob S. "Restoration of renal function by a novel prostaglandin EP<sub>4</sub> receptor-derived peptide in models of acute renal failure." *Am J Physiol Regul Integr Comp Physiol* 304:R10-R22, 2013.
131. Garcia-Romas, Y.; Proulx, C.; Lubell, W., D. "Synthesis of hydrazine and azapeptide derivatives by alkylation of carbazates and semicarbazones" *Can. J. Chem.*, 2012, 90, 985-993. (NSERC, CIHR)
130. Proulx, C.; Lubell, W., D. "N-Amino-imidazolin-2-one Peptide Mimic Synthesis and Conformational Analysis" *Org. Lett.*, 2012, 14, 4552-4555. (NSERC, CIHR)

129. Proulx, C.; Picard, E.; Boeglin, B.; Pohankova, P.; Chemtob, S.; Ong, H.; Lubell, W., D. "Azapeptide Analogues of GHRP-6 as Cluster of Differentiation 36 Receptor Ligands with Reduced Affinity for the Growth Hormone Secretagogue Receptor 1a." *J. Med. Chem.* 2012, 55, 6502–6511. (NSERC)
128. Dörr, A. A.; Lubell, W.D. "Synthesis of Protected 2-Pyrrolylalanine for Peptide Chemistry and Examination of Its Influence on Prolyl Amide Isomer Equilibrium" *J. Org. Chem.* 2012, 77, 6414–6422. (NSERC)
127. Spiegel, J.; Mas-Moruno, C.; Kessler, H.; Lubell, W.D. "Cyclic aza-peptide integrin ligand synthesis and biological activity" *J. Org. Chem.* 2012, 77, 5271–5278. (NSERC)
126. Gnaccarini, C.; Ben-Tahar, W.; Mulani, A.; Roy, I.; Lubell, W.D.; Pelletier, J.N.; Keillor, J.W. "Site-specific protein propargylation using tissue transglutaminase" *Org. Biomol. Chem.*, 2012, 10, 5258-5265. (FQRNT)
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• **Refereed Review Articles, Book Chapters and Editorial**

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13. Proulx, C.; Lubell, W. D. "O-(6-Chloro-1*H*-benzotriazol-1-yl)-*N,N,N',N'*-tetramethyluronium tetrafluoroborate" *Encyclopedia of Reagents for Organic Synthesis*, 2012. A. B. Charette, D. Crich, P. L. Fuchs, G. A. Molander (Eds); John Wiley & Sons Ltd.: Chichester, 2nd Ed.; (I.D.: RN01544), 2013.
12. Jamieson, A. G.; Sabatino, D.; Boutard, N.; Lubell, W. D. "Peptide Scanning for Studying Structure-Activity Relationships in Drug Discovery" *Chem. Bio. Drug Design* 2013, 81, 148-165.
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5. Cluzeau, J.; Lubell, W. D. "Design, Synthesis and Application of Azabicyclo[X.Y.0] alkanone Amino Acids as Constrained Dipeptide Surrogates..." *Biopolymers, Peptide Science* 2005 80, 98-150.
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2. HALAB,L.; GOSSELIN, F.; LUBELL, W. D. "Design, Synthesis and Conformational Analysis of Azacycloalkane Amino Acids as Conformationally Constrained Probes for Mimicry of Peptide Secondary Structures" *Biopolymers, Peptide Science* 2000 55, 101-122.



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- **Book**

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