
CURRICULUM VITAE

DR. CHONG CHEN, MA DPHIL (OXON.)

DATE OF BIRTH: April 3, 1990

NATIONALITY: Hong Kong SAR

ORCID: 0000-0002-5035-4021

<https://squamiferum.net/>

ADDRESS

Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

Yokosuka Headquarters

2-15 Natsushima-cho, Yokosuka

Kanagawa Prefecture 237-0061, Japan

Tel: +81 (0)46-867-9717

E-mail: cchen@jamstec.go.jp

PERSONAL STATEMENT

Biologist with research foci on invertebrate animals and the deep sea, especially chemosynthesis-based ecosystems. Key interests include adaptation, evolution, biogeography, ecology, biodiversity, taxonomy and systematics. Trained and skilled in both morphological (e.g., dissection, histology, electron microscopy) and molecular (e.g., DNA barcoding, phylogenetics, population genetics) methods. Experienced malacologist with taxonomic expertise in marine gastropods. Currently serving on the editorial boards of two international journals, as well as a member of the IUCN (International Union for Conservation of Nature) Species Survival Commission's mollusc specialist group. Was an elected officer of the Deep-Sea Biology Society and also the Malacological Society of London. Extensive records in field expedition at sea, logging over 600 days on-board over 40 voyages, using manned submersibles, ROV, and AUV, among other equipment. Constantly seeking and developing new techniques required to answer scientific questions, always actively collaborating. Able to disseminate results timely with a proven track record for publishing peer-reviewed scientific papers. Highly experienced in both talk and poster presentations. Involved in and motivated by public engagement and outreach. Adept international traveller. Quadrilingual.

PROFESSIONAL EXPERIENCE

| | |
|-------------------|---|
| 2022/07 ~ Present | Senior Scientist Japan Agency for Marine-Earth Science and Technology (JAMSTEC) Yokosuka Headquarters SUGAR Program, X-STAR |
| 2023/03 ~ Present | Guest Researcher Senckenberg Research Institute and Natural History Museum, Frankfurt Division of Marine Zoology Section Malacology |
| 2020/04 ~ 2022/06 | Research Scientist with Tenure Japan Agency for Marine-Earth Science and Technology (JAMSTEC) Yokosuka Headquarters SUGAR Program, X-STAR |
| 2018/04 ~ 2020/03 | Research Scientist (Tenure-Track) Japan Agency for Marine-Earth Science and Technology (JAMSTEC) Yokosuka Headquarters SUGAR Program, X-STAR |
| 2018/07 ~ 2019/03 | Adjunct Lecturer |

Yokohama National University, Japan
 Graduate School of Environment and Information Sciences
 2015/05 ~ 2018/03 **International Postdoctoral Fellow (= Young Research Fellow)**
Japan Agency for Marine-Earth Science and Technology (JAMSTEC)
 Yokosuka Headquarters
 Department of Subsurface Geobiological Analysis and Research
 2014/09 ~ 2021/10 **Visiting Research Fellow**
Queen's University Belfast, Northern Ireland, United Kingdom
 Queen's University Marine Laboratory, School of Biological Sciences
 2017/04 ~ 2017/09 &
 2018/04 ~ 2018/09 **Adjunct Lecturer**
Sophia University, Tokyo, Japan
 Faculty of Science and Technology
 2015/07 ~ 2016/06 **Research Associate**
University of Oxford, England, United Kingdom
 Ocean Research & Conservation Group, Department of Zoology

EDUCATION

2015/04 **DPhil** **Doctor of Philosophy in Zoology (Oxon.)**
 Graduated **University of Oxford (Merton College), England, United Kingdom**
British Antarctic Survey, Cambridge, England, United Kingdom
 Thesis: "Systematics, ecology, and evolution of hydrothermal vent endemic
 peltospirids (Mollusca: Gastropoda) from the Indian and Southern oceans"
 Supervisor: *Alex D. Rogers (University of Oxford)*
 Co-supervisors: *Jonathan T. Copley (University of Southampton)*
Katrin Linse (British Antarctic Survey, Cambridge)
Julia D. Sigwart (Queen's University Belfast)
 Advisors: *Sammy De Grave (University of Oxford)*
Martin R. Speight (University of Oxford)
Peter W.H. Holland (University of Oxford)

2015/04 **MA** **Master of Arts in Biological Sciences (Oxon.)**
 Incepted **University of Oxford (St Anne's College), England, United Kingdom**
 Incepted from BA (Hons.) following the attainment of DPhil.

2011/07 **BA** **Bachelor of Arts (Hons.) in Biological Sciences (Oxon.)**
 Graduated **University of Oxford (St Anne's College), England, United Kingdom**
 Thesis: "The effect of water pollution on community structure and size distribution
 of rocky shore organisms in Hong Kong"
 Main supervisor: *Martin R. Speight (University of Oxford)*
 Co-supervisors: *Gray A. Williams (University of Hong Kong)*
Kenneth M.Y. Leung (University of Hong Kong)

2008/05 **Diploma** **International Baccalaureate Diploma Programme**
 Graduated **Shatin College, New Territories, Hong Kong SAR**
 English School Foundation, Hong Kong SAR

OTHER AFFILIATIONS

2023/02 ~ Present **SOSA Ambassador**
Senckenberg Ocean Species Alliance (SOSA)
 Senckenberg Research Institute, Frankfurt

2019/02 ~ Present **Specialist Member**
The IUCN Species Survival Commission, Mollusc Specialist Group
 IUCN Red Listing of hydrothermal vent molluscs

2017/04 ~ Present **Radiation User**
SPring-8 Synchrotron Radiation Facility
 RIKEN and Japan Synchrotron Radiation Research Institute (JASRI)

2016/10 ~ Present **Affiliate**
Lawrence Berkeley National Laboratory, California, U.S.A.

PEER-REVIEWED PUBLICATIONS

= Co-first Authors; * = Corresponding Author(s)

145. Senckenberg Ocean Species Alliance (SOSA), Brandt A, **Chen C**, Engel L, Esquete P, Horton T, Jazdzewska AM, Johannsen N, Kaiser S, Kihara TC, Knauber H, Kniesz K, Landschoff J, Lörz A-N, Machado FM, Martínez-Muñoz CA, Riehl T*, Serpell-Stevens A, Sigwart JD, Tandberg A-H, Tato R, Tsuda M, Vončina K, Watanabe HK, Wenz C, Williams JD (2024). Ocean Species Discoveries 1-12 – A primer for accelerating marine invertebrate taxonomy. *Biodiversity Data Journal*, **12**: e128431. DOI: 10.3897/BDJ.12.e128431
144. Wang H, He X, **Chen C**, Gao K, Dai Y, Sun J* (2024). New insights into the phylogeny of Neogastropoda aided by draft genome sequencing of the volutid snail *Fulgoraria chinoi*. *Zoologica Scripta*, **Early View**. DOI: 10.1111/zsc.12687
143. Methou P*, Ogawa NO, Nomaki H, Ohkouchi N, **Chen C**, Schnabel K (2024). Genetic connectivity and isotopic niches of alvinocaridid shrimps from chemosynthetic habitats in Aotearoa/New Zealand, with a new *Alvinocaris* species. *Marine Ecology Progress Series*, **739**: 85-109. DOI: 10.3354/meps14611
142. **Chen C**# / Liu X#, Gu X, Qiu J-W, Sun J* (2024). Integrative taxonomy of a new giant deep-sea caudofoveate from South China Sea cold seeps. *Zoosystematics and Evolution*, **100**(3): 841-850. DOI: <https://doi.org/10.3897/zse.100.125409>
141. Chan BKK, Watanabe HK, **Chen C*** (2024). Commentary: “Comparative omics analysis of a new deep-sea barnacle species (*Cirripedia*, *Scalpellomorpha*) and shallow-water barnacle species provides insights into deep-sea adaptation”. *Frontiers in Marine Science*, **11**: 1374419. DOI: 10.3389/fmars.2024.1374419
140. **Chen C***, Poitrimol C, Matabos M (2024). Integrative taxonomy of new neomphaloidean gastropods from deep-sea hot vents of the southwestern Pacific. *Zoological Journal of the Linnean Society*, **Advance Access**: zlae064. DOI: 10.1093/zoolinnean/zlae064
139. **Chen C*** (2024). *In situ* observation and range extension of the first discovered monoplacophoran *Neopilina galathea*. *Journal of Molluscan Studies*, **90**(2): eyae014. DOI: 10.1093/mollus/eyae014 [Preprint available on *bioRxiv*, DOI: 10.1101/2023.11.08.566290]
138. **Chen C***, Watanabe HK, Sawada H, Iwamoto H, Takai K (2024). Serpentinite-hosted chemosynthetic community of South Chamorro Seamount, Mariana Forearc. *Marine Ecology*, **Early View**. DOI: 10.1111/maec.12808
137. Nomaki H*, **Chen C**, Ogawa NO, Miyairi Y, Ohkouchi N, Makabe A, Kawagucci S, Yokoyama Y, Shimanaga M (2024). Elucidating carbon sources of hydrothermal vent animals using natural ¹⁴C abundances and habitat water temperature. *Limnology and Oceanography*, **Early View**. DOI: 10.1002/lno.12570
136. **Chen C***, Hookabe N, Komatsu H (2024). Macrofaunal community of a new hot vent field on the Amami Rift. *Journal of the Marine Biological Association of the United Kingdom*, **104**: e39. DOI: 10.1017/S0025315424000304
135. Oliver PG*, **Chen C** (2024). *Tartarothyasira* gen. nov., a replacement name for *Tartarothyas* Oliver & Chen, 2024. *Journal of Conchology*, **45**(1): 61. DOI: 10.61733/jconch/1407
134. Oliver PG*, **Chen C** (2024). Revision of the generic placement of two hadal bivalves (Bivalvia: Thyasiridae) from the Japan Trench with the introduction of a new genus, *Tartarothyas*. *Journal of Conchology*, **45**(1): 35-50. DOI: 10.61733/jconch/1405
133. **Chen C***, Jamieson JW, Tunnicliffe V (2024). Hydrothermal vent fauna of the Galápagos Rift: updated species list with new records. *Marine Biodiversity*, **54**: 16. DOI: 10.1007/s12526-024-01408-w [Preprint available on *bioRxiv*, DOI: 10.1101/2023.11.28.568903]
132. Methou P*, **Chen C**, Komai T (2024). Revision of the alvinocaridid shrimp genus *Rimicaris* Williams & Rona, 1986 (Decapoda: Caridea) with description of a new species from the Mariana Arc hydrothermal vents. *Zootaxa*, **5406**(4): 501-518. DOI: 10.11646/zootaxa.5406.4.1
131. Ishikawa NF*, **Chen C**, Hashimoto R, Ogawa NO, Uyeno D, Nomaki H (2024). Amino acid nitrogen isotopic compositions show seep copepods gain nutrition from host animals. *Marine Ecology Progress Series*, **727**: 81-90. DOI: 10.3354/meps14503
130. **Chen C***, Y Li, Sun J, Beaulieu SE, Mullineaux LS (2024). Two new melanodrymid snails from the East

