CURRICULUM VITAE

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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 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 700 days on-board more than 50 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

2026/10 ~ Present	**Principal Scientist** **Japan Agency for Marine-Earth Science and Technology (JAMSTEC)** Yokosuka Headquarters ACE Program, X-STAR
2023/03 ~ Present	**Guest Researcher** **Senckenberg Research Institute and Natural History Museum, Frankfurt** Division of Marine Zoology Section Malacology
2022/07 ~ 2026/09	**Senior Scientist** **Japan Agency for Marine-Earth Science and Technology (JAMSTEC)** Yokosuka Headquarters ACE Program, X-STAR
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 Graduated	**DPhil**	**Doctor of Philosophy in Zoology (*Oxon.*)** **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 Incepted	**MA**	**Master of Arts in Biological Sciences (*Oxon.*)** **University of Oxford (St Anne's College), England, United Kingdom** Incepted from BA (Hons.) following the attainment of DPhil.
2011/07 Graduated	**BA**	**Bachelor of Arts (Hons.) in Biological Sciences (*Oxon.*)** **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 Graduated	**Diploma**	**International Baccalaureate Diploma Programme** **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 and Natural History Museum, Frankfurt, Germany
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 ~ 2020/01	**Affiliate** **Lawrence Berkeley National Laboratory, California, U.S.A.** Advanced Light Source
2014/01~2014/03 and 2013/05~2013/07	**Research Student** **Japan Agency for Marine-Earth Science and Technology (JAMSTEC)** Yokosuka Headquarters Institute of Biogeosciences

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PEER-REVIEWED PUBLICATIONS

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

206. Gu X, Amano K, Haga T, **Chen C**, Gao K, Xu J, Liu X, Sun J* (2026). A new species of pliocardiine clam (Bivalvia: Vesicomyidae) from the Haima cold seep in the South China Sea. ***Molluscan Research*, Online First.** DOI: 10.1080/13235818.2026.2757878
205. Sigwart JD*, **Chen C** (2026). Taxonomic efforts in deep-sea hydrothermal vents are approaching total coverage. ***Proceedings of the Royal Society B: Biological Sciences*, 293**(2082): 20262250. DOI: 10.1098/rspb.2026.2250
204. Li Y[#] / **Chen C**[#], Liu X, Li M, Zhou H, Wang H, Zheng X, He X, Liu S, Qiu J-W*, Qian P-Y*, Sun J* (2026). A multilamellar organelle for chemosymbiosis in an aplacophoran mollusc adapted to anoxic cold seep sediment. ***Nature Communications*, Early Access**. DOI: 10.1038/s41467-026-78965-0 [Preprint available on ***bioRxiv***, DOI: 10.1101/2025.01.16.633305]
203. **Chen C***, Park C, Jang S-J* (2026). Resolving two lepetodrilid limpet lineages from Indian Ocean hydrothermal vents, with the description of a new species. ***Systematics and Biodiversity*, 24**(2): 2730007. DOI: 10.1080/14772000.2026.2730007
202. Uyeno D*, Watanabe HK, **Chen C** (2026). A new record of *Dirivultus spinigulatus* (Copepoda: Dirivultidae) from Japan associated with a siboglinid tubeworm. ***Species Diversity,* 31**(2): 279-285. DOI: 10.12782/specdiv.31.279
201. Amano K*, **Chen C*** (2026). Two new species of *Pseudoneilonella* (Bivalvia: Neilonellidae) from the southwestern Japan and a redescription of *Neilonella kuroshimaensis* Okutani, 2011. ***Journal of Conchology*, 45**(6): 1133-1145. DOI: 10.61733/jconch/4587
200. Li Y-X, Zhang Y, Dai Q, **Chen C**, Little CTS, Yasuhara M, Yokoyama Y, Ip JC-H, Qiu J-W* (2026). Target capture of ancient shell DNA enables phylogenetic reconstruction of deep-sea molluscs. ***Molecular Ecology Resources*, 26**(7): e70199. DOI: 10.1111/1755-0998.70199
199. Chu J, Zhang H, Li C, Liu X, Methou P, **Chen C**, Matabos M, Sarrazin J, Li R, Sun J* (2026). Deep learning to monitor the deep sea: A category-oriented automated framework for quantifying animal behavior at hydrothermal vents. ***Limnology and Oceanography: Methods*, 24**(11): e70086. DOI: 10.1002/lom3.70086
198. Hey L*, **Chen C**, Xu T, Cowell E, Langlet D, Methou P (2026). Widespread association of ciliates colonizing gills of shrimps inhabiting vents and seeps across the Pacific Ocean. ***Journal of Eukaryotic Microbiology*, 73**(5): e70115. DOI: 10.1111/jeu.70115 [Preprint available on ***bioRxiv***, DOI: 10.64898/2026.02.27.708428]
197. **Chen C***, Zhou Y (2026). Protoconch of the scaly-foot snail revealed at last. ***Journal of Molluscan Studies*, 92**(3): eyag025. DOI: 10.1093/mollus/eyag025
196. Tiwari S*, Watanabe HK, Motomura Y, **Chen C*** (2026). Squat lobsters (Decapoda: Munidopsidae) from a natural whale fall on Torishima Seamount, Izu-Ogasawara Arc, northwestern Pacific, with the description of a new species. ***Journal of Crustacean Biology*, 46**(3): ruag049. DOI: 10.1093/jcbiol/ruag049
195. Amano K*, **Chen C** (2026). Two vesicomyid species from cold seeps in the Nankai Trough and Sagami Bay, including a new species of *Isorropodon*. ***Venus: Journal of the Malacological Society of Japan*, 84**(1-4): 63-74. DOI: 10.18941/venus.84.1-4_63
194. Gooday AJ*, Ishitani Y, **Chen C**, Richirt J, Seike K, Yamashita M, Tsuchiya M, Nomaki H (2026). Integrative taxonomy of new genera and species of giant foraminifera (Rhizaria, Foraminifera, Xenophyophoroidea) from the abyssal northwest Pacific reveals novel morphological complexity. ***Zoological Journal of the Linnean Society*, 207**(3): zlag080. DOI: 10.1093/zoolinnean/zlag080
193. Amano K, Watanabe HK, **Chen C*** (2026). A new deep-sea species of *Thyasira* Lamarck, 1818 (Bivalvia: Thyasiridae) from cold seeps in Sagami Bay and Nankai Trough, Japan. ***The Nautilus*, 140**(2): 41-50.
192. **Chen C***, Watanabe HK, Castel J, Jollivet D, Lallier FH, Mathieu-Resuge M, Michel LN, Motomura Y,

