

Curriculum Vitae

Bryan D. Koivisto

Associate Professor, Ryerson University

Citizenship: Canadian

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Education

2000 – 2006 – Ph.D. University of Victoria – Victoria, BC

- Ph.D. thesis project entitled 'Synthesis and Characterization of Verdazyl Containing Molecules and Metal-Verdazyl Complexes.' Supervisor: Robin G. Hicks.

1995 – 2000 – B.Sc. University of Waterloo (Co-op) – Waterloo, ON

- Honors B.Sc. thesis project entitled 'Noble-Metallorceptors for Benzoquinone Recognition.' Supervisor: Garry S. Hanan.

Relevant Work Experience

2014 (Sept) – current – Ryerson University – Toronto, ON. Associate Professor, Chemistry

- Design and synthesis of dye and device architectures for light-harvesting applications

2011 – 2014 (Sept) – Ryerson University – Toronto, ON. Assistant Professor, Chemistry

- Design and synthesis of dye and device architectures for light-harvesting applications

2008 – 2011 – University of Calgary – Calgary, AB. Post Doctoral Fellowship

- investigation of water oxidation catalysts and inorganic dyes for dye-sensitized solar cells.
Supervisor: Curtis P. Berlinguette

2008 – 2008 – University of Victoria – Victoria, BC. Sessional Lecturer

- CHEM 222 – Inorganic Chemistry

2006 – 2008 – University of Edinburgh – Edinburgh, United Kingdom. NSERC Post Doctoral Fellowship

- investigating electronic and magnetic communication between molecules and metal ions using [2]Rotaxanes.
Supervisor: David A. Leigh

2006 – 2006 – University of Victoria – Victoria, BC. Post Doctoral Fellowship

- investigating the effect of guanidinium π -stacking on hydration and binding.
Supervisor: Fraser Hof

1999 – 1999 – 3M Canada – London, ON. Research Associate

- investigation of functionalized dendrimers as polymer processing additives.

1998 – 1998 – NRCan (CANMET) – Ottawa, ON. Research Associate

- the design of semiconducting solid-state carbon monoxide combustion gas sensors.

Research Funding and Financial Support

2015 – Designing Solar Simulators with LED Light Sources – (Sciencetech Ltd. - NSERC Engage Plus; \$25,000)

2015 – RECODE: Addressing Science Literacy with makerspace science kits – (Ryerson; \$8000)

2015 – Office of the President – Matching contribution for CaB Innovation Zone – (Ryerson; \$25000)

2015 – Dean's Travel Fund (Chemistry Society of Canada Conference, Ottawa, ON) – (Ryerson; \$750)

2015 – Developing Stabilized Electrolytes Solutions – (NSERC Engage; \$25,000)

2015 – Ryerson Student Spaceflight Experiments Program – (NSERC; \$17,000)

2015 – Ryerson Student Spaceflight Experiments Program – (Ministry of Research & Innovation; \$6,000)

2014 – Next-Generation Light Sources for Solar Simulators – (Sciencetech Ltd. - NSERC Engage; \$25,000)

2014 – Developing LED Light Sources for Solar Simulators – (Sciencetech Ltd. - OCE VIP; \$25,000)