- Pacific Rise indicate the potential role of inactive vents as evolutionary stepping-stones. *Systematics and Biodiversity*, **22**(1): 2294014. DOI: 10.1080/14772000.2023.2294014
129. Zhang L, Gu X, **Chen C**, He X, Qi Y, Sun J* (2024). Mitogenome-based phylogeny of the gastropod order Neomphalida points to multiple habitat shifts and a Pacific origin. *Frontiers in Marine Science*, **10**: 1341869. DOI: 10.3389/fmars.2023.1341869
 128. **Chen C***, Isobe N, Nomaki H (2024). A deep abyssal natural wood fall in the northwestern Pacific and its associated fauna. *Marine Biology Research*, **19**(10): 556-563. DOI: 10.1080/17451000.2023.2291579
 127. Methou P*, Guéganton M, Copley JT, Watanabe HK, Pradillon F, Cambon-Bonavita M-A, **Chen C** (2023). Distinct development trajectories and symbiosis modes in vent shrimps. *Evolution*, **78**(3): 413-422. qpad217. DOI: 10.1093/evolut/qqad217 [Preprint available on *bioRxiv*, DOI: 10.1101/2023.07.02.547428]
 126. Tunnicliffe V*, **Chen C**, Giguère T, Rowden AA, Watanabe HK, Brunner O (2023). Hydrothermal vent fauna of the western Pacific Ocean: Distribution patterns and biogeographic networks. *Diversity and Distributions*, **30**(2): e13794. DOI: 10.1111/ddi.13794
 125. Qi Y# / Zhong Z#, Liu X, He X, Zhou Y, Zhang L, **Chen C**, Linse K, Qiu J-W, Sun J* (2023). Phylogenomic analyses reveal a single deep-water colonisation in Patellogastropoda. *Molecular Phylogenetics and Evolution*, **190**: 107968. DOI: 10.1016/j.ympev.2023.107968
 124. Xu T, Chai X, **Chen C**, Watanabe HK, Sun J, Xiao Y, Wang Y, Chen J, Qiu J-W*, Qian P-Y* (2023). Genetic divergence and migration patterns of a galatheoid squat lobster highlight the need for deep-sea conservation. *Molecular Ecology*, **33**(1): e17200. DOI: 10.1111/mec.17200
 123. Han Y, Zhou Y*, **Chen C**, Wang Y (2023). Diversity and biogeography of scale worms in the subfamily Lepidonotopodinae from Indian Ocean hydrothermal vents with descriptions of four new species. *Zoological Journal of the Linnean Society, Advanced Access*. DOI: 10.1093/zoolinnean/zlad140
 122. He X# / Xu T#, **Chen C**, Liu X, Li Y-X, Zhong Z, Gu X, Lin Y-T, Lan Y, Yan G, Sun Y, Qiu J-W*, Qian P-Y*, Sun J* (2023). Same (sea) bed different dreams: Biological community structure of the Haima seep reveals distinct biogeographic affinities. *The Innovation Geoscience*, **1**(2): 100019. DOI: 10.59717/j.xinn-geo.2023.100019
 121. Breusing C*, Xiao Y, Russell SL, Corbett-Detig RB, Li S, Sun J, **Chen C**, Lan Y, Qian P-Y, Beinart RA* (2023). Ecological differences among hydrothermal vent symbioses may drive contrasting patterns of symbiont population differentiation. *mSystems*, **8**(4): e00284-23. DOI: 10.1128/msystems.00284-23 [Preprint available on *bioRxiv*, DOI: 10.1101/2022.08.30.505939]
 120. Watanabe HK, Uyeno D, Yamamori L, Jimi N, **Chen C*** (2023). From commensalism to parasitism within a genus-level clade of barnacles. *Biology Letters*, **19**: 20220550. DOI: 10.1098/rsbl.2022.0550
 119. He X, Wang H, Xu T, Zhang Y, **Chen C**, Qiu J-W, Zhou Y*, Sun J* (2023). Genomic analysis of a scale worm provides insights into its adaptation to deep-sea hydrothermal vents. *Genome Biology and Evolution*, **15**(7): e12489. DOI: 10.1093/gbe/evad125
 118. Sawada H*# / **Chen C***, Iwamoto H, Takai K (2023). A trip into molten sulfur. *Island Arc*, **32**(1): e12489. DOI: 10.1111/iar.12489
 117. **Chen C***, Watanabe HK, Sawada H, Iwamoto H, Takai K (2023). Unexpected discovery of a serpentinite-hosted chemosynthetic ecosystem on Asùt Tesoru Seamount, Mariana Forearc. *Marine Ecology*, **44**(5): e12759. DOI: 10.1111/maec.12759
 116. Sigwart JD*# / **Chen C***, Tilic E, Vences M, Riehl T (2023). Why is there no service to support taxonomy? *BioEssays*, **45**(9): 2300070. DOI: 10.1002/bies.202300070
 115. **Chen C***, Zhong Z, Qiu J-W, Sun J (2023). A new *Paralepetopsis* limpet from a South China Sea seep hints at a paraphyletic Neolepetopsidae. *Zoological Studies*, **62**: 26. DOI: 10.6620/ZS.2023.62-26
 114. Methou P*, Nye V, Copley JT, Watanabe HK, Nagai Y, **Chen C** (2023). Life-history traits of alvinocaridid shrimps inhabiting chemosynthetic ecosystems around Japan. *Marine Biology*, **170**: 75. DOI: 10.1007/s00227-023-04221-4
 113. Kawagucci S*# / Matsui Y#, Nomaki H, **Chen C** (2023). Deep-sea freezer. *Frontiers in Marine Science*, **10**: 1179818. DOI: 10.3389/fmars.2023.1179818
 112. **Chen C***, Sigwart JD (2023). The lost vent gastropod species of Lothar A. Beck. *Zootaxa*, **5270**(3): 401-436. DOI: 10.11646/zootaxa.5270.3.2
 111. Brandt A# / **Chen C***, Tandberg AHS, Miguez-Salas O, Sigwart JD* (2023). Complex sublinear burrows in the deep sea may be constructed by amphipods. *Ecology and Evolution*, **13**(3): e9867. DOI: 10.1002/ece3.9867
 110. Li Y-X, Zhang Y, Ip JC-H, Liu J, **Chen C**, Little CTS, Yokoyama Y, Yasuhara M, Qiu J-W* (2023). Phylogenetic context of a deep-sea clam (Bivalvia: Vesicomidae) revealed by DNA from 1500-year-old shells. *Zoological Research*, **44**(2): 353-356. DOI: 10.24272/j.issn.2095-8137.2022.404
 109. Sigwart JD, Brandt A, Di Franco D, Escobar E, Gerken S, Gooday AJ, Grimes CJ, Głuchowska K, Hoffman S, Jążdżewska AM, Kamyab E, Kelch A, Knauber H, Kohlenbach K, Miguez-Salas O, Moreau C, Ogawa A,

- Poliseno A, Santín Muriel A, Tandberg AHS, Theising F, Walter T, Wöfl A-C, **Chen C*** (2023). Heterogeneity on the abyssal plains: A case study in the Bering Sea. *Frontiers in Marine Science*, **9**: 1037482. DOI: 10.3389/fmars.2022.1037482
108. Sigwart JD, Ogawa A, **Chen C*** (2023). “Dreamer holothurians” in the north. *Marine Biodiversity*, **53**: 8. DOI: 10.1007/s12526-022-01314-z
107. Brunner O*, **Chen C**, Giguère T, Kawagucci S, Watanabe HK, Tunnicliffe V, Mitarai S (2022). Species assemblage networks identify regional connectivity pathways among hydrothermal vents in the Northwest Pacific. *Ecology and Evolution*, **12**(12): e9612. DOI: 10.1002/ece3.9612 [Preprint available on *bioRxiv*, DOI: 10.1101/2022.07.20.500901]
106. Zhong Z, Lan Y, **Chen C**, Zhou Y, Linse K, Li R, Sun J* (2022). New mitogenomes in deep-water endemic Cocculinida and Neomphalida shed light on lineage-specific gene orders in major gastropod clades. *Frontiers in Ecology and Evolution*, **10**: 973485. DOI: 10.3389/fevo.2022.973485
105. **Chen C***, Hilário A, Rodrigues CF, Ramirez-Llodra E (2022). Integrative taxonomy of a new cocculinid limpet dominating the Aurora vent field in the central Arctic ocean. *Royal Society Open Science*, **9**(10): 220885. DOI: 10.1098/rsos.220885
104. Isobe N*, Kaku Y, Okada S, Kawada S, Tanaka K, Fujiwara Y, Nakajima R, Bissessur D, **Chen C** (2022). Identification of chitin allomorphs in poorly crystalline samples based on the complexation with ethylenediamine. *Biomacromolecules*, **23**(10): 4220-4229. DOI: 10.1021/acs.biomac.2c00714 [Preprint available on *ChemRxiv*, DOI: 10.26434/chemrxiv-2022-5mj8x-v2]
103. Okada S*, **Chen C** (2022). A novel cryogenic adhesive retaining fluidity at dry-ice temperature for low-temperature scanning electron microscopy. *Microscopy and Microanalysis*, **28**(6): 2009-2019. DOI: 10.1017/S1431927622012296
102. **Chen C***, Watanabe HK, Gena K, Johnson SB (2022). Anatomical shifts linked with unusual diets in deep-sea snails. *Ecology*, **104**(1): e3847. DOI: 10.1002/ecy.3847
101. Okada S*, **Chen C**, Watanabe HK, Isobe N, Takai K (2022). Unusual bromine enrichment in the gastric mill and setae of the hadal amphipod *Hirondellea gigas*. *PLOS ONE*, **17**(8): e0272032. DOI: 10.1371/journal.pone.0272032
100. Mizuno K*, Nomaki H, **Chen C**, Seike K (2022). Deep-sea infauna with calcified exoskeletons imaged *in situ* using a new 3D acoustic coring system (A-core-2000). *Scientific Reports*, **12**: 12101. DOI: 10.1038/s41598-022-16356-3
99. Methou P*, **Chen C**, Watanabe HK, Cambon M-A, Pradillon F* (2022). Reproduction in deep-sea vent shrimps is influenced by diet, with rhythms apparently unlinked to surface production. *Ecology and Evolution*, **12**: e9076. DOI: 10.1002/ece3.9076 [Preprint available on *bioRxiv*, DOI: 10.1101/2021.09.10.456763]
98. **Chen C***, Watanabe HK (2022). A new provannid snail discovered from Northwest Eifuku Volcano, Mariana Arc. *ZooKeys*, **1112**(5): 123-137. DOI: 10.3897/zookeys.1112.85950
97. Lan Y, Sun J, **Chen C**, Wang H, Xiao Y, Perez M, Yang Y, Kwan YH, Sun Y, Zhou Y, Han X, Miyazaki J, Watsuji T-o, Bissessur D, Qiu J-W, Takai K, Qian P-Y* (2022). Endosymbiont population genomics sheds light on transmission mode, partner specificity, and stability of the scaly-foot snail holobiont. *The ISME Journal*, **16**: 2132-2143. DOI: 10.1038/s41396-022-01261-4
96. Isobe N, **Chen C**, Daicho K, Saito T, Bissessur D, Takai K, Okada S* (2022). Uniaxial orientation of β -chitin nanofibres used as an organic framework in the scales of a hot vent snail. *Journal of the Royal Society Interface*, **19**(191): 20220120. DOI: 10.1098/rsif.2022.0120
95. Jimi N*, **Chen C**, Fujiwara Y (2022). Two new species of *Branchinotogluma* (Polynoidae: Annelida) from chemosynthesis-based ecosystems in Japan. *Zootaxa*, **5138**(1): 17-30. DOI: 10.11646/zootaxa.5138.1.2
94. Zhou Y# / **Chen C#**, Zhang D, Wang Y, Watanabe HK, Sun J, Bissessur D, Zhang R, Han Y, Sun D, Xu P, Lu B, Zhai H, Han X, Tao C, Qiu Z, Sun Y, Liu Z, Qiu J-W, Wang C* (2022). Delineating biogeographic regions in Indian Ocean deep-sea vents and implications for conservation. *Diversity and Distributions*, **28**(12): 2858-2870. DOI: 10.1111/ddi.13535
93. Ogawa A*, Jimi N, Hiruta SF, **Chen C**, Kobayashi I, Pratama GA, Tanaka H, Okanishi M, Komatsu H, Ikehara M (2022). Taxonomy and distribution of deep benthos collected in and around the Southern Ocean during the 30th Anniversary Expeditions of R/V *Hakuho Maru*: Annelida, Mollusca, Ostracoda, Decapoda, and Echinodermata. *Polar Science*, **32**: 100846. DOI: 10.1016/j.polar.2022.100846
92. Methou P*, Hikosaka M, **Chen C**, Watanabe HK, Miyamoto N, Makita H, Jenkins RG (2022). Symbiont community composition in *Rimicaris kairei* shrimps from Indian Ocean vents with notes on mineralogy. *Applied and Environmental Microbiology*, **88**(8): e00185-22. DOI: 10.1128/aem.00185-22
91. Kato N# / **Chen C#***, Watanabe HK, Yamamoto M, Shimomura M (2022). The first deep-sea bopyrid isopod from hydrothermal vents: *Pleurocryptella shinkai* sp. nov. (Isopoda: Bopyridae) parasitizing *Shinkaia crosnieri*. *Zoological Science*, **39**(3): 293. DOI: 10.2108/zs210117