Ono S, Miyazaki J, Takai K (2026). Discovery of a chemosynthetic community at the serpentinite-hosted seep on Quaker Seamount, Mariana Forearc. ***Marine Biodiversity*****, 56**(3): 60. DOI: 10.1007/s12526-026-01670-0 [Preprint available on ***bioRxiv***, DOI: 10.64898/2025.12.26.696545]

191. **Chen C***, Watanabe HK (2026). Direct feeding on chitinous siboglinid worm tubes by an osteopeltid limpet. ***Ecology*****, 107**(5): e70392. DOI: 10.1002/ecy.70392
190. Amano K*, Haga T, Hirayama H, Watanabe HK, **Chen C*** (2026). A new species of chemosymbiotic clam (Bivalvia: Vesicomyidae) from the Nankai Trough and Mariana Forearc. ***Zootaxa*****, 5814**(4): 563-575. DOI: 10.11646/zootaxa.5814.4.7
189. **Chen C**, Jimi N, Nomaki H*, Ishikawa N* (2026). Trophic relationships between a seep calamyzine worm and its vesicomyid clam host inferred from multiple lines of isotopic evidence. ***Marine Ecology*****, 47**(3): e70094. DOI: 10.1111/maec.70094
188. Amano K*, Haga T, Hirayama H, **Chen C*** (2026). Two new species of *Thyasira* Lamarck, 1818 (Bivalvia: Thyasiridae) from serpentinite seeps on the Mariana Forearc. ***Molluscan Research*****, 46**(2): 143-151. DOI: 10.1080/13235818.2026.2642441
187. Riehl T*, Böhm M, Brandão SN, Brandt A, **Chen C**, Edgecombe GD, Frank HJZ, Gallagher AJ, Goldburg R, Hutchings P, Machado FM, Mosbrugger V, Pollom RA, Steger J, Tandberg AH, Thiyagarajan S, Tilic E, Torkov A, Vences M, Wasmund R, Sigwart JD (2026). Marine conservation: linking taxonomy, Red Listing, and public engagement. ***Trends in Ecology & Evolution*****, 41**(6): 541-555. DOI: 10.1016/j.tree.2026.03.004
186. Zhang M[#] / **Chen C**[#], Wu M, Copley JT, Poitrimol C, Alfaro-Lucas JM, Watanabe HK, Zhou Y* (2026). Global barcoding of the deep-sea snail genus *Phymorhynchus* reveals surprising distribution ranges and genetic diversity. ***Biology Letters*****, 22**(4): 20250685. DOI: 10.1098/rsbl.2025.0685
185. Li Y[#] / Liu X[#], **Chen C**, Qiu J-W, Kocot K, Sun J* (2026). Reliable inference of phylogenomic relationship via assembly-based strategy accommodating raw reads and proteins. ***Molecular Ecology Resources*****, 26**(3): e70116. DOI: 10.1111/1755-0998.70116 [Preprint available on ***bioRxiv***, DOI: 10.1101/2024.07.24.604968]
184. Li M[#] / Li Y[#] / Mao S-H[#], Zhang Z, **Chen C**, Nie X, Liu X [Xu], Wang H, Liu X [Xiaoshou], Zhang W, Lin Q, Zhuang G-C*, Sun J* (2026). Intricate chemosymbiosis in a widespread shallow-water thyasirid clam. ***Science Advances*****, 12**(10): eadw8163. DOI: 10.1126/sciadv.adw8163 [Preprint available on ***bioRxiv***, DOI: 10.1101/2024.02.25.581922]
