

# NG Pun Tung Terence, Ph.D.

## Curriculum vitae



The Swire Institute of Marine Science and School of  
Biological Sciences, The University of Hong Kong

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### EDUCATION

2013	Ph.D.	The University of Hong Kong
2008	B.Sc.	City University of Hong Kong

### ACADEMIC/PROFESSIONAL APPOINTMENTS

2015 to present	Honorary Assistant Professor	School of Biological Sciences, The University of Hong Kong
2014 to present	Postdoctoral Fellow	The Swire Institute of Marine Science, The University of Hong Kong
Apr-Jun 2014	Visiting Scientist	The Sven Lovén Centre for Marine Sciences-Tjärnö, University of Gothenburg
2013-2014	Senior Research Assistant	The Swire Institute of Marine Science, The University of Hong Kong
2006-2008	Part-time Research Assistant	Marine Ecology Laboratory, City University of Hong Kong
2007	Summer Intern	Environment Protection Authority (EPA), Victoria, Australia

### ACADEMIC/PROFESSIONAL SERVICES

2015-present	Chief Editor	Hong Kong Register of Marine Species (HKRMS) <a href="http://www.marinespecies.org/hkrmms/">http://www.marinespecies.org/hkrmms/</a>	World Register of Marine Species (WoRMS)
	Member	World Harbour Project (WHP) - Hong Kong team	Sydney Institute of Marine Science (SIMS)
	Member	Marine Biodiversity Focus Group-Habitat Assessment, Biodiversity Strategy and Action Plan (BSAP)	Hong Kong SAR Government
2015-2016	Coordinator	Student Work Experience and Internship programs	The Swire Institute of Marine Science, The University of Hong Kong
	Survey Leader	BioBlitz Hong Kong, Tai Tam, 24-25 October	Tai Tam Tuk Eco Educational Centre, Hong Kong
	Volunteer organizer	High school intertidal field trips	Tai Tam Tuk Eco Educational Centre, Hong Kong
2014-present	Reviewer for ISI journals	<ul style="list-style-type: none"><li>● <i>Animal Behaviour</i></li><li>● <i>Animal Biology</i></li><li>● <i>Behavioural Processes</i></li><li>● <i>Brain and Behaviour</i></li></ul>	

		<ul style="list-style-type: none"> <li>● <i>Bulletin of Marine Science</i></li> <li>● <i>Journal of Experimental Marine Biology and Ecology</i></li> <li>● <i>Journal of Molluscan Studies</i></li> <li>● <i>Marine and Freshwater Behaviour and Physiology</i></li> <li>● <i>Regional Studies in Marine Science</i></li> <li>● <i>ZooKeys</i></li> </ul>	
2014-2015	Organizing committee	The 11th International Symposium on Littorinid Biology and Evolution (ISOLBE), 28 July-1st August	The University of Hong Kong
2008-2011	Co-Founder and Chairman	University Consortium on Aquatic Sciences (UCAS), a regional postgraduate network	The University of Hong Kong, Xiamen University and National Taiwan Ocean University

## AWARDS

2012	Outstanding Research Postgraduate Student Annual Award (Best Ph.D. thesis) Champion and People's Choice Award, Three Minute Thesis Competition (3MT) See winning video at <a href="https://www.youtube.com/watch?v=ILL3IUhdM2Y">https://www.youtube.com/watch?v=ILL3IUhdM2Y</a> Best Presentation Award, The 4th UCAS Postgraduate Symposium: Understanding and Managing our Aquatic Environment, 5-9 March	The University of Hong Kong The Malacological Society of London The University of Hong Kong  Xiamen University
2008	Best BSc Final Year Project Award	Faculty of Science, City University of Hong Kong

## TEACHING EXPERIENCE

2014-2015	Guest lecture on mangrove ecology, Ecology and Evolution (course code: BIOL 2306)	School of Biological Sciences, The University of Hong Kong
2014	Guest lecture on sexual selection, Animal Behaviour (course code: BIOL4303)	School of Biological Sciences, The University of Hong Kong
2013-2015	Lectures and field trips on intertidal ecology	High school visits, The Swire Institute of Marine Science, The University of Hong Kong
2010	Demonstrator	BSc field course on Coastal Ecology at Tsitsikamma National Park, 1-10 April, University of Johannesburg

## SUPERVISION AND MENTORING EXPERIENCE

2016-present	Ms. LAU Lok Yee Sarah	Ph.D. in Marine Biology (co-supervise with Gray A. Williams)
2015-2016	Ms. WANG Yixin Mr. TANG Tak Shing Steven	M.Sc. in Environmental Management M.Sc. in Environmental Management
2014-2015	Mr. MA Tsun Wang	M.Sc. in Environmental Management (co-supervise with Gray A. Williams)
2013-2014	Ms. HAU Hui Yi	M.Sc. in Environmental Management

