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EDUCATION AND CAREER PROFILE

- 1998-Present: Research Scientist at the Cereal Research Centre, Winnipeg, MB (Agriculture and Agri-Food Canada), Protein Biochemistry/Proteomics.
- 1996-1998: NSERC Postdoctoral Fellow at the Cereal Research Centre, Winnipeg.
- 1991-1996: **PhD Plant Science, University of British Columbia, Vancouver BC, Canada.**
- 1989-1990: MSc, Biotechnology, University of the Witwatersrand, Johannesburg, South Africa.
- 1985-1988: BSc (Hons) Biochemistry, University of the Witwatersrand, Johannesburg, South Africa.

PROFESSIONAL AFFILIATIONS

- 1998-2006: Adjunct Professor: Department of Botany, University of Manitoba.
- 2007-present: Adjunct Professor: Dept. of Biochemistry and Medical Genetics, University of Manitoba.
- 2010-present: Canadian Society of Mass Spectrometrists.

RECENT PUBLICATIONS (2001-2011)

1. Bakkeren G, Song X, Panwar V, Linning R, Wang X, Rampitsch C, et al. 2011. Functional genomic approaches in cereal rusts. *Can. J. Plant Pathol.* In Press.
2. Bykova NV, Hoehn B, Rampitsch C, et al. 2011. Thiol redox-sensitive seed proteome in dormant and non-dormant hybrid genotypes of wheat. *Phytochemistry* In Press.
3. Song X, Rampitsch C, Bakkeren G, et al. 2011. A protein profile from wheat leaf rust fungus, *Puccinia triticina*, in planta infection structures. *Proteomics* 11: 944-963.
4. Bykova NV, Hoehn B, Rampitsch C, et al. 2011. Redox-sensitive proteome and antioxidant strategies in wheat seed dormancy control. *Proteomics* 11: 865-882.
5. Fofana B, Rampitsch C, Nyomba BL, et al. 2010. Prenatal alcohol exposure induces phosphorylation and alters glycosylation of oxidative stress and diabetes-related proteins in rat offspring. *Proteomics* 10: 417-434.

6. El Bebany A, Rampitsch C, Daayf F. 2010. Comparative proteomic analysis of the phytopathogenic soilborne fungus *Verticillium dahliae*. *Proteomics* 10: 289-303.
7. Rampitsch C, et al. 2010. The phosphoproteome of *Fusarium graminearum* at the onset of nitrogen starvation. *Proteomics* 10: 124-140.
8. Rampitsch C, Bykova NV. 2009. "Methods for Functional Proteomic Analyses" in Somers D, et al. (Eds) *Methods in Molecular Biology* 513: 93-110. Humana Press, Totowa NJ.
9. Xing T, Rampitsch C, et al. 2009. TAB2, a nucleoside diphosphate protein kinase, as a component of the tMEK2 disease resistance pathway in tomato. *Physiol. Molec. Plant Pathol.* 73: 33-39.
10. Rampitsch C, et al. 2006. Analysis of the wheat and *Puccinia triticina* (leaf rust) proteomes during a compatible host-pathogen interaction. *Proteomics* 6: 1897-1907.
11. Bykova N, Rampitsch C, et al. 2006. Determination and characterization of site-specific N-glycosylation using MALDI-QqTOF tandem mass spectrometry: a case study with a plant protease. *Anal. Chem.* 78: 1093-1103.
12. Fofana B, Cloutier S, Duguid S, Ching J, Rampitsch C. 2006. Gene expression of stearyl-ACP desaturase (SAD) and Δ 12 fatty acid desaturase 2 (FAD2) is modulated during seed development of flax (*Linum usitatissimum*). *Lipids* 41: 705-712.
13. Rampitsch C, et al. 2006. Selection for β -glucan content in early generations of an oat (*Avena sativa* L.) breeding programme using a monoclonal antibody-based enzyme-linked immunosorbent assay. *Cereal Chem.* 83: 510-12.
14. Rampitsch C, et al. 2006. Phosphoproteomic profiling of wheat callus labelled *in vivo*. *Plant Sci.* 171: 488-496.
15. Rampitsch C, Srinivasan M. 2006. The application of proteomics to plant pathology: a review. *Can. J. Bot.* 84: 883-892.
16. Chinnasamy G, Rampitsch C. 2006. Efficient solubilization buffers for two-dimensional gel electrophoresis of acidic and basic proteins extracted from wheat seeds. *Biochim. Biophys. Acta: Proteins and Proteomics* 1756: 641-644.
17. Jordan M, Cloutier S, Somers D, Procuiner D, Rampitsch C, Xing T. 2006. Beyond resistance genes: dissecting pathways of resistance to disease, using genomics and proteomics. *Can. J. Plant Pathol.* 28: S228-232.
18. Cvetkovska M, Rampitsch C, Xing T, et al. 2005. Genomic analysis of MAP Kinase cascades in *Arabidopsis* defence responses. *Plant Molec. Biol. Rep.* 23: 331-343.
19. Thurston G, Regan S, Rampitsch C, Xing T. 2005. Proteomic and phosphoproteomic approaches to understand plant-pathogen interactions. *Physiol. Molec. Plant Pathol.* 66: 3-11.
20. Rampitsch C, et al. 2004. Phosphoproteomics: Approaches to Studying MAP Kinase Signalling in the Tomato Leaf. *Recent Res. Devel. Biochem.* 5: 291-306.
21. Rampitsch C, et al. 2003. Development of a Monoclonal Antibody-Based Enzyme-Linked Immunosorbent Assay to Quantify Soluble β -Glucans in Oats and Barley. *J. Agric. Food Chem.* 51: 5882-5887.
22. Xing T, Rampitsch C, et al. 2003. MALDI-QqTOF and transient gene expression analysis indicated co-enhancement of β -1,3-glucanase and endochitinase by tMEK2 and the involvement of divergent pathways. *Physiol. Molec. Plant Pathol.* 62: 209-217.
23. Cloutier S, Rampitsch C, et al. 2001. Cloning and expression of a LMW-i glutenin gene. *J. Cereal Sci.* 33: 143-154.