

Laboratoire de Chimie
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Simon Harrisson

Date of Birth: Feb 27, 1975
Nationality: Australian/British

Chargé de Recherche (CNRS)

RDRP mechanisms and kinetics • gradient copolymerization • statistical analysis of polymer structure
79 peer-reviewed publications • 2 patents • 2230 citations • h-index of 29 (Web of Science)

Professional Experience

- 2019–** **Chargé de recherche** at the Laboratoire de Chimie des Polymères Organiques
2016– **Elected Member** of the Comité National de la Recherche Scientifique, Section 11
2014–2019 **Chargé de recherche** at the IMRCP laboratory, CNRS, UMR 5623, Université Paul Sabatier Toulouse III.
2012–2013 **Contract Researcher** in the team of James Wilson, Rhodia Opérations, Aubervilliers (18 months industrial research).
2010–2012 **Postdoctorate** in the team of Professor P. Couvreur, UMR CNRS 8612, Université Paris Sud XI.
2007–2010 **Deputy Project Leader** Cooperative Research Center for Polymers, Australia. Industrially-focused research on reverse osmosis membranes.
2005–2010 **Research Scientist** Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia.
2003–2005 **Postdoctorate** in the team of Professor K. L. Wooley, Washington University in St Louis (USA).
2001–2003 **Postdoctorate** in the team of Professor D. M. Haddleton, University of Warwick, Coventry, UK.

Education and Training

- 2016** **Habilitation à Diriger les Recherches.** *Controlled Radical Copolymerization: From Fundamentals to Functional Polymers.* Université Paul Sabatier Toulouse III
2012 **Qualification Maître de Conférences.** Section 32.
1998–2002 **Doctor of Philosophy.** *Kinetics and Mechanisms of Radical Ring-Opening Polymerisation.* University of New South Wales (Australia). Degree awarded October 29, 2002.
1993–1997 **Bachelor of Science, Industrial Chemistry.** University of New South Wales (Australia), 1st Class Honours.

Five key publications

1. Gody, G.; Zetterlund, P. B.; Perrier, S.; Harrisson S.* [The limits of precision monomer placement in chain growth polymerization.](#) *Nature Commun.* **2016**, 7, 10514
2. Harrisson, S.* [The downside of dispersity: why the standard deviation is a better measure of dispersion in precision polymerization.](#) *Polym. Chem.* **2018**, 9, 1366-1370
3. Harrisson, S.*; Nicolas, J. [In the \(very\) long run we're all dead: Activation and termination in SET-LRP/SARA ATRP.](#) *ACS Macro Lett.* **2014**, 3, 643-647
4. Harrisson, S.*; Ercole, F.; Muir, B. W. [Living spontaneous gradient copolymers of acrylic acid and styrene: one-pot synthesis of pH-responsive amphiphiles.](#) *Polym. Chem.* **2010**, 1, 326-332.
5. Yanez-Macias, R.; Kulai, I.; Ulbrich, J.; Yildirim, T.; Sungur, P.; Hoepfener, S.; Guerrero-Santos, R.; Schubert, U. S.; Destarac, M.; Guerrero-Sanchez, C.*; Harrisson, S.* [Thermosensitive spontaneous gradient copolymers with block- and gradient-like features.](#) *Polym. Chem.* **2017**, 8, 5023-5032