183. Gu X[#] / **Chen C**[#], Zhou Y*, Sun J* (2026). Unexpectedly high diversity of lepetodrilid limpets at Indian Ocean deep-sea hot vents sheds light on their global biogeography. ***Royal Society Open Science*****, 13**: 251392. DOI: 10.1098/rsos.251392
182. **Chen C***, Watanabe HK, Kawagucci S (2026). Cold seep communities in the Sea of Japan are species-poor and dominated by a new species of provannid snail. ***Journal of Zoological Systematics and Evolutionary Research*****, 2026**: 4623950. DOI: 10.1155/jzs/4623950
181. Sun Y, Qiu J-W, **Chen C**, Martín‐Durán JM, Oatley G, Sinclair E, Aunin E, Gettle N, Santos C, Paulini M, Niu H, McKenna V, O'Brien R, … Aquatic Symbiosis Genomics Project Leadership* (2026). The chromosomal genome sequence of the tubeworm, *Lamellibrachia columna* Southward, 1991 (Sabellida: Siboglinidae). ***Wellcome Open Research*****, 11**: 127. DOI: 10.12688/wellcomeopenres.25860.1
180. Chen X[#] / Jun S[#] / **Chen C**[#]* / Liu R[#] / Xu T[#] / Zhang H[#], Gao Y, He X, Liu X, Gao K, Gu X, Zhou Y, Takai K, Wang Y*, Qian P-Y*, Won Y-J*, Sun J* (2026). Dispersal and isolation of the scaly-foot snail across abyssal insular habitats and through time. ***Current Biology*****, 36**(5): 1-14. DOI: 10.1016/j.cub.2026.01.033 [Preprint available on ***bioRxiv***, DOI: 10.1101/2025.08.02.668274]
179. Methou P*, Mathieu-Resuge M, Michel LN, Cueff-Gauchard V, Watanabe HK, Cowell EJ, Copley JT, Beinart RA, Zbinden M, Pradillon F, Cambon M-A*, **Chen C*** (2026). Evolutionary convergence and trophic diversity in hot vent and cold seep shrimps showcase a continuum of symbiosis. ***Proceedings of the Royal Society B: Biological Sciences*****, 293**(2064): 20252883. DOI: 10.1098/rspb.2025.2883 [Preprint available on ***bioRxiv***, DOI: 10.1101/2025.08.27.672534]
178. Wang H, Dai Y, **Chen C**, Li Y, He X, Li M, Zhou Y, Ip JC-H, Sun J* (2026). Multi-omics analyses of the *Alviniconcha* holobiont reveal multi-faceted adaptations to deep-sea hydrothermal vents. ***Science China Life Sciences*****, 69**: 1385-1397. DOI: 10.1007/s11427-025-3148-0 [Preprint available on ***bioRxiv***, DOI: 10.1101/2025.05.21.655246]
177. Senckenberg Ocean Species Alliance (SOSA), **Chen C**, Frank H, Kraniotis L, Nakadera Y, Schwabe E, Sigwart JD*, Trautwein B, Vončina K (2026). Ocean Species Discoveries 28–30 — new species of chitons (Mollusca: Polyplacophora) and a public naming competition. ***Biodiversity Data Journal*****, 14**: e180491. DOI: 10.3897/BDJ.14.e180491
176. Li Y-X, Xu T, Perez M, **Chen C**, Watanabe HK, Ip JC-H, Qiu J-W* (2026). Sequencing ultraconserved elements for population genomics: A proof-of-concept using a deep-sea mussel species. ***Evolutionary Applications*****, 19**(1): e70195. DOI: 10.1111/eva.70195