## GRANTS

2016	Project manager and main contributor to project proposal	HKD 992,301	General Research Fund	Adaptive capacity of marine snails: Can sexual selection hasten or obstruct adaptation in an era of global warming?	Research Grant Council, Hong Kong SAR Government
2015	PI	HKD 48,048	Small Project Funding	Screening of trail pheromone signals in gastropod mucus using a shotgun proteomic	The University of Hong Kong
	Project manager and main contributor to project proposal	HKD 712,083	General Research Fund	Environmentally induced changes in behavioural responses and selection pressures: predicting the fate of high shore snails under a warming climate	Research Grant Council, Hong Kong SAR Government
	Project team member and main contributor to project proposal	HKD 4,233,490	Environment and Conservation Fund	Assessing the marine biodiversity and ecology of Tolo Harbour and Channel, with particular reference to coastal marine environments of Ting Kok and Shuen Wan Hoi – phase I	Environment and Conservation Fund, Hong Kong SAR Government
2014	Co-I	HKD 46,327	Small Project Funding	Phenotypic plasticity of thermal tolerance: do snails from different intertidal habitats exhibit localised thermal acclimation?	The University of Hong Kong
	PI	SEK 110,000	Research scholarship for international researcher	Metabolomics of gastropod mucus trails - in search of snail chemical communication	The Royal Swedish Academy of Sciences

## PUBLICATIONS

- 2016 **Ng, T.P.T.**, Lau S.L.Y., Seuront, L., Davies, M.S., Stafford, R. & Williams, G.A. (in press) Linking behaviour and climate change in intertidal invertebrates: Insights from littorinid snails. *Journal of Experimental Marine Biology and Ecology*
- Ng, T.P.T.**, Cheng, C.F., Kevin K.Y. Ho, Lui, G.C.S., Leung, K.M.Y. & Williams, G.A. (2016) Hong Kong's rich marine biodiversity: the unseen wealth of South China's megalopolis. *Biodiversity and Conservation* doi:10.1007/s10531-016-1224-5
- Zardi, G.I., Nicastro, K.R., McQuaid, C.D., **Ng, T.P.T.**, Lathlean, J. & Seuront, L. (2016) Cool parasites: positive effects of endolithic parasitism on intertidal mussels. *Scientific Reports* 6:31413
- Lathlean, J., Seuront, L., McQuaid, C.D., **Ng, T.P.T.**, Zardi, G., Nicastro, K. (2016) Size and position matter: small-scale patterns of heat-stress associated with two co-occurring mussels with different thermoregulatory behaviour. *Marine Biology* 163:189
- Ng, T.P.T.**, Davies, M.S., Stafford, R. & Williams, G.A. Rolán-Alvarez E. (2016) Sampling scale can cause bias in positive assortative mating estimates: The first evidence in two intertidal snails. *Biological Journal of the Linnean Society* 119:414-419
- Lathlean, J., Seuront, L., McQuaid, C.D., **Ng, T.P.T.**, Zardi, G. & Nicastro, K. (2016) Cheating the locals: invasive mussels steal and benefit from the cooling effect of indigenous. *PLoS ONE* 11: e0152556.
- Ng, T.P.T.**, Davies, M.S., Stafford, R. & Williams, G.A. (2016) Fighting for mates: the importance of individual size in mating contests in rocky shore littorinids. *Marine Biology* 163:50
- Seuront, L., & **Ng, T.P.T.** (2016) Standing in the sun: infrared thermography reveals distinct thermal regulatory behaviours in two tropical high-shore littorinid snails. *Journal of Molluscan Studies* 82:336-340
- Ng, T.P.T.** & Johannesson, K. (2016) No precopulatory inbreeding avoidance in the intertidal snail, *Littorina saxatilis*. *Journal of Molluscan Studies* 82:213-215
- 2015 **Ng, T.P.T.** & Williams, G.A. (2015) Penis-rejection in a mangrove littorinid snail: why do females reject males? *Journal of Molluscan Studies* 81: 164-166
- Stafford, R., **Ng, T.P.T.**, Davies, M.S. & Williams, G.A. (2015) A biologically relevant rapid quantification of physical and biological stress profiles on rocky shores. *Ecological Informatics* 25: 43-48
- Perkins, M.J., **Ng, T.P.T.**, Dudgeon, D., Bonebrake, T.C. & Leung, K.M.Y. (2015) Conserving intertidal habitats: What is the potential of ecological engineering to mitigate impacts of coastal structures? *Estuarine, Coastal and Shelf Science* 167:504-515
- 2014 **Ng, T.P.T.** & Williams, G.A. (2014) Size-dependent male mate preference and its association with size-assortative mating in a mangrove snail, *Littoraria ardouiniana*. *Ethology* 120: 995-1002
- Williams, G.A., Leung, K.M.Y., **Ng, T.P.T.**, Cheng, M.C.F. (2014) A review of marine biodiversity and ecological surveys in Hong Kong. Final Report submitted to Environment and Conservation Fund, Hong Kong SAR Government
- 2013 **Ng, T.P.T.**, Saltin, S.H., Davies, M.S., Johannesson, K., Stafford, R. & Williams, G.A. (2013) Snails and their trails: the multiple functions of trail following in gastropods. *Biological Reviews* 88: 683-700
- Marshall, D. J. & **Ng, T.P.T.** (2013) Shell standing in littorinid snails: a multifunctional behaviour associated with mating? *Journal of Molluscan Studies* 79:74-75
- Ng, T.P.T.** (2013) Sexual selection in marine snails using littorinids as model species. *The Malacologist (the bulletin of the Malacological Society of London)* 61: 20-22