90. Amon DJ*, Gollner S, Morato T, Smith CR, **Chen C**, Christiansen S, Currie B, Drazen JC, Fukushima T, Gianni M, Gjerde K, Gooday AJ, Grillo GG, Haeckel M, Joyini T, Ju S-J, Levin L, Metaxas A, Mianowicz K, Molodstova T, Narberhaus I, Orcutt B, Swadling A, Tuhumwire J, Palacio PU, Walker M, Weaver P, Xu X-W, Mulalap CY, Edwards PET, Pickens C (2022). Assessment of scientific gaps related to the effective environmental management of deep-seabed mining. *Marine Policy*, **138**: 105006. DOI: 10.1016/j.marpol.2022.105006
89. Yang Y, Sun J, **Chen C**, Zhou Y, Van Dover CL, Wang C, Qiu J-W, Qian P-Y* (2022). Metagenomic and metatranscriptomic analyses reveal minor-yet-crucial roles of gut microbiome in deep-sea hydrothermal vent snail. *Animal Microbiome*, **4**: 3. DOI: 10.1186/s42523-021-00150-z [Preprint available on *bioRxiv*, DOI: 10.1101/2020.09.13.295170]
88. **Chen C***, Zhou Y*, Watanabe HK, Zhang R, Wang C (2021). Neolepetopsid true limpets (Gastropoda: Patellogastropoda) from Indian Ocean hot vents shed light on relationships among genera. *Zoological Journal of the Linnean Society*, **194**(1): 276-296. zlab081. DOI: 10.1093/zoolinnean/zlab081
87. Thomas EA*, Böhm M, Pollock C, **Chen C**, Seddon M, Sigwart JD (2021). Assessing the extinction risk of insular, under-studied marine species. *Conservation Biology*, **36**(2): e13854. DOI: 10.1111/cobi.13854
86. **Chen C*** / Lin T-H*, Watanabe HK, Akamatsu T, Kawagucci S (2021). Baseline soundscapes of deep-sea habitats reveal heterogeneity among ecosystems and sensitivity to anthropogenic impacts. *Limnology and Oceanography*, **66**: 3714-3727. DOI: 10.1002/lno.11911
85. Xu T, Wang Y, Sun J, **Chen C**, Watanabe HK, Chen J, Qian P-Y*, Qiu J-W* (2021). Hidden historical habitat-linked population divergence and contemporary gene flow in a deep-sea patellogastropod limpet. *Molecular Biology and Evolution*, **38**(12): 5640-5654. DOI: 10.1093/molbev/msab278
84. **Chen C***, Nomaki H (2021). Noteworthy observations and records of rare bathyal gastropods from unusual habitats in Sagami Bay, Japan. *Marine Biodiversity*, **51**: 66. DOI: 10.1007/s12526-021-01212-w
83. Yeung YH# / Xie JY#, Zhao Y, Yu HY, **Chen C**, Lu WW, Qiu J-W* (2021). Rapid external erosion of coral substrate in subtropical Hong Kong waters. *Marine Pollution Bulletin*, **169**: 112495. DOI: 10.1016/j.marpolbul.2021.112495
82. **Chen C***, Han Y, Copley JT, Zhou Y* (2021). A new peltospirid snail (Gastropoda: Neomphalida) adds to the unique biodiversity of Longqi vent field, Southwest Indian Ridge. *Journal of Natural History*, **55** (13-14): 851-866. DOI: 10.1080/00222933.2021.1923851
81. Sigwart JD*, Lindberg DR, **Chen C**, Sun J (2021). Molluscan phylogenomics requires strategically selected genomes. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **376**(1825): 20200161. DOI: 10.1098/rstb.2020.0161
80. Sun J, Li R, **Chen C**, Sigwart JD, Kocot K* (2021). Benchmarking Oxford Nanopore read assemblers for high-quality molluscan genomes. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **376**(1825): 20200160. DOI: 10.1098/rstb.2020.0160 [Preprint available on *bioRxiv*, DOI: 10.1101/2020.12.31.424979]
79. Houart R*, Moe CO, **Chen C*** (2021). Living species of the genera *Chicomurex* Arakawa, 1964 and *Naquetia* Jousseaume, 1880 (Gastropoda: Muricidae) in the Indo-West Pacific. *Novapex*, **22** (Special Issue 14): 1-52.
78. Watanabe HK*, **Chen C**, Nishi E, Ohara Y (2021). Cryptic diversity of the tube-dwelling polychaete *Phyllochaetopterus* in the Shinkai Seep Field, Mariana Trench. *Plankton and Benthos Research*, **16**(1): 73-77. DOI: 10.3800/pbr.16.73
77. Lan Y, Sun J, **Chen C**, Sun Y, Zhou Y, Yang Y, Zhang W, Li R, Zhou K, Wong WC, Kwan YH, Cheng A, Bougouffa S, Van Dover CL, Qiu J-W, Qian P-Y* (2021). Hologenome analysis reveals dual symbiosis in the deep-sea hydrothermal vent snail *Gigantopelta aegis*. *Nature Communications*, **12**: 1165. DOI: 10.1038/s41467-021-21450-7 [Preprint available on *bioRxiv*, DOI: 10.1101/2020.09.23.308304]
76. Watanabe HK*, **Chen C**, Chan BKK* (2021). A new deep-sea hot vent stalked barnacle from the Mariana Trough with notes on the feeding ecology of *Vulcanolepas*. *Marine Biodiversity*, **51**(1): 9. DOI: 10.1007/s12526-020-01144-x
75. **Chen C***, Xu T, Fraussen K, Qiu J-W (2020). Integrative taxonomy of enigmatic deep-sea true whelks in the sister-genera *Enigmaticolus* and *Thermosipho* (Gastropoda: Buccinidae). *Zoological Journal of the Linnean Society*, **193**(1): 230-240. DOI: 10.1093/zoolinnean/zlaa134
74. Xiao Y# / Xu T#, Sun J, Wong WC, Kwan YH, **Chen C**, Qiu J-W*, Qian P-Y* (2020). Population genetic structure and gene expression plasticity of the deep-sea vent and seep squat lobster *Shinkaia crosnieri*. *Frontiers in Marine Science*, **7**: 587686. DOI: 10.3389/fmars.2020.587686
73. Nomaki H*, **Chen C**, Oda K, Tsuchiya M, Tame A, Uematsu K, Isobe N (2020). Abundant chitinous structures in *Chilostomella* (Foraminifera, Rhizaria) and their potential functions. *Journal of Eukaryotic Microbiology*, **68**: e12828. DOI: 10.1111/jeu.12828
72. **Chen C***, Watanabe HK (2020). Substrate-dependent shell morphology in a deep-sea vetigastropod limpet.