175. Ogawa A*, **Chen C**, Sigwart JD (2025). A new abyssal species of *Acanthotrochus* (Holothuroidea: Apodida) from the Aleutian Trench, North Pacific Ocean. ***Bulletin of Marine Science*, 102**(1): 23-37. DOI: 10.5343/bms.2025.0092
174. Bonk A, Hryniewicz K, Bącal P, Smrzka D, **Chen C**, Little CTS (2025). Diversity of mineral coatings on hydrothermal vent gastropods. ***Scientific Reports*, 15**: 45807. DOI: 10.1038/s41598-025-29638-3
173. **Chen C***, Watanabe HK, Hookabe N, Shiraki S, Nye V, Fleming JF, Jimi N (2025). Biological surveys reveal unexpectedly high faunal diversity at Nankai Trough methane seeps. ***Ecosphere*, 16**(11): e70451. DOI: 10.1002/ecs2.70451
172. Liu X, **Chen C**, Gu X, Sun J* (2025). A second species of giant caudofoveate worm-mollusc from Haima cold seep in the South China Sea. ***Molluscan Research*, 45**(4): 426-434. DOI: 10.1080/13235818.2025.2566524
171. **Chen C***, Tsuda M, Watanabe HK (2025). Distribution of the deep-sea limpet genus *Pyropelta* in the northwestern Pacific, with the description of a new species. ***Contributions to Zoology*, 94**(4): 371-394. DOI: 10.1163/18759866-bja10083
170. Ariyama H*, Kohtsuka H, Hoshino O, Kodama M, Moritaki T, **Chen C** (2025). *Lobatoradarea*, a new genus of the family Calliopiidae Sars, 1895 (Crustacea: Amphipoda) from Japan, with descriptions of ten new species. ***Zootaxa*, 5699**(1): 1-72. DOI: 10.11646/zootaxa.5699.1.1
169. **Chen C***, Okada S, Watanabe HK, Uematsu K, Isobe N (2025). Keratinisation-like differentiation process forms chitinous dermal sclerites in the hot vent snail *Ifremeria nautilei*. ***Proceedings of the Royal Society B: Biological Sciences*, 292**(2053): 20251220. DOI: 10.1098/rspb.2025.1220
168. Methou P*, Johnson S, Sherrin J, Shank TM, **Chen C**, Tunnicliffe V (2025). A Tale of Two Shrimps — Speciation and demography of two sympatric shrimp species from hydrothermal vents. ***Molecular Ecology*, 34**(22): e70119. DOI: 10.1111/mec.70119 [Preprint available on ***bioRxiv***, DOI: 10.1101/2024.12.18.629080]
167. **Chen C***, Tsuda M, Ishitani Y (2025). A new large-sized lepetid limpet from the abyssal northwestern Pacific is the deepest known patellogastropod. ***Zoosystematics and Evolution*, 101**(3): 1249-1258. DOI: 10.3897/zse.101.156207
166. Gooday AJ*, Y Ishitani, **Chen C**, Holzmann M, Richirt J, Seike K, Yamashita M, Tsuchiya M, Nomaki H (2025). Integrative taxonomy of new xenophyophores (Rhizaria, Foraminifera) from the abyssal northwest Pacific. ***European Journal of Taxonomy*, 1004**(1): 144-189. DOI: 10.5852/ejt.2025.1004.2973
165. Mao Q[#] / **Chen C**[#], Sun J, Liang J, Sun Y, Wang Y, Zeng C, Li M, Xin S, Zhang D, Zhou Y* (2025). Genetic structure in a trans-oceanic hot vent mussel reveals four metapopulations with implications for conservation. ***Journal of Biogeography*, 52**(10): e70017. DOI: 10.1111/jbi.70017
164. **Chen C***, Sigwart JD (2025). Diversity and potential parentage of molluscan (and likely-molluscan) eggs from the Aleutian Trench. ***Progress in Oceanography***, **237**: 103535. DOI: 10.1016/j.pocean.2025.103535
163. Gao K, He X, Wang H, **Chen C**, Gu X, Lai Q, Perez M, Kojima S, Amano K, Sun J* (2025). Phylogenomic analyses of Pliocardiinae (Bivalvia: Vesicomyidae) update genus-level taxonomy and shed light on trait evolution. ***Cladistics,*** **41**(4): 372-387. DOI: 10.1111/cla.70001
162. Sun Y*, Bao Q, **Chen C**, Wu X, Ju Y, Liao S, Zhou Y* (2025). New species of capitellid polychaetes add to the unique biodiversity of Indian Ocean hot vents. ***Zoological Journal of the Linnean Society*, 204**(2): zlaf058. DOI: 10.1093/zoolinnean/zlaf058
161. Houart R*, Moe C, **Chen C*** (2025). Description of a new species of *Naquetia* Jousseaume, 1880 (Gastropoda: Muricidae: Muricinae) from the Philippines. ***The Nautilus*, 139**(2): 70-77.
160. **Chen C***, Pradillon F, Lorenzo CD-R, Alfaro-Lucas JM (2025). Integrative taxonomy of two new peltospirid gastropods from Mid-Atlantic Ridge hot vents including a potentially symbiotic species. ***Zoological Journal of the Linnean Society*, 204**(2): zlaf055. DOI: 10.1093/zoolinnean/zlaf055
159. **Chen C**, Zhang R, Zhang, D, Qiu J-W, Zhou Y* (2025). Laubierinid snails are associates of crinoids and a modern analogue of Paleozoic platyceratids. ***Ecology*, 106**(3): e70061. DOI: 10.1002/ecy.70061
158. Wong WC, Kwan YH, He X, **Chen C**, Xiang S, Xiao Y, Long L, Gao K, Wang N, Wu L, Qian P-Y*, Sun J* (2025). Proteomic analyses reveal the key role of gene co-option in the evolution of the scaly-foot snail scleritome. ***Communications Biology*, 8**: 337. DOI: 10.1038/s42003-025-07785-7
157. Chen Z, Baeza JA, **Chen C**, Gonzalez MT, González VL, Greve C, Kocot KM, Martinez Arbizu P, Moles J, Schell T, Schwabe E, Sun J, Wong LWS, Yap-Chiongco M, Sigwart JD* (2025). A genome-based phylogeny for Mollusca is concordant with fossils and morphology. ***Science*, 387**(6737): 1001-1007. DOI: 10.1126/science.ads0215
156. Sigwart JD*, **Chen C**, Kamenev G, Machado FM, Schwabe E (2025). Distribution patterns of deep-sea molluscs from the Bering Sea and Aleutian Trench. ***Progress in Oceanography*, 233**: 103440. DOI: 10.1016/j.pocean.2025.103440
155. Lin Y-T, Peng Y-B, **Chen C**, Xu T, Qiu J-W* (2025). Integrative morphological, mitogenomic and phylogenetic analyses reveal new vent-dwelling scallop species. ***Invertebrate Systematics*, 39:** IS24091.

