

# Katie S. Collins

Curator of Benthic Molluscs, The Natural History Museum, London

## Contact

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Website:



## Profile

Molluscan paleontologist | Evolution of form and function in the global marine Bivalvia | Museum collections, morphometrics, CT scanning | Bivalve systematics | NZ endemic fossil Mollusca

## Education

Victoria University of Wellington

New Zealand

2013

PhD in Geology

Dissertation: Journeys through Shape and Time: Palaeobiology of Cenozoic New Zealand Spissatella and Eucrassatella

2008

BSc in Geology and Biology, with Honours in Geology

## Positions

Natural History Museum, London

UK

Present

Curator of Benthic Molluscs

University of Chicago

USA

2016 – 2019

Postdoctoral Researcher

GNS Science

New Zealand

2015 – 2016

Consulting Curator

2006 – 2008

Data entry for Fossil Record Electronic Database

Victoria University of Wellington

New Zealand

2009 – 2016

Curator, School of Geography, Environment and Earth Sciences (SGEES)

2015 – 2016

Undergraduate Lab Manager, SGEES

2015 – 2016

Outreach Coordinator, SGEES

2009 – 2016

Senior Tutor, SGEES

## Postgraduate Students

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### Victoria University of Wellington, MSc in Geology students

Current	C. Whitten (title TBD)
2019	L. Hobbs - <i>A paleoenvironmental analysis of the Pukenui Limestone, southeastern Wairarapa.</i>
2017	J. Elliot - <i>Paleoenvironmental analysis of the Hautawa Shellbed, Whanganui Basin.</i> A. Milner - <i>Plio-Pleistocene stratigraphy, depositional environments and uplift history of the Manawatu Strait.</i>

### University of Chicago, Senior Thesis students

2019	S. Khouja - <i>'Bivalves Unhinged': Biomechanical tradeoffs in hinge plate and muscle configuration.</i> M. Schumm - <i>Global patterns of functional diversity and community assembly in Marine and Terrestrial Systems.</i>
2018	S. Leventhal - <i>Tradeoffs in marine bivalve shape and size across latitude.</i>

## Outreach and Public Engagement

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2020	Guest speaker at Notting Hill Ealing High School Science Week
2019-ongoing	Contributor to PhyloPic
2016	Earth Science Judge, NIWA Science Fair
2015	Exhibitor for VUW Geology Dept at National Gem and Mineral Show
2015	Tutor, Wellington-Hutt Valley Gem and Mineral 'Geokids' Club
2014	Guest Speaker, Wellington-Hutt Valley Gem and Mineral Club
2012	Fossil casting exercises with the Kiwi Conservation Club
2010-2016	Participant in annual Te Rōpu Awhina outreach events for Māori and Pasifika teens

## Grants and Awards

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2019	Part of team awarded CDAC seed funding for "Predicting Shifts in Biological Growth Driven by Climate Change: A Geometric Deep Learning Approach"
2015	Honorary Life Member, VUW Student Geology Society
2014	Australian Synchrotron Imaging and Medical Beamline Experiment 8599
2013	VUW Faculty Strategic Research Grant #205750
2012	VUW PhD Submission Scholarship
2011	John Gamble Award for social and academic contribution to SGEES

## Service

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Ongoing	Journal reviews ( <a href="https://publons.com/researcher/1633535/katie-susanna-collins">https://publons.com/researcher/1633535/katie-susanna-collins</a> )
2019	Symposium Organiser: North American Paleontological Congress (upcoming)
2016	Committee Member: Geoscience Society of NZ Wellington Branch
2015	Organising Committee: Annual Conference of the Geoscience Society of NZ
2015	Editor: How to Make a Mud Pie – Layer Cakes, Rocky Road and Other Recipes for Geologists in the Field (ISBN: 9780473311391). Dispress and Emma Smart Publishing