



M. J. MacLachlan

Mark J. MacLachlan

Date of birth:	December 27, 1973
Position:	Professor of Chemistry, University of British Columbia
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Education:	1991–1995 BSc, University of British Columbia 1995–1999 PhD with Profs. Ian Manners and Geoff Ozin, University of Toronto 1999–2001 NSERC Postdoctoral Fellow with Prof. Timothy Swager, Massachusetts Institute of Technology
Awards:	2009–2010 Alexander von Humboldt Fellowship for Experienced Researchers; 2012 E. W. R. Steacie Memorial Fellowship; 2013 Strem Award for Pure or Applied Inorganic Chemistry; Rutherford Memorial Medal; JSPS Invitational Fellowship
Research:	Supramolecular chemistry; materials chemistry; coordination chemistry
Hobbies:	Camping, cycling, skating, skiing, reading books about number theory

The author presented on this page has recently published his **10th article** in *Angewandte Chemie* in the last 10 years:

“Responsive Photonic Hydrogels Based on Nanocrystalline Cellulose”: J. A. Kelly, A. M. Shukaliak, C. C. Y. Cheung, K. E. Shopowitz, W. Y. Hamad, M. J. MacLachlan, *Angew. Chem.* **2013**, 125, 9080–9084; *Angew. Chem. Int. Ed.* **2013**, 52, 8912–8916.

My motto is ... “If it were easy, someone would have already done it.”

I advise my students to ... work hard and play hard.

In a spare hour, I ... try to catch up on endless e-mail.

My favorite quote is ... “It is better to remain silent and be thought a fool than to speak and remove all doubt.” (Unknown, but often attributed to Mark Twain or Abraham Lincoln.)

My favorite way to spend a holiday is ... camping with my kids, far away from phone and e-mail.

My favorite name reaction is ... the Belousov–Zhabotinsky reaction.

My science “heroes” are ... Isaac Newton, Leonhard Euler, and Albert Einstein.

My favorite musician is ... “Weird Al” Yankovic, to whom I dedicated my PhD thesis.

My favorite book is ... *The Hitchhiker’s Guide to the Galaxy* by Douglas Adams—a clever and entertaining book.

The natural talent I would like to be gifted with ... is the ability to fly.

The biggest challenge facing scientists is ... communicating their research to the public.

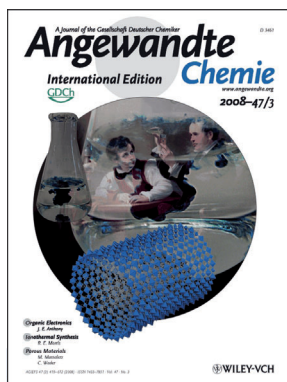
Chemistry is fun because ... it is limited only by imagination.

Young people should study chemistry because ... many important problems require chemistry solutions.

My favorite drink is ... Hefeweizen.

My 5 top papers:

1. “Free-standing mesoporous silica films with tunable chiral nematic structures”: K. E. Shopowitz, H. Qi, W. Y. Hamad, M. J. MacLachlan, *Nature* **2010**, 468, 422–425. (Colored glass films from sand and wood.)
2. “Soluble Prussian Blue Nanoworms from the Assembly of Metal–Organic Block Ionomers”: X. Roy, J. K.-H. Hui, M. Rabnawaz, G. Liu, M. J. MacLachlan, *Angew. Chem.* **2011**, 123, 1635–1640; *Angew. Chem. Int. Ed.* **2011**, 50, 1597–1602. (Processable and patternable Prussian blue materials.)
3. “Columnar Organization of Head-to-Tail Self-Assembled Pt₄ Rings”: P. D. Frischmann, S. Guieu, R. Tabeshi, M. J. MacLachlan, *J. Am. Chem. Soc.* **2010**, 132, 7668–7675. (A simple self-assembly route to nanotubes by coordination chemistry.)
4. “Ion-Induced Tubular Assembly of Conjugated Schiff-Base Macrocycles”: A. J. Gallant, M. J. MacLachlan, *Angew. Chem.* **2003**, 115, 5465–5468; *Angew. Chem. Int. Ed.* **2003**, 42, 5307–5310. (A new way to stack macrocycles.)
5. “Capsule formation in novel cadmium cluster metal-locavitands”: P. D. Frischmann, M. J. MacLachlan, *Chem. Commun.* **2007**, 4480–4482. (Beautiful metal-locavitand capsules based on Cd₇ complexes.)



The work of M. J. MacLachlan has been featured on the cover of *Angewandte Chemie*: “Mesoporous Prussian Blue Analogues”: X. Roy, L. K. Thompson, N. Coombs, M. J. MacLachlan, *Angew. Chem.* **2008**, 120, 521–524; *Angew. Chem. Int. Ed.* **2008**, 47, 511–514.

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