DOI: 10.1071/IS24091

154. Zhang H[#] / Yahagi T[#], Miyamoto N, **Chen C**, Jiang Q, Qian P-Y, Sun J* (2025). Circatidal control of gene expression in the deep-sea hot vent shrimp *Rimicaris leurokolos*. ***Proceedings of the Royal Society B: Biological Sciences*, 292**(2040): 20242970. DOI: 10.1098/rspb.2024.2970 [Preprint available on ***bioRxiv***, DOI: 10.1101/2024.01.12.575359]
153. Gu X[#] / **Chen C**[#], Gao K, Zhou Y*, Sun J* (2025). Integrative taxonomy of new neritimorph limpets from Indian Ocean deep-sea hot vents shed light on their biogeographic history. ***Zoological Journal of the Linnean Society*, 203**(1): zlae167. DOI: 10.1093/zoolinnean/zlae167
152. **Chen C**, Kawamura K, Ogawa A* (2024). A herd of sea cucumber, flock together. ***Marine Biodiversity*, 55**: 4. DOI: 10.1007/s12526-024-01487-9
151. Komai T*, **Chen C*** (2024). A new species of the thorid shrimp genus *Lebbeus* White, 1847 (Decapoda: Caridea) from the Amami Rift hydrothermal vent field in the Ryukyu region, Japan. ***Zootaxa*, 5523**(2): 254-268. DOI: 10.11646/zootaxa.5523.2.7
150. Li Y-X, Ip JC-H, **Chen C**, Xu T, Zhang Q, Sun Y, Ma P-Z, Qiu J-W* (2024). Phylogenomics of Bivalvia using ultraconserved elements reveal new topologies for Pteriomorphia and Imparidentia. ***Systematic Biology*, 74**(1): 16-33. DOI: 10.1093/sysbio/syae052
151. **Chen C***, Hookabe N, Hashimoto R, Shimooka S, Shiraki S, Uyeno D, Kawagucci S (2024). Faunal composition of the Sumisu Caldera hydrothermal vent field as a key baseline for conservation in light of deep-sea mining. ***Aquatic Conservation: Marine and Freshwater Ecosystems*, 34**(11): e70009. DOI: 10.1002/aqc.70009
148. Nomaki H*, Kojima S, Miyairi Y, Yokoyama Y, **Chen C** (2024). Natural ^{14}C abundances and stable isotopes suggest discrete uptake routes for carbon and nitrogen in cold seep animals. ***Progress in Earth and Planetary Science***, **11**: 51. DOI: 10.1186/s40645-024-00648-5
147. Takatsuka S[#] / Miyamoto N[#], Sato H, Morino Y, Kurita Y, Yabuki A, **Chen C**, Kawagucci S* (2024). Milli-second-scale behaviours of plankton quantified in vitro and in situ using the Event-based Vision Sensor. ***Ecology and Evolution*, 14**(8): e70150. DOI: 10.1002/ece3.70150 [Preprint available on ***bioRxiv***, DOI: 10.1101/2023.01.11.523686]
146. **Chen C***, Methou P, Yamamoto D, Kayamori M, Nomaki H (2024). There and there again: Hydrothermal vent communities at Mokuyo Seamount, 30 years apart. ***Ecological Research*, 40**(4): 389-402. DOI: 10.1111/1440-1703.12528
145. Senckenberg Ocean Species Alliance (SOSA), Brandt A, **Chen C**, Engel L, Esquete P, Horton T, Jażdżewska 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. **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
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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
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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.
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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