Marine Biodiversity, **50**(6): 104. DOI: 10.1007/s12526-020-01135-y

71. Linse K, Sigwart JD*, **Chen C**, Krylova EM (2020). Ecophysiology and ecological limits of symbiotrophic vesicomylid bivalves (Pliocardiinae) in the Southern Ocean. *Polar Biology*, **43**(10): 1423-1437. DOI: 10.1007/s00300-020-02717-z
70. Ip JC-H, Xu T, Sun J, Li R, **Chen C**, Lan Y, Han Z, Zhang H, Wei J, Wang H, Tao J, Cai Z, Qian P-Y, Qiu J-W* (2020). Host-endosymbiont genome integration in a deep-sea chemosymbiotic clam. *Molecular Biology and Evolution*, **38**(2): 502-518. DOI: 10.1093/molbev/msaa241
69. Sato K*, Watanabe HK, Jenkins RG, **Chen C** (2020). Phylogenetic constraint and phenotypic plasticity in the shell microstructure of vent and seep pectinodontid limpets. *Marine Biology*, **167**: 79. DOI: 10.1007/s00227-020-03692-z
68. **Chen C***, Linse K (2020). From wood to vent: first cocculinid limpet associated with hydrothermal activity discovered in the Weddell Sea. *Antarctic Science*, **32**(5): 354-366. DOI: 10.1017/S095410202000022X
67. Wang Z, Xu T, Zhang Y, Zhou Y, Liu Z, **Chen C**, Watanabe HK, Qiu J-W* (2020). Molecular phylogenetics and morphological analyses of the 'monospecific' *Hesiohyra* (Annelida: Hesionidae) reveal two new species. *Deep-Sea Research Part I: Oceanographic Research Papers*, **166**: 103401. DOI: 10.1016/j.dsr.2020.103401
66. Watanabe HK*, **Chen C**, Kojima S, Kato S, Yamamoto H (2020). Population connectivity of the crab *Gandalfus yunohana* (Takeda, Hashimoto & Ohta, 2000) (Decapoda, Brachyura: Bythograeidae) from deep-sea hydrothermal vents in the northwestern Pacific. *Journal of Crustacean Biology*, **40**(5): 556-562. DOI: 10.1093/jcobiol/ruaa045
65. Sun J# / **Chen C*** / Miyamoto N#, Li R, Sigwart JD, Xu T, Sun Y, Wong WC, Ip JCH, Zhang W, Lan Y, Bissessur D, Watsuji T-o, Watanabe HK, Takaki Y, Ikeo K, Fujii N, Yoshitake K, Qiu J-W, Takai K*, Qian P-Y* (2020). The Scaly-foot Snail genome and implications for the origins of biomineralised armour. *Nature Communications*, **11**: 1657. DOI: 10.1038/s41467-020-15522-3
64. Okanishi M*, Kato M, Watanabe HK, **Chen C**, Fujita T (2020). Large populations of two new species of *Ophiambix* (Echinodermata, Ophiuroidea) discovered on Japanese hot vents and cold seeps. *Raffles Bulletin of Zoology*, **68**: 196-213. DOI: 10.26107/RBZ-2020-0017
63. Sun J# / Zhou Y*, **Chen C**, Kwan YH, Sun Y, Wang X, Yang L, Zhang R, Wei T, Yang Y, Qu L, Sun C*, Qian P-Y* (2020). Nearest vent, dearest friend: Biodiversity of Tiancheng vent field reveals cross-ridge similarities in the Indian Ocean. *Royal Society Open Science*, **7**: 200110. DOI: 10.1098/rsos.200110
62. Zhu F-C, Sun J, Yan G-Y, Huang J-M, **Chen C**, He L-S* (2020). Insights into the strategy of micro-environmental adaptation: Transcriptomic analysis of two alvinocaridid shrimps at a hydrothermal vent. *PLOS ONE*, **15**(1): e0227587. DOI: 10.1371/journal.pone.0227587
61. Yahagi T*, **Chen C**, Kawagucci S* (2019). What we know, what we can know, and what we will never know about the larval dispersal process at deep-sea chemosynthetic ecosystems. *Oceanography in Japan*, **28**: 97-125. DOI: 10.5928/kaiyou.28.4-5-6_97 [In Japanese with English abstract]
60. Linse K*, Copley JT, Connelly DP, Larter RD, Pearce DA, Polunin NVC, **Chen C**, Clarke A, Glover A, Graham AGC, Huvenne VAI, Marsh L, Reid WDK, Roterman CN, Sweeting CJ, Zwirgmaier K, Tyler PA (2019). Fauna of the Kemp Caldera and its upper bathyal hydrothermal vents (South Sandwich Arc, Antarctica). *Royal Society Open Science*, **6**(11): 191501. DOI: 10.1098/rsos.191501
59. Zhou Y, **Chen C**, Watanabe HK, Zhang R, Wang C* (2019). *Amphisamytha* (Annelida: Ampharetidae) from Indian Ocean hydrothermal vents: biogeographic implications. *Deep-Sea Research Part I: Oceanographic Research Papers*, **154**: 103148. DOI: 10.1016/j.dsr.2019.103148
58. Lin T-H#* / **Chen C***, Watanabe HK, Kawagucci S, Yamamoto H, Akamatsu T (2019). Using soundscape to assess deep-sea benthic ecosystems. *Trends in Ecology & Evolution*, **34**(12): 1066-1069. DOI: 10.1016/j.tree.2019.09.006
57. Lan Y, Sun J, Zhang W, Xu T, Zhang Y, **Chen C**, Feng D, Wang H, Tao J, Qiu J-W, Qian P-Y* (2019). Host-symbiont interactions in deep-sea chemosymbiotic vesicomylid clams: insights from transcriptome sequencing. *Frontiers in Marine Science*, **6**: 680. DOI: 10.3389/fmars.2019.00680
56. **Chen C***, Watanabe HK, Nagai Y, Toyofuku T, Xu T, Sun J, Qiu J-W, Sasaki T (2019). Complex factors shape phenotypic variation in deep-sea limpets. *Biology Letters*, **15**(10): 20190504. DOI: 10.1098/rsbl.2019.0504
55. Linse K# / Nye V#, Copley JT, **Chen C*** (2019). On the systematics and ecology of two new species of *Provanna* (Abyssochrysoidea: Provannidae) from deep-sea hydrothermal vents in the Caribbean Sea and Southern Ocean. *Journal of Molluscan Studies*, **85**(4): 425-438. DOI: 10.1093/mollus/eyz024
54. Okada S*, **Chen C**, Watsuji T-o, Nishizawa M, Suzuki Y, Sano Y, Bissessur D, Deguchi S, Takai K (2019). The making of natural iron sulfide nanoparticles in a hot vent snail. *Proceedings of the National Academy of Sciences, U.S.A.*, **116**(41): 20376-20381. DOI: 10.1073/pnas.1908533116
53. Sun J, Liu Y, Xu T, Zhang Y, **Chen C**, Qiu J-W, Qian P-Y* (2019). The mitochondrial genome of the

- deep-sea limpet *Bathyacmaea nipponica* (Patellogastropoda: Pectinodontidae). *Mitochondrial DNA Part B: Resources*, **4**(2): 3175-3176. DOI: 10.1080/23802359.2019.1668732
52. Chen C*, Linse K (2019). A new trochoidean gastropod (Vetigastropoda: Skeneidae) discovered from deep-sea hydrothermal vents in the Southern Ocean. *Marine Biodiversity*, **49**(6): 2775-2785. DOI: 10.1007/s12526-019-01005-2
 51. Zhou K, Zhang R, Sun J, Zhang W, Tian R, Chen C, Kawagucci S, Xu Y* (2019). Potential interactions between clade SUP05 sulfur-oxidizing bacteria and phages in hydrothermal vent sponges. *Applied and Environmental Microbiology*, **85**(22): e00992-19. DOI: 10.1128/AEM.00992-19
 50. Sigwart JD, Chen C*, Thomas EA, Allcock AL, Böhm M, Seddon M. (2019). Red Listing can protect deep-sea biodiversity. *Nature Ecology & Evolution*, **3**: 1134. DOI: 10.1038/s41559-019-0930-2
 49. Chen C*, Watanabe HK, Sasaki T (2019). Four new deep-sea provannid snails (Gastropoda: Abysochrysoidea) discovered from hydrocarbon seep and hydrothermal vents in Japan. *Royal Society Open Science*, **6**(7): 190393. DOI: 10.1098/rsos.190393
 48. Chapman ASA*, Beaulieu SE, Colaço A, Gebruk AV, Hilario A, Kihara TC, Ramirez-Llodra E, Sarrazin J, Tunnicliffe V, Amon DJ, Baker M, Boschen-Rose RE, Chen C, Cooper IJ, Copley JT, Corbari L, Cordes EE, Cuvelier D, Duperron S, Du Preez C, Gollner S, Horton T, Hourdez S, Krylova EM, Linse K, LokaBharathi PA, Marsh L, Matabos M, Mills SW, Mullineaux LS, Rapp HT, Reid WDK, Rybakova (Goroslavskaya) E, Thomas TRA, Southgate SJ, Stöhr S, Turner PJ, Watanabe HK, Yasuhara M, Bates AE (2019). sFDvent: a global functional trait database for deep-sea hydrothermal vent fauna. *Global Ecology and Biogeography*, **28**: 1538-1551. DOI: 10.1111/geb.12975
 47. Jimi N*, Chen C, Kajihara H (2019). New records of the hydrothermal-vent-endemic polychaete *Archinome jasoni* (Annelida: Amphinomidae) from the northwestern Pacific. *Check List*, **15**(3): 523-526. DOI: 10.15560/15.3.523
 46. Linse K*, Roterman CN, Chen C (2019). A new vent limpet in the genus *Lepetodrilus* (Gastropoda: Lepetodrilidae) from Southern Ocean hydrothermal vent fields showing high phenotypic plasticity. *Frontiers in Marine Science*, **6**: 381. DOI: 10.3389/fmars.2019.00381
 45. Nakajima R** / Chen C#, Iwase R, Yamamoto H, Fujikura K (2019). Clams after storms: the impact of multiple disturbances on seep vesicomylid clams revealed by long-term monitoring. *Marine Biology*, **166**: 35. DOI: 10.1007/s00227-019-3484-6
 44. Sigwart JD*, Chen C (2018). A new deep water chiton (Mollusca: Polyplacophora) from hydrothermal vent ecosystems in the Okinawa Trough, Japan. *Zootaxa*, **4531**(3): 430-436. DOI: 10.11646/zootaxa.4531.3.7
 43. Nagai Y*, Uematsu K, Chen C, Wani R, Tyszka J, Toyofuku T (2018). Weaving of biomineralization framework in rotaliid foraminifera: Implications for paleoceanographic proxies. *Biogeosciences*, **15**: 6773-6789. DOI: 10.5194/10.5194/bg-15-6773-2018
 42. Zhang W, Watanabe HK, Ding W, Lan Y, Tian R-M, Sun J, Chen C, Cai L, Li Y, Oguri K, Toyofuku T, Kitazato H, Drazen JC, Bartlett D, Qian P-Y* (2018). Gut microbial divergence between two populations of the hadal amphipod *Hirondellea gigas*. *Applied and Environmental Microbiology*, **85**(1): e02032-18. DOI: 10.1128/AEM.02032-18
 41. Sigwart JD*, Chen C (2018). Comparative oxygen consumption of gastropod holobionts from deep-sea hydrothermal vents in the Indian Ocean. *The Biological Bulletin*, **235**(2): 102-112. DOI: 10.1086/699326
 40. Feng D*, Qiu J-W, Hu Y, Peckmann J, Guan H, Tong H, Chen C, Chen J, Gong S, Li N, Chen D (2018). Cold seep systems in the South China Sea: An overview. *Journal of Asian Earth Sciences*, **168**: 3-16. DOI: 10.1016/j.jseas.2018.09.021
 39. Chen C*, Linse K, Uematsu K, Sigwart JD (2018). Cryptic niche switching in a chemosymbiotic gastropod. *Proceedings of the Royal Society B: Biological Sciences*, **285**(1882): 20181099. DOI: 10.1098/rspb.2018.1099
 38. Ogura T, Watanabe HK*, Chen C, Sasaki T, Kojima S, Ishibashi J-i, Fujikura K (2018). Population history of deep-sea vent and seep *Provanna* snails (Mollusca: Abysochrysoidea) in the northwestern Pacific. *PeerJ*, **6**: e5673. DOI: 10.7717/peerj.5673
 37. Glover AG*, Wiklund H, Chen C, Dahlgren TG (2018). Managing a sustainable deep-sea 'blue economy' requires knowledge of what actually lives there. *eLife*, **7**: e41319. DOI: 10.7554/eLife.41319
 36. Sasaki T*, Maekawa Y, Takeda Y, Atsushiba M, Chen C, Noshita K, Uesugi K, Hoshino M (2018). 3D visualization of calcified and non-calcified molluscan tissues using computed tomography. In: Endo K, Kogure T, Nagasawa H (eds.) *Biomineralization: From Molecular and Nano-structural Analyses to Environmental Science*, pp. 83-93. Springer, Singapore. DOI: 10.1007/978-981-13-1002-7_9
 35. Xu T, Sun J, Watanabe HK, Chen C, Nakamura M, Ji R, Feng D, Lv J, Wang S, Bao Z, Qian P-Y, Qiu J-W* (2018). Population genetic structure of the deep-sea mussel *Bathymodiolus platifrons* (Bivalvia: Mytilidae) in the Northwest Pacific. *Evolutionary Applications*, **11**: 1915-1930. DOI: 10.1111/eva.12696

