

Curriculum vitae
Professor Dr Mike Steel
20 June 2022

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Current position

Director, Biomathematics Research Centre, University of Canterbury (1998-present).
Distinguished Professor (Mathematics), University of Canterbury (since 2002).

Education

PhD in Mathematics Massey University (1989).
Dip. Journalism, University of Canterbury (1985).
MSc (Distinction) in Mathematics, University of Canterbury (1983).
B.Sc.(Hons I) in Mathematics, University of Canterbury (1982).

Honours and Distinctions

2020 Marsden Fund grant (2021-2023): NZ\$900,000
2018 Elected fellow of the *International Society for Computational Biology* (ISCB)
2018 Elected fellow of the *New Zealand Mathematical Society*
2018 Awarded *Catalyst International Leaders* grant for visit to NZ by Prof Huson
2017 Marsden Fund grant (2018-2020): NZ\$650,000
2014 Promoted to Distinguished Professor
2014 Awarded University of Canterbury annual Research Award
2014 Awarded 3-year NSF research grant (jointly with Michael Sanderson and Alexis Stamatidakis).
2012 Marsden Fund grant (also grants in 1994, 1997, 2000, 2003, 2006, 2009).
2010 Awarded James Cook Fellowship by the *Royal Society of New Zealand*
2009-present Appointed Deputy Director of the Alan Wilson Centre (a NZ-government funded Centre of Research Excellence).

2008 Awarded annual Research Award College of Engineering, University of Canterbury

2007 Isaac Newton Institute for Mathematical Sciences program co-organiser

2004 Awarded Maclaurin Fellowship (NZIMA)

2003 Elected fellow of the Royal Society of New Zealand.

2002 Founding PI of the Allan Wilson Centre for Molecular Ecology and Evolution.

1999 Awarded the NZ Mathematical Society's Research Award, with the citation:

“for his fundamental contributions to the mathematical understanding of phylogeny, demonstrating a capacity for hard creative work in combinatorics and statistics and an excellent understanding of the biological implications of his results”.

Publication Record

Refereed Journal Articles: 280

Books (authored, co-authored, edited): 3

Book chapters: 7

h-index (Google Scholar, 20/06/22): 69

Citations (Google Scholar, 20/06/22): >18,700

A full list of publications can be found at:

www.math.canterbury.ac.nz/~m.steel/Non_UC/publications.html

Research Interests

Mathematical biology, particularly phylogenetics, molecular evolution, origin of life, speciation and extinction and biodiversity conservation. Applications of probability theory and discrete mathematics in biology, philosophy of science, and systems chemistry.

Professional Service

Associate editor *Journal of Mathematical Biology* (since 2019-present)

Associate editor *Bulletin of Mathematical Biology* (since 2012-present)

Editorial board member of *Algorithms in Molecular Biology*, *Evolutionary Bioinformatics*, and *IEEE Transactions in Computational Biology*

Co-organiser of numerous international workshops and conferences, including a 2017 meeting in BIRS institute in Banff, a 2014 conference on computational models in

evolution at the *Simons Institute* (UC Berkeley) and a 4-month phylogenetics programme at the *Isaac Newton Institute* in Cambridge UK (Sept-Dec. 2007).

Keynote speaker at numerous meetings, including a phylogenetics summer school and conference in Barcelona (June-July 2017), and in Leipzig (August 2013), principal lecturer at the NSF-CBMS phylogenetics lecture series at Winthrop (USA) in July 2014, and at phylogenetic meetings in Singapore and Australia in 2015.

Panelist for the NZ Marsden Fund (2002, 2004, 2005) and PBRF panel (equivalent of RAE panel) in 2006. Panelist for Royal Society of NZ awards and new fellows.

Reviewer for ~15 papers each year.