2025/12	**R/V *KAIMEI* Cruise KM25-12**
Yokosuka – Saipan	Mariana cold seeps and hot vents w/ **ROV *KM-ROV***
2025/09	**R/V *YOKOSUKA* Cruise YK25-15C**
Yokosuka – Yokosuka	Seeps and vents w/ **DSV *SHINKAI 6500* (Dived #1878)**
2025/08~2025/09	**R/V *YOKOSUKA* Cruise YK25-14C**
Yokosuka – Yokosuka	Continental slope and seeps w/ **DSV *SHINKAI 6500* (Dived #1873-1875)**
2025/06	**R/V *YOKOSUKA* Cruise YK25-09C**
Yokosuka – Yokosuka	Seeps and seamounts w/ **DSV *SHINKAI 6500* (Dived #1857, #1865)**
2025/04	**R/V *YOKOSUKA* Cruise YK25-04C**
Yokosuka – Yokosuka	Vents, seeps, and abyssal plain w/ **DSV *SHINKAI 6500* (Dived #1846)**
2024/10	**R/V *YOKOSUKA* Cruise YK24-16C**
Yokosuka – Yokosuka	Vents, seeps, and abyssal plain w/ **DSV *SHINKAI 6500* (Dived #1822)**
2024/08	**R/V *YOKOSUKA* Cruise YK24-13C**
Yokosuka – Yokosuka	Vents and seeps w/ **DSV *SHINKAI 6500* (Dived #1800, #1801)**
2024/07-2024/08	**R/V *YOKOSUKA* Cruise YK24-12**
Koniya, Amami – Sasebo	Seeps and seamount slopes 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	Hydrothermal vents and CO_2 sites, Okinawa Trough w/ **ROV *Hyper-Dolphin***
2018/10	**R/V *YOKOSUKA* Cruise YK18-E02C** w/ **DSV *SHINKAI 6500* (Dived #1525)**
Beppu – Yokosuka	Manganese crust exploration; First ever *SHINKAI 6500* single-pilot dive
2018/09	**M/Y *AXIS*** w/ **acrylic hulled HOV *TRITON 3300/3 Mk. II* (Three dives)**
Freeport, Bahamas	Exploring underwater cliffs off Freeport, Grand Bahamas Island, Bahamas
2018/07~2018/08	**R/V *KAIMEI* Cruise KM18-07C**
Yokosuka – Okinawa	Hydrothermal vents, Okinawa Trough w/ ***KAIMEI ROV & VMPS***
2018/02~2018/03	**R/V *KAIREI* Cruise KR18-03C**
Yokosuka – Kagoshima	Hydrothermal vents, Okinawa Trough w/ **ROV *KAIKO* (Vehicle *Mk-IV*)**
2017/10	**R/V *MIRAI* Cruise MR17-07C**
Hachinohe–Nakagusuku	Okinawa Trough vents w/ ***Vertical Multi-layer Plankton Sampler***
2017/08	**R/V *YOKOSUKA* Cruise YK17-17**
Naha – Ishigaki	Hydrothermal vents, Okinawa Trough w/ **DSV *SHINKAI 6500***
2016/11~2016/12	**R/V *KAIREI* Cruise KR16-16**
Naha – Kagoshima	Hydrothermal vents, Okinawa Trough w/ **ROV *KAIKO* (Vehicle *Mk-IV*)**
2016/10~2016/11	**R/V *KAIREI* Cruise KR16-14**
Saipan – Naha	Shinkai Seep Field (Mariana Trench) w/ **ROV *KAIKO* (Vehicle *Mk-IV*)**
2016/06~2016/07	**R/V *KAIMEI* Cruise KM16-04**
JAMSTEC – JAMSTEC	Sagami Bay hydrocarbon seep w/ **ROV *HYPER-DOLPHIN* & *KAIMEI ROV***
2016/04	**R/V *KAIMEI* Cruise KM16-01**
JAMSTEC – JAMSTEC	Sagami Bay and Suruga Bay w/ ***KAIMEI ROV***
2016/02~2016/03	**R/V *YOKOSUKA* Cruise YK16-E02**
Mauritius – Mauritius	Indian Ocean hot vents w/ **DSV *SHINKAI 6500* (Dived #1457)**
2016/01	**R/V *YOKOSUKA* Cruise YK16-E01**
Mauritius – Mauritius	Indian Ocean hot vents w/ **AUV *URASHIMA***
2015/11	**R/V *KAIREI* Cruise KR15-17**
Naha – Naha	Hydrothermal vents, Okinawa Trough w/ **ROV *KAIKO* (Vehicle *Mk-IV*)**

2015/10~2015/11	**R/V *KAIREI* Cruise KR15-16**
Naha – Naha	Hydrothermal vents, Okinawa Trough w/ **ROV *KAIKO* (Vehicle *Mk-IV*)**
2015/07~2015/08	**R/V *NATSUSHIMA* Cruise NT15-13**
Kumamoto–Kagoshima	Hydrothermal vents, Okinawa Trough w/ **ROV *HYPER-DOLPHIN***
2014/02	**R/V *KAIYO* Cruise KY14-02**
Naha – Naha	Hydrothermal vents, Okinawa Trough w/ **ROV *HYPER-DOLPHIN***
2014/01	**R/V *KAIYO* Cruise KY14-01**
Yokohama – Naha	Hydrothermal vents, Okinawa Trough w/ **ROV *HYPER-DOLPHIN***
2012/12~2013/01	**RRS *James Cook* Cruise JC80**
Punta Arenas – Montevideo	Hydrothermal vents, E2 & E9 Segments, East Scotia Ridge w/ **ROV *Isis***
2011/11	**RRS *James Cook* Cruise JC67**
Within JC66	Hydrothermal vents, South West Indian Ridge w/ **ROV *Kiel 6000***
2011/11~2011/12	**RRS *James Cook* Cruise JC66**
Cape Town – Port Elizabeth	Seamounts, South West Indian Ridge w/ **ROV *Kiel 6000***