34. **Chen C***, Okutani T, Watanabe HK, Kojima S (2018). The first cuspidariid bivalve associated with hydrothermal vents discovered from the Southern Mariana Trough. *Venus (Journal of the Malacological Society of Japan)*, **76**: 39-44. DOI: 10.18941/venus.76.1-4_39
33. **Chen C***, Okutani T, Liang Q, Qiu J-W (2018). A noteworthy new species of the family Vesicomysidae from the South China Sea (Bivalvia: Glossoidea). *Venus (Journal of the Malacological Society of Japan)*, **76**: 29-37. DOI: 10.18941/venus.76.1-4_29
32. Komai T*, **Chen C**, Watanabe HK (2018). Two new species of the crangonid genus *Metacrangon* Zarenkov, 1965 (Crustacea: Decapoda: Caridea) from the Okinawa Trough, Japan. *Zootaxa*, **4410**(1): 97-112. DOI: 10.11646/zootaxa.4410.1.5
31. Lan Y, Sun J, Xu T, **Chen C**, Tian R, Qiu J-W, Qian P-Y* (2018). *De novo* transcriptome assembly and positive selection analysis of an individual deep-sea fish. *BMC Genomics*, **19**: 394. DOI: 10.1186/s12864-018-4720-z
30. Zhang Y, **Chen C**, Qiu J-W* (2018). Sexually dimorphic scale worms (Annelida: Polynoidae) from deep-sea hydrothermal vents in the Okinawa Trough: Two new species and two new sex morphs. *Frontiers in Marine Science*, **5**: 112. DOI: 10.3389/fmars.2018.00112
29. Watanabe HK*, **Chen C**, Marie DP, Takai K, Fujikura K, Chan BKK* (2018). Phylogeography of hydrothermal vent stalked barnacles: a new species fills a gap in the Indian Ocean 'dispersal corridor' hypothesis. *Royal Society Open Science*, **5**(4): 172408. DOI: 10.1098/rsos.172408
28. **Chen C***, Marsh L, Copley JT (2018). Is it sex in chains? Potential mating stacks in deep-sea hydrothermal vent snails. *Plankton and Benthos Research*, **13**(1): 25-27. DOI: 10.3800/pbr.13.25
27. Zhang Y, Sun J, Rouse GW, Wiklund H, Pleijel F, Watanabe HK, **Chen C**, Qian P-Y, Qiu J-W* (2018). Phylogeny, evolution and mitochondrial gene order rearrangement in scale worms (Aphroditiformia, Annelida): Insights from low-coverage genome sequencing. *Molecular Phylogenetics and Evolution*, **125**: 220-231. DOI: 10.1016/j.ympev.2018.04.002
26. Houart R*, Moe C, **Chen C** (2017). Description of three new muricids (Gastropoda: Muricidae: Muricinae) from the Philippines and Fiji. *The Nautilus*, **131**(4): 207-216. BioStor: biostor.org/reference/253456
25. **Chen C***, Watanabe HK, Araya JF (2017). First columbellid species (Gastropoda: Buccinoidea) from deep-sea hydrothermal vents discovered in Okinawa Trough, Japan. *Zootaxa*, **4363**(4): 592-596. DOI: 10.11646/zootaxa.4363.4.13
24. Miyazaki J, Kawagucci S, Makabe A, Takahashi A, Kitada K, Torimoto J, Matsui Y, Tasumi E, Shibuya T, Nakamura K, Horai S, Sato S, Ishibashi J, Kanzaki H, Nakagawa S, Hirai M, Takaki Y, Okino K, Watanabe HK, Kumagai H, **Chen C*** (2017). Deepest and hottest hydrothermal activity in the Okinawa Trough: Yokosuka site at Yaeyama knoll. *Royal Society Open Science*, **4**: 171570. DOI: 10.1098/rsos.171570
23. **Chen C***, Chan T-Y, Chan BKK (2017). Molluscan diversity in shallow water hydrothermal vents off Kueishan Island, Taiwan. *Marine Biodiversity*, **48**: 709-714. DOI: 10.1007/s12526-017-0804-2
22. Heywood JL*, **Chen C**, Pearce DA, Linse K (2017). Bacterial communities associated with the Southern Ocean vent gastropod, *Gigantopelta chessoia*: indication of intergenerational, horizontal symbiont transfer. *Polar Biology*, **40**(11): 2335-2342. DOI: 10.1007/s00300-017-2148-6
21. **Chen C***, Zhou Y, Wang C, Copley JT (2017). Two new hot-vent peltospirid snails (Gastropoda: Neomphalina) from Longqi hydrothermal field, Southwest Indian Ridge. *Frontiers in Marine Science*, **4**: 392. DOI: 10.3389/fmars.2017.00392
20. Miyazaki J, Makabe A, Matsui Y, Ebina N, Tsutsumi S, Ishibashi J, **Chen C**, Kaneko S, Takai K, Kawagucci S* (2017). WHATS-3: An improved flow-through gas-tight fluid sampler for deep-sea geofluid research. *Frontiers in Earth Science*, **5**: 45. DOI: 10.3389/feart.2017.00045
19. **Chen C***, Uematsu K, Linse K, Sigwart JD (2017). By more ways than one: Rapid convergence in adaptations to hydrothermal vents shown by 3D anatomical reconstruction of *Gigantopelta* (Mollusca: Neomphalina). *BMC Evolutionary Biology*, **17**: 62. DOI: 10.1186/s12862-017-0917-z
18. Watsuji T*, Tsubaki R, **Chen C**, Nagai Y, Nakagawa S, Yamamoto M, Nishiura D, Toyofuku T, Takai K (2017). Cultivation mutualism between a deep-sea vent galatheid crab and chemosynthetic epibionts. *Deep-Sea Research Part I: Oceanographic Research Papers*, **127**: 13-20. DOI: 10.1016/j.dsr.2017.04.012
17. Sigwart JD*, **Chen C** (2017). Life history, patchy distribution, and patchy taxonomy in a shallow-water invertebrate (Mollusca: Polyplacophora: Lepidopleurida). *Marine Biodiversity*, **48**: 1867-1877. DOI: 10.1007/s12526-017-0688-1
16. **Chen C***, Watanabe HK, Miyazaki J, Kawagucci S (2017). Unanticipated discovery of two rare gastropod molluscs from recently located hydrothermally influenced areas in the Okinawa Trough. *PeerJ*, **5**: e4121. DOI: 10.7717/peerj.4121
15. Zhang Y [Yanjie], Sun J, **Chen C**, Watanabe HK, Feng D, Zhang Y [Yu], Chiu JMY, Qian P-Y*, Qiu J-W* (2017). Adaptation and evolution of polynoid scale-worms (Annelida: Polynoidae): insights from

- transcriptome comparison among two deep-sea and a shallow-water species. *Scientific Reports*, 7: 46205. DOI: 10.1038/srep46205
14. Sigwart JD*, Chen C, Marsh L (2017). Is mining the seabed bad for mollusks? *The Nautilus*, 131(1): 43-50. BioStor: biostor.org/reference/253467
 13. Chen C*, Watanabe HK, Ohara Y (2016). A very deep *Provanna* (Gastropoda: Abyssochrysoidea) discovered from the Shinkai Seep Field, Southern Mariana Forearc. *Journal of the Marine Biological Association of the United Kingdom*, DOI: 10.1017/S0025315416001648
 12. Xu T, Sun J, Chen C, Qian P-Y, Qiu J-W* (2016). The mitochondrial genome of the deep-sea snail *Provanna* sp. (Gastropoda: Provannidae). *Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis*, 27(6): 4026-4027. DOI: 10.3109/19401736.2014.1003827
 11. Chen C*, Ogura T, Hirayama H, Watanabe HK, Miyazaki J, Okutani T (2016). First seep-dwelling *Desbruyeresia* (Gastropoda: Abyssochrysoidea) species discovered from a serpentinite-hosted seep in the southeastern Mariana Forearc. *Molluscan Research*, 36(4): 277-284. DOI: 10.1080/13235818.2016.1172547
 10. Okumura T*, Ohara Y, Stern RJ, Yamanaka T, Onishi Y, Watanabe H, Chen C, Bloomer SH, Pujana I, Sakai S, Ishii T, Takai K (2016). Brucite chimney formation and carbonate alteration at the Shinkai Seep Field, a serpentinite-hosted vent system in the Southern Mariana Forearc. *Geochemistry, Geophysics, Geosystems*, 17(9): 3775-3796. DOI: 10.1002/2016GC006449
 9. Chen C*, Linse K, Roterman CN, Copley JT, Rogers AD (2015). A new genus of large hydrothermal vent-endemic gastropod (Neomphalina: Peltospiridae). *Zoological Journal of the Linnean Society*, 175(2): 319-335. DOI: 10.1111/zoj.12279
 8. Chen C*, Copley JT, Linse K, Rogers AD (2015). Low connectivity between 'scaly-foot gastropod' (Mollusca: Peltospiridae) populations at hydrothermal vents on the Southwest Indian Ridge and the Central Indian Ridge. *Organisms Diversity and Evolution*, 15(4): 663-670. DOI: 10.1007/s13127-015-0224-8
 7. Houart R*, Moe CO, Chen C (2015). Description of two new species of *Chicomurex* from the Philippine Islands (Gastropoda: Muricidae) with update of the Philippines species and rehabilitation of *Chicomurex gloriosus* (Shikama, 1977). *Venus (Journal of the Malacological Society of Japan)*, 73(1-2): 1-14. DOI: 10.18941/venus.73.1-2_1
 6. Chen C*, Copley JT, Linse K, Rogers AD, Sigwart J (2015). The heart of a dragon: 3D anatomical reconstruction of the 'scaly-foot gastropod' (Mollusca: Gastropoda: Neomphalina) reveals its extraordinary circulatory system. *Frontiers in Zoology*, 12:13. DOI: 10.1186/s12983-015-0105-1
 5. Nakajima R*, Yamamoto H, Kawagucci S, Takaya Y, Nozaki T, Chen C, Fujikura K, Miwa T, Takai K (2015). Post-drilling changes in seabed landscape and megabenthos in a deep-sea hydrothermal system, the Iheya North field, Okinawa Trough. *PLOS ONE*, 10(4), e0123095. DOI: 10.1371/journal.pone.0123095
 4. Chen C*, Linse K, Copley JT, Rogers AD (2015). The 'scaly-foot gastropod': a new genus and species of hydrothermal vent-endemic gastropod (Neomphalina: Peltospiridae) from the Indian Ocean. *Journal of Molluscan Studies*, 81(3): 322-334. DOI: 10.1093/mollus/eyv013
 3. Nakamura M*, Chen C, Mitarai S (2015). Insights into life-history traits of *Munidopsis* spp. (Anomura: Munidopsidae) from hydrothermal vent fields in the Okinawa Trough, in comparison with the existing data. *Deep-Sea Research Part I: Oceanographic Research Papers*, 100: 48-53. DOI: 10.1016/j.dsr.2015.02.007
 2. Chen C*, Copley JT, Linse K, Rogers AD, Sigwart J (2015). How the mollusc got its scales: convergent evolution of the molluscan scleritome. *Biological Journal of the Linnean Society*, 114: 949-954. DOI: 10.1111/bij.12462
 1. Houart R*, Moe CO, Chen C (2014). *Chicomurex lani* sp. nov. (Gastropoda: Muricidae), a new species and its intricate history. *Bulletin of Malacology, Taiwan*, 37: 1-14.

OTHER PUBLICATIONS (NON PEER-REVIEWED)

= Co-first Authors; * = Corresponding Author(s)

6. Kaiser S*, Sigwart J, Niamir A, Saeedi H, Chen C, Hilário A, Horton T, Howell K, Levin L, Osborn K, Brandt A* (2022). Diving through the darkness: Species information is vital for effective marine conservation. *Senckenberg Policy Brief*, 12/2022. DOI: 10.5281/zenodo.7373440
5. Watanabe HK*, Chen C, Miyazaki J, Okubo T, Takai K, YK19-10 Cruise Participants (2020). The 'GACHINKO Cruise': Educating, empowering, and enthralling the next generation with real cruise experience. *Deep-Sea Life*, 15: 7-8.
4. Chen C*, Parkinson DY, Sigwart JD (2018). Project focus: High-resolution 3D anatomy with a particle

- accelerator. *Deep-Sea Life*, **11**: 8.
3. Watanabe HK*, **Chen C**, Jenkins RG, Nobuhara T (2017). Workshop report: Evolution of chemosynthesis-based ecosystems. *Deep-Sea Life*, **10**: 25.
 2. **Chen C*** (2017). Annual award winner report: Systematics, ecology, and evolution of hydrothermal vent endemic peltospirids (Mollusca: Gastropoda) from the Indian and Southern oceans. *The Malacologist*, **68**: 22-24.
 1. **Chen C*** (2014). Molluscs found in hydrothermal vents of Okinawa Trough: Extreme species living in a poisonous paradise. *The Festivus*, **45**(3): 75-81.