- 2012 **Ng, T.P.T.** & Williams, G.A. (2012) Contrasting reproductive traits in two species of mangrove dwelling littorinid snails in a seasonal tropical habitat. *Invertebrate Biology* 131: 177-186
- 2011 **Ng, T.P.T.**, Davies, M.S., Stafford, R. & Williams, G.A. (2011) Mucus trail following as a mate-searching strategy in mangrove littorinid snails. *Animal Behaviour* 82: 459-465

## INTERNATIONAL CONFERENCE PRESENTATIONS

- 2016 **Ng, T.P.T.**, Lau, S.L.Y., Seuront, L., Davies M.S., Stafford, R., Marshall, D.J., Williams, G.A. (2016) Linking behaviour and climate change: insights from intertidal snails. The 16th congress of the International Society for Behavioral Ecology, 28 Jul-3rd Aug, University of Exeter, U.K.
- 2015 **Ng, T.P.T.**, Lau, S.Y.L., Davies, M.S., Seuront, L., Williams, G.A. (2015) Doing the right thing at the right time: Behavioural partitioning in tropical littorinid snails. Aquatic Biodiversity and Ecosystems Conference, 30 August - 4 September, University of Liverpool
- Zardi, G.I., Nicastro, K.R., McQuaid, C.D., **Ng, T.P.T.**, Lathlean, J.A., Seuront, L. (2015) Cool parasites: indirect positive effects of endolithic parasitism on intertidal mussels. Aquatic Biodiversity and Ecosystems Conference, 30 August - 4 September, University of Liverpool
- Ng, T.P.T.**, Cheng, M.C.F., Leung, K.M.Y. & Williams, G.A. (2015) A comprehensive literature review of marine biodiversity in Hong Kong. International Conference on Biodiversity, Ecology and Conservation of Marine Ecosystems 2015 (BECOME 2015), 1-4 June, The University of Hong Kong
- 2014 **Ng, T.P.T.**, Davies, M.S., Stafford, R., Williams, G.A. (2014) Battle for females: male fighting behaviour in littorinids. 11th International Symposium on Littorinid Biology and Evolution (ISOLBE), 28 July-1 August, The University of Hong Kong
- Stafford, R., **Ng, T.P.T.**, Davies, M.S., Williams, G.A. (2014) Adaptive physiology at a local scale: implications for species distributions under climate change. ECSA 54 - Coastal systems under change: tuning assessment and management tools, 12-16 May, University of Lisboa, Portugal
- Ng, T.P.T.**, Saltin, S.H., Davies, M.S., Johannesson, K., Stafford, R. & Williams, G.A. (2014) Sex on the beach: a cocktail of behavioural repertoires which drive size-assortative mating in rocky shore littorinids? 10th International Temperate Reef Symposium (ITRS), 12-17 January, The University of Western Australia
- 2013 **Ng, T.P.T.** (2013) Reproductive behaviour of mangrove littorinid snails: how do males successfully mate with females? 10th International Symposium on Littorinid Biology and Evolution (ISOLBE), 24-29 July, Saint-Petersburg State University

## INVITED SEMINARS

- 2016 AFCD Marine Parks and Marine Ecological Resources Public Seminar 2016, Hong Kong Cultural Centre. See details at [https://www.afcd.gov.hk/english/country/cou\\_vis/cou\\_vis\\_mar/cou\\_vis\\_mar\\_wha/cou\\_vis\\_mar\\_wha\\_9.html](https://www.afcd.gov.hk/english/country/cou_vis/cou_vis_mar/cou_vis_mar_wha/cou_vis_mar_wha_9.html)
- 2015 Department of Biochemistry, Genetics and Immunology, University of Vigo  
THINK@Café, The University of Hong Kong
- 2014 The Sven Lovén Centre for Marine Sciences- Tjärnö, University of Gothenburg
- 2013 Island School, Hong Kong