Total = 708 days on-board

FUNDING RECEIVED

2024 (~2027) **Hong Kong Research Grants Council (HKRGC) General Research Fund**
Fire and ice: Population connectivity and environmental adaptability of deep-sea macrobenthos co-occurring in island-like vent and seep ecosystems (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**
Getting to the heart of symbioses: exploring anatomical adaptations in the circulatory system across chemosymbiotic molluscs (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**
Funding to attend the World Congress of Malacology 2013, Portugal, €400.00

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 ~ 2025/12	**Frontiers in Marine Science, *Associate Editor***
	Section: *Marine Evolutionary Biology, Biogeography and Species Diversity*

AWARDS RECEIVED

2026/03	**The Ecological Society of Japan, *Ecological Research* Paper Award 2025**
	Awarded to: Chen *et al.* (2024) There and there again: Hydrothermal vent communities at Mokuyo Seamount, 30 years apart. DOI: 10.1111/1440-1703.12528
2025/03	**WoRMS "Ten Remarkable New Marine Species From 2024"**
	Awarded to the Diving Dragon Glistenworm *Chaetoderma shenloong* Chen *et al.*, 2024 and the lead-authored paper describing it
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 *Chrysomallon squamiferum* Chen *et al.*, 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

2026/09	**Poster**	**JAMSTEC 2026 (Annual Public Reporting Symposium)**

		Tokyo International Forum, Japan
2025/08	**Talk**	**6th International Congress on Invertebrate Morphology (ICIM-6)** University of Concepción, Chile
2025/08	**Plenary**	**World Congress of Malacology XXII (WCM2025)** University of São Paulo, São Paulo, Brazil
2025/01	**Talk**	**17th Deep-Sea Biology Symposium (DSBS)** Hong Kong University of Science and Technology (HKUST)
2024/03	**Invited Talk**	**71st Annual Meeting of the Ecological Society of Japan** Yokohama National University, Japan
2023/08	**Plenary**	**7th International Symposium on Chemosynthesis-Based Ecosystems (CBE7)** Guarujá, São Paulo, Brazil
2022/10	**Plenary**	**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**	**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 the 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**	**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 + 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** Korea Polar Research Institute (KOPRI), Incheon, Republic of Korea
2015/09	**Talk**	**14th Deep-Sea Biology Symposium (DSBS)** University of Aveiro, Aveiro, Portugal
2015/08	**Poster**	**Systematics Association Biennial Conference 2015** University of Oxford, England, United Kingdom
2015/06	**Talk**	**1st International Conference on Biodiversity, Ecology and Conservation of Marine Ecosystems (BECoME 2015)** University of Hong Kong, Hong Kong SAR
2014/11	**Talk + Poster**	**JAMSTEC International Workshop for Large-scale Research Cruises** Yokohama, Japan (*Assistant for Chair, Ken Takai: Vent & Seep Systems Session)*
2014/10	**Talk**	**3rd World Conference on Marine Biodiversity**

		Qingdao, Shandong Province, China
2014/09	**Talk**	**7th Congress of the European Malacological Societies (EUROMAL)**
		University of Cambridge, England, United Kingdom
2014/02	**Talk**	**JAMSTEC Blue Earth Symposium 2014**
		Tokyo, Japan, As a part of Dr. Ken Takai's presentation in session BE14-11
2013/11	**Talk**	**British Antarctic Survey Student Science Symposium**
		Cambridge, England, United Kingdom
2013/07	**Talk + Poster**	**18th World Congress of Malacology**
		Ponta Delgada, Azores, Portugal
2012/03	**Talk**	**NERC ChEsSO Consortium Meeting**
		British Antarctic Survey, Cambridge, England, United Kingdom