RESEARCH EXPEDITIONS

| | |
|--------------------------|--|
| 2024/07-2024/08 | R/V YOKOSUKA Cruise YK24-12 |
| Koniya, Amami – Sasebo | Seeps and seamount slope w/ DSV SHINKAI 6500 (Dived #1798) |
| 2024/05 | R/V YOKOSUKA Cruise YK24-06C |
| Yokosuka – Yokosuka | Vents, seeps, and abyssal plain w/ DSV SHINKAI 6500 (Dived #1770) |
| 2024/02 | R/V SHINSEI-MARU Cruise KS-24-3 |
| Yokosuka – Yokosuka | Izu-Ogasawara Arc vents w/ ROV KAIKO |
| 2023/10~2023/11 | R/V FALKOR (TOO) Cruise FKt231024 “Project Zombie” |
| Golfito – Panama City | Galápagos Rift vents, w/ ROV SuBastian |
| 2023/09 | R/V YOKOSUKA Cruise YK23-16S |
| Yokosuka – Naha | Vents and seamounts, w/ DSV SHINKAI 6500 (Dived #1727) |
| 2023/07 | R/V YOKOSUKA Cruise YK23-12 |
| Yokosuka – Yokosuka | Vents and seeps, w/ DSV SHINKAI 6500 (Dived #1704) |
| 2023/06~2023/07 | R/V KAIMEI Cruise KM23-08, 09C |
| Yokosuka – Yokosuka | Izu-Ogasawara Arc vents w/ ROV KM-ROV |
| 2023/05~2023/06 | R/V YOKOSUKA Cruise YK23-09C |
| Yokosuka – Yokosuka | Vents, seeps, and abyssal plain w/ DSV SHINKAI 6500 (Dived #1690) |
| 2023/04 | R/V YOKOSUKA Cruise YK23-06 |
| Yokosuka – Naha | Okinawa Trough hot vents w/ DSV SHINKAI 6500 (Dived #1681) |
| 2023/02~2023/03 | R/V KAIMEI Cruise KM23-05 |
| Yokosuka – Yokosuka | Vents and serpentinite seeps w/ ROV KM-ROV and BMS Drilling System |
| 2022/10~2022/11 | R/V YOKOSUKA Cruise YK22-19C |
| Yokosuka – Yokosuka | Vents, seeps, and abyssal plain w/ DSV SHINKAI 6500 (Dived #1657, 1661) |
| 2022/09 | R/V KAIMEI Cruise KM22-11C |
| Tokyo Odaiba – Yokosuka | Izu-Ogasawara Arc vents w/ ROV KM-ROV |
| 2022/07~2022/09 | R/V SONNE Cruise SO293 “AleutBio” |
| Dutch Harbor – Vancouver | Aleutian Trench and Bering Sea w/ Agassiz Trawl, Epibenthic Sledge, etc. |
| 2022/05~2022/06 | R/V YOKOSUKA Cruise YK22-10C |
| Yokosuka – Yokosuka | Vents, seeps, and abyssal plain w/ DSV SHINKAI 6500 (Dived #1634) |
| 2022/03 | R/V YOKOSUKA Cruise YK22-05 ‘GACHINKO’ Cruise Episode #03 |
| Yokosuka – Yokosuka | Hydrothermal vents, Izu-Ogasawara w/ DSV SHINKAI 6500 (Dived #1617) |
| 2022/02 | R/V SHINSEI-MARU Cruise KS-22-2 |
| Yokosuka – Yokosuka | Vent and seep w/ ROV HYPER-DOLPHIN |
| 2021/09~2021/10 | R/V YOKOSUKA Cruise YK21-18C |
| Yokosuka – Yokosuka | Vents, seeps, and abyssal plain w/ DSV SHINKAI 6500 (Dived #1602, #1604) |
| 2021/08 | R/V YOKOSUKA Cruise YK21-15C |
| Yokosuka – Yokosuka | Hydrocarbon seeps w/ DSV SHINKAI 6500 |
| 2021/05 | R/V YOKOSUKA Cruise YK21-08C |
| Yokosuka – Yokosuka | Vents, seeps, and abyssal plain w/ DSV SHINKAI 6500 (Dived #1594, #1596) |
| 2021/03 | R/V YOKOSUKA Cruise YK21-04 ‘GACHINKO’ Cruise Episode #02 |
| Yokosuka – Yokosuka | Hydrothermal vents, Izu-Ogasawara w/ DSV SHINKAI 6500 (Dived #1578) |
| 2021/02 | R/V KAIMEI Cruise KM21-E02 |
| Yokosuka – Yokosuka | Sagami Bay, including hydrocarbon seeps w/ ROV KM-ROV |
| 2021/01 | R/V SHINSEI-MARU Cruise KS-21-2 |
| Yokosuka – Yokosuka | Kaitoku Seamount and Nishinoshima Island w/ ROV Hyper-Dolphin |
| 2019/08 | R/V YOKOSUKA Cruise YK19-10 ‘GACHINKO’ Cruise Episode #01 |
| Tokyo – Chichijima | Hydrothermal vents, Izu-Ogasawara w/ DSV SHINKAI 6500 (Dived #1549) |
| 2019/01 | R/V SHINSEI-MARU Cruise KS-19-1 |

| | |
|---------------------------------------|--|
| Naha – Kagoshima 2018/10 | Hydrothermal vents and CO ₂ sites, Okinawa Trough w/ ROV <i>Hyper-Dolphin</i> R/V YOKOSUKA Cruise YK18-E02C w/ DSV SHINKAI 6500 (Dived #1525) |
| Beppu – Yokosuka 2018/09 | Manganese crust exploration; First ever <i>SHINKAI 6500</i> single-pilot dive M/Y AXIS w/ acrylic hulled HOV TRITON 3300/3 Mk. II (Three dives) |
| Freeport, Bahamas 2018/07~2018/08 | Exploring underwater cliffs off Freeport, Grand Bahamas Island, Bahamas R/V KAIMEI Cruise KM18-07C |
| Yokosuka – Okinawa 2018/02~2018/03 | Hydrothermal vents, Okinawa Trough w/ KAIMEI ROV & VMPS R/V KAIREI Cruise KR18-03C |
| Yokosuka – Kagoshima 2017/10 | Hydrothermal vents, Okinawa Trough w/ ROV KAIKO (Vehicle Mk-IV) R/V MIRAI Cruise MR17-07C |
| Hachinohe–Nakagusuku 2017/08 | Okinawa Trough vents w/ Vertical Multi-layer Plankton Sampler R/V YOKOSUKA Cruise YK17-17 |
| Naha – Ishigaki 2016/11~2016/12 | Hydrothermal vents, Okinawa Trough w/ DSV SHINKAI 6500 R/V KAIREI Cruise KR16-16 |
| Naha – Kagoshima 2016/10~2016/11 | Hydrothermal vents, Okinawa Trough w/ ROV KAIKO (Vehicle Mk-IV) R/V KAIREI Cruise KR16-14 |
| Saipan – Naha 2016/06~2016/07 | Shinkai Seep Field (Mariana Trench) w/ ROV KAIKO (Vehicle Mk-IV) R/V KAIMEI Cruise KM16-04 |
| JAMSTEC – JAMSTEC 2016/04 | Sagami Bay hydrocarbon seep w/ ROV HYPER-DOLPHIN & KAIMEI ROV R/V KAIMEI Cruise KM16-01 |
| JAMSTEC – JAMSTEC 2016/02~2016/03 | Sagami Bay and Suruga Bay w/ KAIMEI ROV R/V YOKOSUKA Cruise YK16-E02 |
| Mauritius – Mauritius 2016/01 | Indian Ocean hot vents w/ DSV SHINKAI 6500 (Dived #1457) R/V YOKOSUKA Cruise YK16-E01 |
| Mauritius – Mauritius 2015/11 | Indian Ocean hot vents w/ AUV URASHIMA R/V KAIREI Cruise KR15-17 |
| Naha – Naha 2015/10~2015/11 | Hydrothermal vents, Okinawa Trough w/ ROV KAIKO (Vehicle Mk-IV) R/V KAIREI Cruise KR15-16 |
| Naha – Naha 2015/07~2015/08 | Hydrothermal vents, Okinawa Trough w/ ROV KAIKO (Vehicle Mk-IV) R/V NATSUSHIMA Cruise NT15-13 |
| Kumamoto–Kagoshima 2014/02 | Hydrothermal vents, Okinawa Trough w/ ROV HYPER-DOLPHIN R/V KAIYO Cruise KY14-02 |
| Naha – Naha 2014/01 | Hydrothermal vents, Okinawa Trough w/ ROV HYPER-DOLPHIN R/V KAIYO Cruise KY14-01 |
| Yokohama – Naha 2012/12~2013/01 | Hydrothermal vents, Okinawa Trough w/ ROV HYPER-DOLPHIN RRS James Cook Cruise JC80 |
| Punta Arenas – Montevideo 2011/11 | Hydrothermal vents, E2 & E9 Segments, East Scotia Ridge w/ ROV Isis RRS James Cook Cruise JC67 |
| Within JC66 2011/11~2011/12 | Hydrothermal vents, South West Indian Ridge w/ ROV Kiel 6000 RRS James Cook Cruise JC66 |
| Cape Town – Port Elizabeth | Seamounts, South West Indian Ridge w/ ROV Kiel 6000 |

Total = 619 days on-board

FUNDING RECEIVED

| | |
|--------------|--|
| 2024 (~2027) | Hong Kong Research Grants Council (HKRGC) General Research Fund <i>Fire and ice: Population connectivity and environmental adaptability of deep-sea macrobenthos co-occurring in island-like vent and seep ecosystems</i> (Project Number 16309324) Co-PI HK\$910,742; With Dr. Ting Xu and Prof. Pei-Yuan Qian (Hong Kong University of Science and Technology). |
| 2022 | SYNTHESYS+ Transnational Access <i>Getting to the heart of symbioses: exploring anatomical adaptations in the circulatory system across chemosymbiotic molluscs</i> (Project Number DE-TAF-8158) PI EUR€3,464.49; Host: Prof. Julia D. Sigwart (Senckenberg Research Institute and Museum Frankfurt, Germany) |

- 2022 (~2025) **Hong Kong Research Grants Council (HKRGC) General Research Fund**
Shell DNA as an archive of phylogenetics, population genetics, and symbiosis in deep-sea clams (Project Number 12102222) Co-PI
 HK\$1,075,474; With Prof. Jian-Wen Qiu (Hong Kong Baptist University) and Dr. Crispin Little (University of Leeds).
- 2021 (~Ongoing) **Wellcome Sanger Institute / Gordon & Betty Moore Foundation**
Aquatic Symbiosis Project
Symbiosis as a driver for molluscan diversity, Named Collaborator
 Sequencing and assembly costs for 100 host and symbiont genomes; Led by Dr. Jillian Petersen (University of Vienna), Dr. Roxanne Beinart (University of Rhode Island), and Dr. Julia Sigwart (Senckenberg Research Institute)
- 2019 (~2022) **Hong Kong Research Grants Council (HKRGC) General Research Fund**
Uncovering the scaly-foot snail genome to reveal how molluscs generate evolutionary novelties (Project Number 16101219) Co-PI
 HK\$1,088,515; With Dr. Jin Sun and Prof. Pei-Yuan Qian (Hong Kong University of Science and Technology).
- 2018/10 (~2020/09) **Mohamed bin Zayed Species Conservation Fund**
A Red List for molluscs from hydrothermal vents in the Indian Ocean (Project Number 182518473) Co-PI
 US\$8,000; With Dr. Julia D. Sigwart (Queen's University Belfast).
- 2018/04 (~2021/03) **JSPS Grant-in-Aid for Scientific Research ("KAKENHI")**
Does planktonic larval dispersal generate diversity in deep-sea benthic invertebrate animals? (Grant Number 18K06401) Co-PI
 ¥4,420,000; PI: Dr. Hiromi Watanabe (JAMSTEC).
- 2018/01 **JSPS Postdoctoral Fellowship for Research in Japan (Standard)**
Quantitative analyses of adaptations to the deep-sea using synchrotron CT and 3D reconstruction (Supervised by Dr. Takenori Sasaki, The University of Tokyo)
 ¥8,688,000; Declined to take up a Tenure-Track Scientist position instead
- 2017/07 (~2018/03) **SPring-8 Synchrotron Priority Research Proposal: Social Interest (2017B1767)**
Quantifying molluscan anatomy through 3D visualization: Elucidating useful criteria for inferring feeding modes of extinct taxa
 Co-proponent (w/ Dr. Takenori Sasaki, The University of Tokyo)
- 2017/06 (~2019/05) **Advanced Light Source Standard Synchrotron Proposal (ALS-09238)**
3D visualization and quantification of molluscan digestive systems: An evaluation of criteria to infer feeding habits from digestive tract morphology
 Co-proponent (w/ Dr. Takenori Sasaki, The University of Tokyo)
- 2017/02 (~2017/10) **SPring-8 Synchrotron Priority Research Proposal: Social Interest (2017A1720)**
Testing correlation between alimentary canal structure and feeding mode: Towards reconstruction of feeding in extinct molluscs
 Co-proponent (w/ Dr. Takenori Sasaki, The University of Tokyo)
- 2016/05 (~2016/10) **Advanced Light Source RAPIDD Synchrotron Proposal (ALS-RA-00172)**
Internal anatomy of the deep-sea chemosymbiotic snail Gigantopelta
 Proponent / Experiment Leader
- 2015/05 (~ 2018/03) **JAMSTEC International Postdoctoral Fellowship Research Funds**
Research funding associated JAMSTEC International Postdoctoral Fellowship
 ¥1,000,000 (FY2015/16); ¥500,000 (FY2016/17-FY2017/18)
- 2014/12 **Research Grant, Conchological Society of Great Britain and Ireland**
Revealing cryptic diversity of hot-vent skeneiform gastropods of Okinawa Trough
 Proponent / Experiment Leader, £992.02
- 2014/03 **Research Grant, Malacological Society of London**
Characterisation of the extraordinary circulatory system of the scaly-foot gastropod
 Proponent / Experiment Leader, £1500.00
- 2013/12 **InterRidge Cruise Travel Bursary**
Funding to join JAMSTEC research cruises KY14-01 and KY14-02, US\$2,000.00
 Counterparts: Dr. Hiromi Watanabe & Dr. Ken Takai (JAMSTEC)

| | |
|---------|---|
| 2013/12 | Supplementary Travel Grant Merton College, University of Oxford, £300.00 |
| 2013/12 | Graduate Research Expenses Grant University of Oxford, £300.00 |
| 2013/06 | Graduate Research Expenses Grant University of Oxford, £285.00 |
| 2013/04 | Unitas Malacologica Travel Grant 2013 <i>Funding to attend the World Congress of Malacology 2013, Portugal, €400.00</i> |
| 2012/11 | Research Teaching Support Grant Department of Zoology, University of Oxford, £1,200.00 |
| 2012/11 | Supplementary Travel Grant Merton College, University of Oxford, £300.00 |
| 2012/04 | Research Teaching Support Grant, Dept. Zoology, Oxford Univ., Department of Zoology, University of Oxford, £2,306.00 |
| 2011/12 | Supplementary Travel Grant Merton College, University of Oxford, £300.00 |
| 2010/06 | Vacation Laboratory Studentship St Anne's College, University of Oxford, £500.00 |
| 2010/06 | JCR Research & Travel Grant St Anne's College, University of Oxford, £250.00 |

LEARNED SOCIETIES

| | |
|----------------|---|
| 2015 ~ Present | Deep-Sea Biology Society |
| 2018~2021 | Society Trustee |
| 2015~ | Member |
| 2012 ~ Present | Malacological Society of London |
| 2015~2023 | Honorary Officer and Council Member |
| 2012~ | Member |
| 2013 ~ Present | Unitas Malacologica |
| | Member |
| 2012 ~ 2016 | Conchological Society of Great Britain and Ireland |
| | Member |
| 2015 ~ 2021 | Malacological Society of Japan |
| | Member |
| 2016 ~ 2018 | Japan Geoscience Union |
| | Member |

EDITORIAL ROLES

| | |
|-------------------|---|
| 2020/08 ~ Present | Marine Biodiversity, Associate Editor Phylum Mollusca |
| 2017/07 ~ Present | Frontiers in Marine Science, Associate Editor Section: <i>Marine Evolutionary Biology, Biogeography and Species Diversity</i> |

AWARDS RECEIVED

| | |
|---------|--|
| 2021/04 | Research & Development Achievement Award, JAMSTEC For significant contributions toward understanding the evolution, ecology, and physiology of deep-sea animals by a combination of morphological and genomic analyses |
| 2019/11 | Advanced Imaging Society Lumiere Japan Virtual Reality Special Award 2019 Awarded to the JAMSTEC 'VR in Deep Sea – Step on Seabed' programme produced by JAMSTEC PR, in which I played a scientific supervisory role |

| | |
|---------|--|
| 2018/04 | WoRMS “10 Astounding Marine Species of the Last Decade (2007~2017)” Awarded to the Scaly-foot Snail <i>Chrysomallon squamiferum</i> Chen <i>et al.</i> , 2015 and the lead-authored paper describing it |
| 2018/04 | Award of Excellence 12th “Beauty” in Science and Technology Panel Exhibition (2018) For the photograph “Scenery in Edmond field, Indian Ocean” Voted by the public; award by Japan Science and Technology Agency |
| 2016/04 | Annual Award (Year 2015/2016), Malacological Society of London For an exceptionally promising initial contribution to the study of molluscs |
| 2015/06 | The Best Oral Presentation Award International Conference on Biodiversity, Ecology and Conservation of Marine Ecosystems 2015 (BECOME 2015), Hong Kong |
| 2013/07 | The Best Poster Award World Congress of Malacology 2013, Unitas Malacologica |

CONFERENCES / SYMPOSIUMS

| | | |
|---------|-----------------------------------|--|
| 2024/03 | Invited Talk | 71st Annual Meeting of the Ecological Society of Japan Yokohama National University, Japan |
| 2023/08 | Plenary Talk | 7th International Symposium on Chemosynthesis-Based Ecosystems (CBE7) Guarujá, São Paulo, Brazil |
| 2022/10 | Plenary Talk | 15th Annual Meeting of the Japanese Society for Cell Synthesis Research Tokyo Institute of Technology, Japan. |
| 2022/04 | Invited Talk | JAMSTEC Achievement Award Winners’ Forum Online conference via Zoom |
| 2021/11 | Plenary Talk | Symbio2021 (5th Symposium of Japan Symbiosis Society) Online conference via Zoom |
| 2021/09 | Poster | 16th Deep-sea Biology Symposium (DSBS) Ifremer, Brest, France; Hybrid conference |
| 2021/06 | Invited Talk | Marine Ecology Forum: Discovery and Protection of Deep-Sea Biodiversity Online workshop by Second Institute of Oceanography, China |
| 2020/09 | Invited Panel | International Seabed Authority (ISA) Workshop on Deep Sea Taxonomy Online workshop |
| 2020/08 | Poster + Session Chair | eDSBS (Deep-Sea Biology Society Online Conference) Online conference via Zoom |
| 2019/11 | Keynote Talk | 4th InterRidge Theoretical Institute Meeting Banyuls-sur-mer, Pyrénées-Orientales, France |
| 2019/09 | Poster | “Pearls of Wisdom” Scientific Meeting, the Royal Society Chicheley Hall, Buckinghamshire, United Kingdom |
| 2019/08 | Invited Talk | 20th World Congress of Malacology Asilomar, Pacific Grove, California, U.S.A. |
| 2018/09 | Plenary Talk + Poster | 15th Deep-sea Biology Symposium (DSBS) Monterey, California, U.S.A. |
| 2018/05 | Poster | The Malacological Society of Japan Annual Meeting 2018 Tokyo University of Marine Science and Technology, Japan |
| 2018/03 | Poster | JAMSTEC Advisory Board Meeting JAMSTEC Yokohama Institute, Kanagawa, Japan |
| 2017/11 | Talk | InterRidge-Japan Research Meeting 2017 Atmosphere and Ocean Research Institute, the University of Tokyo, Japan |
| 2017/08 | Talk + Poster | 6th International Symposium on Chemosynthesis-Based Ecosystems Woods Hole Oceanographic Institute, Massachusetts, USA |
| 2017/05 | Talk | JpGU-AGU Joint Meeting 2017 Makuhari Messe, Chiba Prefecture, Japan |
| 2016/07 | Talk | 19th World Congress of Malacology Penang Island, Penang State, Malaysia |
| 2016/04 | Poster | The Malacological Society of Japan Annual Meeting 2016 Toho University (Narashino Campus), Chiba, Japan |
| 2015/10 | Talk | 2nd InterRidge International Workshop, Circum-Antarctic Ridges |

| | | |
|---------|---------------|---|
| 2015/09 | Talk | Korea Polar Research Institute (KOPRI), Incheon, Republic of Korea 14th Deep-Sea Biology Symposium |
| 2015/08 | Poster | University of Aveiro, Aveiro, Portugal Systematics Association Biennial Conference 2015 |
| 2015/06 | Talk | University of Oxford, England, United Kingdom 1st International Conference on Biodiversity, Ecology and Conservation of Marine Ecosystems (BECOME 2015) |
| 2014/11 | Talk + Poster | University of Hong Kong, Hong Kong SAR JAMSTEC International Workshop for Large-scale Research Cruises |
| 2014/10 | Talk | Yokohama, Japan (<i>Assistant for Chair, Ken Takai: Vent & Seep Systems Session</i>) 3rd World Conference on Marine Biodiversity |
| 2014/09 | Talk | Qingdao, Shandong Province, China 7th Congress of the European Malacological Societies (EUROMAL) |
| 2014/02 | Talk | University of Cambridge, England, United Kingdom JAMSTEC Blue Earth Symposium 2014 |
| 2013/11 | Talk | Tokyo, Japan, As a part of Dr. Ken Takai's presentation in session BE14-11 British Antarctic Survey Student Science Symposium |
| 2013/07 | Talk + Poster | Cambridge, England, United Kingdom 18th World Congress of Malacology |
| 2012/03 | Talk | Ponta Delgada, Azores, Portugal NERC ChEsSO Consortium Meeting |
| | | British Antarctic Survey, Cambridge, England, United Kingdom |

** Only meetings attended and presented in person are listed.*

INVITED SEMINARS

| | | |
|---------|-------------------------|---|
| 2024/02 | Public Seminar | Tokyo Sea Life Park Invited by: Dr. Hayato Tanaka |
| 2021/04 | Invited Seminar | Ridge Seminar Series 2021 Invited by: Dr. Ana Colaço and Dr. Marjolaine Matabos |
| 2020/07 | Invited Seminar | Oregon Institute of Marine Biology Summer Seminar Series 2020 Invited by: Prof. Craig Young |
| 2019/03 | Invited Lecture | Hiroo Gakuen Junior & Senior High School, Tokyo Lectures at 'Super Academia 2019' |
| 2018/11 | Invited Seminar | Second Institute of Oceanography (SIO), China Invited by: Dr. Yadong Zhou / Dr. Chunsheng Wang |
| 2018/11 | Invited Seminar | Sanya Institute of Deep-Sea Science and Engineering (IDSSE), Hainan Island Invited by: Dr. Haibin Zhang |
| 2018/07 | Graduate School Seminar | Akita Prefectural University Invited by: Prof. Keiju Okano |
| 2017/08 | Departmental Seminar | Hong Kong Baptist University Invited by: Dr. Jian-Wen Qiu |
| 2017/07 | Public Seminar | 4th Hakubutsu Festival! at Japan Science Museum, Tokyo Invited by: Organising committee of the Hakubutsu Festival! |
| 2017/03 | Public Seminar | Kannonzaki Nature Museum, Kanagawa, Japan Invited by: Mr. Kazuhiko Yamada |
| 2017/02 | Public Seminar | Kanagawa Prefectural Museum of Natural History, Japan Annual joint seminar series between JAMSTEC and the museum |
| 2016/10 | Departmental Seminar | University of California, Berkeley, U.S.A. University of California Museum of Paleontology |
| 2015/06 | Departmental Seminar | Hong Kong University of Science and Technology Invited by: Prof. Pei-Yuayan Qian |
| 2014/12 | Departmental Seminar | University of Hong Kong Invited by: Prof. Kenneth M.Y. Leung |
| 2014/04 | Departmental Seminar | Hong Kong Baptist University Invited by: Dr. Jian-Wen Qiu |
| 2013/05 | Symposium | Atmosphere & Ocean Research Institute, the University of Tokyo, Japan Ecology of Hydrothermal Systems Symposium |

TEACHING EXPERIENCE

| | | |
|-----------|---------------------|---|
| 2018 | Practical | Yokohama National University, Japan Course: <i>Ocean and Earth Life Sciences Special Practical</i> Graduate School of Environment and Information Sciences |
| 2018 | Lectures | Akita Prefectural University, Japan Course: <i>Frontiers in Life Sciences</i> Graduate School, Faculty of Bioresource Sciences |
| 2017~2018 | Lectures | Sophia University, Tokyo, Japan Course: <i>Basic Oceanography and Global Environmental Science</i> Graduate School of Global Environmental Studies |
| 2017/05 | Lectures + Field | Universiti Putra Malaysia, Selangor, Malaysia Training Workshop on Intertidal Mollusc Taxonomy Field teaching and three lectures on malacology |
| 2013~14 | Curation | Oxford University Natural History Museum, England, United Kingdom Supervising students and volunteers in updating, cataloguing, and database making of the mollusc collection in the museum; every Monday, 10am~4pm |
| 2011~15 | Tutorials | University of Oxford, England, United Kingdom A number of tutorials for undergraduates studying the Bachelor of Arts in Biological Sciences course, in Marine Biology and Quantitative Methods |

MENTORSHIP EXPERIENCE

| | | |
|--------------|---------------------|--|
| 2020~Present | Postdoctoral Fellow | Dr. Pierre E. Methou JAMSTEC Young Research Fellow Mentor |
|--------------|---------------------|--|

PUBLIC OUTREACH

| | | |
|----------------------|-------------|--|
| 2023/11 | Magazine | Kodansha Bluebacks Interview on the diversity and ecology of molluscs [<i>In Japanese</i>] https://gendai.media/articles/-/117152 |
| 2023/10 | Live Stream | JAMSTEC YouTube Channel Livestream Live event from R/V <i>Falkor (too)</i> showing vent animals from Galápagos Rift https://www.youtube.com/watch?v=JUh6rYf270I |
| 2022/11 ~ 2023/02 | Exhibition | National Museum of Nature and Science, Tokyo Special Exhibition “Poison”, overseeing the hydrothermal vent exhibition https://www.dokuten.jp/ |
| 2020/11 | News | The New York Times ‘Could Listening to the Deep Sea Help Save It?’ Interview by Sabrina Imbler on the deep-sea soundscape project https://www.nytimes.com/2020/11/10/science/deep-sea-marine-biology-acoustics.html |
| 2020/11 | Radio | SETI Institute (CA, USA) “Big Picture Science: Into the Deep” Radio programme. Episode 4: ‘Chong Chen / Sounds of the Deep Sea’ http://bigpicture-science.org/segment/chong-chen-sounds-deep-sea |
| 2020/08 | TV | NHK (Japan) “The Visualization Entertainment: Go! Kaneo-kun” Television programme: Episode on JAMSTEC and Scaly-foot Snail |
| 2020/02 | Magazine | The Aiueo (Japanese Alphabet) Book Vol. 1: Aiueo With Shells Educational publication of Surplunear Co., Ltd. [<i>In Japanese</i>] http://www.surplunear.com/index.php/aiueo/ |
| 2019/11 | TV | NHK (Japan) “The Professionals” Television programme: Episode on DSV <i>Shinkai 6500</i> and cruise YK19-10 |

| | | |
|-------------------|-------------------|--|
| 2019/11 | Podcast | Sustainable Asia Series ‘Mining the Deep: Is the ocean floor worth sacrificing?’ Interviewed by Marcy Trent Long and Sam Colombie https://www.sustainableasia.co/mining-the-deep/ |
| 2019/03 | 360° Movie | National Science Museum, Tokyo (‘Kahaku’) 360 Theatre ‘Deep Sea’ Supervision role, with NSMT and JAMSTEC PR Department |
| 2019/02 | VR | JAMSTEC ‘Virtual Reality in Deep Sea – Step on Seabed’ Video Programme Scientific supervision role, with JAMSTEC PR Department https://www.youtube.com/watch?v=WJmq-VytueY |
| 2018/07 | Radio | TBS Radio “Shinichiro Azumi’s Sunday Heaven” (‘Nichiten’) Invited guest speaker |
| 2018/04 | Live Stream | Nintendo Switch “Splatoon 2” x JAMSTEC Collaboration Project Internet live-stream programme (JAMSTEC x Niconico #06) https://live.nicovideo.jp/watch/lv312543969 |
| 2018/03 | Exhibition | American Museum of Natural History “Unseen Oceans” Special Exhibit, Mar 2018–Jan 2019; Panel exhibit as ‘next generation researcher’ https://www.amnh.org/exhibitions/unseen-oceans |
| 2018/02 – Present | Facebook | Group “ISCC - International Seashell Collectors Club” Administrator, over 2,900 members worldwide (as of 2023/12) https://www.facebook.com/groups/fscadmin/ |
| 2018/01 | TV | TBS (Japan) “Shin. Doubutsu Kisou-Tengai! 2018 SP” Television programme: Interview and showcasing of the ‘scaly-foot gastropod’ |
| 2017/05 | Event | JAMSTEC Yokosuka Headquarters Open Day 2017 Display of 3D printed deep-sea animals, research display, and D-SUGAR seminar |
| 2016/08 | Event | Comic Market (“Comiket”) 90, Tokyo Big Sight, Japan Exhibitor of natural history magazines (with Surplunear Co., Ltd.) |
| 2016/06 | Magazine | Maniac Manual (“ManiMani”) Vol. 3: Deep-Sea Co-contributor, Occasional publication of Surplunear Co., Ltd. [In Japanese] http://www.manimani.online/vol03.html |
| 2016/05 | Event | JAMSTEC Yokosuka Headquarters Open Day 2016 Research / specimens display, and D-SUGAR seminar |
| 2016/04 – Present | Facebook | Group “Seashell Collectors” Administrator, over 26,200 members worldwide (as of 2023/12) https://www.facebook.com/groups/Sseashell/ |
| 2016/02 | Magazine | Maniac Manual (“ManiMani”) Vol. 2: Shells Main contributor, Occasional publication of Surplunear Co., Ltd. [In Japanese] http://www.manimani.online/vol02.html |
| 2015/09 | Event | Deep-sea Dream II “KAIDAN”, Naked Loft, Tokyo, Japan Talk event featuring the JAMSTEC-based novel “Umi Ni Furu” (by Kaeruko Akeno); Invited speaker along with the author Ms. Kaeruko Akeno and Dr. Ken Takai (JAMSTEC) http://dream.dpc-mother.com/dream00002.html |
| 2015/09 | Invited Blog Post | Animal Bytes: Cambridge University Museum of Zoology Blog Making a skeleton out of iron: the ‘scaly-foot gastropod’ http://bit.ly/SkeletonOutOfIron |
| 2015/04 | Invited Blog Post | More than a Dodo: Oxford University Museum of National History Blog The Iron Snail https://morethanadodo.com/2015/04/28/the-iron-snail/ |
| 2013/10 ~ Present | Website | The Chong Chen Collection: Kogkhulion Photographic reference to world molluscs, updated on a weekly basis. https://www.conchology.be/?t=92 |

CERTIFICATION / TRAINING

| | |
|---------|---|
| 2021/04 | Heartsaver CPR AED, American Heart Association Completed training to become a certified first aider. |
| 2018/10 | First Aid Course (Standard, Type I), Japan Completed training to become a certified first aider. A requirement for diving in the manned submersible DSV SHINKAI 6500 with a single pilot. |

Personal Survival Techniques Training, Warsash Maritime Academy

Completed a sea survival training course approved by the Maritime and Coastguard Agency, U.K.; meeting the requirements of STCW 95 Reg. VI/1, Section A-VI/1, Para. 2.1.1.

REFERENCES

Dr. Ken Takai, Director-General
X-STAR, Japan Agency for Marine-Earth
Science and Technology (JAMSTEC)
2-15 Natsushima-cho, Yokosuka,
Kanagawa Prefecture 237-0061, Japan
Tel: +81 (0)46 867 9677
E-mail: kent@jamstec.go.jp

Dr. Katrin Linse, Senior Biodiversity Biologist
British Antarctic Survey, Cambridge
High Cross, Madingley Road
Cambridge, CBE 0ET
England, United Kingdom
Tel: +44 (0) 1223 221631
E-mail: kl@bas.ac.uk

Dr. Jian-Wen Qiu, Professor
Department of Biology
Hong Kong Baptist University
224 Waterloo Road, Kowloon
Hong Kong SAR
Tel: (+852) 3411 7055
E-mail: qiuwj@hkbu.edu.hk

Dr. Julia D. Sigwart, Head of Section, Mollusca
Senckenberg Research Institute and Natural
History Museum, Frankfurt
Senckenberganlage 25
60325 Frankfurt am Main, Germany
Tel: +49 69 7542 1272
E-mail: julia.sigwart@senckenberg.de

Dr. Sammy De Grave, Senior Researcher
Oxford University Museum of Natural History
Parks Road
Oxford, OX1 3PW
England, United Kingdom
Tel: +44 (0)18 6527 2962
E-mail: sammy.degrave@oum.ox.ac.uk

Dr. Jin Sun, Professor
Institute of Evolution & Marine Ecology
Ocean University of China
Qingdao 266003
China
Tel: +86 (0)532 82032737
E-mail: jin_sun@ouc.edu.cn