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

Invited Seminars

2026/06	**Station Biologique de Roscoff, Sorbonne Université and CNRS**
Invited Seminar	Invited by: Dr. Thomas Broquet / Dr. Didier Jollivet
2026/04	**Korea Institute of Ocean Science and Technology (KIOST)**
Invited Seminar	Invited by: Dr. Sook-Jin Jang / Dr. Se-Jong Ju
2025/07	**The Conchological Society of Great Britain and Ireland**
Invited Online Talk	Invited by: Dr. Ben Rowson / Dr. Matthew Law
2024/11	**IFREMER (French Research Institute for Exploitation of the Sea), Brest**
Invited Seminar	Invited by: Dr. Pierre Methou
2024/04	**Ocean University of China, Qingdao**
Invited Seminar	Invited by: Prof. Jin Sun
2024/02	**Tokyo Sea Life Park**
Public Seminar	Invited by: Dr. Hayato Tanaka
2021/04	**Ridge Seminar Series 2021**
Invited Seminar	Invited by: Dr. Ana Colaço and Dr. Marjolaine Matabos
2020/07	**Oregon Institute of Marine Biology Summer Seminar Series 2020**
Invited Seminar	Invited by: Prof. Craig Young
2019/03	**Hiroo Gakuen Junior & Senior High School, Tokyo**
Invited Lecture	Lectures at 'Super Academia 2019'
2018/11	**Second Institute of Oceanography (SIO), China**
Invited Seminar	Invited by: Dr. Yadong Zhou / Dr. Chunsheng Wang
2018/11	**Sanya Institute of Deep-Sea Science and Engineering (IDSSE), Hainan Island**
Invited Seminar	Invited by: Dr. Haibin Zhang
2018/07	**Akita Prefectural University**
Graduate School Seminar	Invited by: Prof. Keiju Okano
2017/08	**Hong Kong Baptist University**
Departmental Seminar	Invited by: Dr. Jian-Wen Qiu
2017/07	**4th Hakubutsu Festival! at Japan Science Museum, Tokyo**
Public Seminar	Invited by: Organising committee of the Hakubutsu Festival!
2017/03	**Kannonzaki Nature Museum, Kanagawa, Japan**
Public Seminar	Invited by: Mr. Kazuhiko Yamada
2017/02	**Kanagawa Prefectural Museum of Natural History, Japan**
Public Seminar	Annual joint seminar series between JAMSTEC and the museum
2016/10	**University of California, Berkeley, U.S.A.**
Departmental Seminar	University of California Museum of Paleontology
2015/06	**Hong Kong University of Science and Technology**
Departmental Seminar	Invited by: Prof. Pei-Yuayan Qian
2014/12	**University of Hong Kong**
Departmental Seminar	Invited by: Prof. Kenneth M.Y. Leung
2014/04	**Hong Kong Baptist University**
Departmental Seminar	Invited by: Dr. Jian-Wen Qiu
2013/05	**Atmosphere & Ocean Research Institute, the University of Tokyo, Japan**
Symposium	Ecology of Hydrothermal Systems Symposium
2013/05	**Japan Agency of Marine-Earth Science and Technology (JAMSTEC)**

Departmental Seminar	BioGeos Seminar, invited by Dr. Hiromi Kayama Watanabe

Teaching Experience

2018	**Practical**	**Yokohama National University, Japan** Course: *Ocean and Earth Life Sciences Special Practical* Graduate School of Environment and Information Sciences
2018	**Lectures**	**Akita Prefectural University, Japan** Course: *Frontiers in Life Sciences* Graduate School, Faculty of Bioresource Sciences
2017~2018	**Lectures**	**Sophia University, Tokyo, Japan** Course: *Basic Oceanography and Global Environmental Science* 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

Public Outreach

2026/07	**News**	**IUCN Red List update with a comprehensive assessment of vent molluscs** *Reuters*, interview by Emma Farge *https://www.reuters.com/legal/litigation/deep-sea-mining-threatens-molluscs-holding-promise-science-red-list-shows-2026-07-09/* *The New York Times*, interview by Catrin Einhorn *https://www.nytimes.com/2026/07/09/climate/iucn-red-list-threatened-species.html* *The Mainichi Shimbun*, interview by Ryoko Araki *https://mainichi.jp/articles/20260709/k00/00m/040/148000c* *The Yomiuri Shimbun*, interview by Yoshimune Numata *https://www.yomiuri.co.jp/science/20260709-GYT1T00313/*
2026/05	**Magazine**	**Scientific American** "Meet the endangered scaly-foot snail, the most metal animal in the world" An interview by Adam Kovac, Edited by Claire Cameron *https://www.scientificamerican.com/article/celebrate-endangered-species-day-meet-the-scaly-foot-snail-the-most-metal-animal-in-the-world/*
2026/04	**News**	**The Mainichi Shimbun, Mainichi Elementary School Newspaper** "Let's protect the iron snail!" article on the scaly-foot snail *https://mainichi.jp/maisho/articles/20260405/kei/00s/00s/002000c*
2025/12	**Live Stream**	**Ultra-Deep-Sea Sample Return 2025 Dive Stream** ROV dive live-streaming from the Mariana region on R/V *Kaimei* *https://www.youtube.com/live/u4Pwx4G4-84?si=fdiqQpG9wbYLBN_o*
2025/07	**Magazine**	**"Pen" Magazine (CCE Media House), JAMSTEC Special Edition** Interviewed as one of the "pioneers on the front line of ocean exploration". *https://www.pen-online.jp/magazine/penplus/pen_plus_jamstec.html*
2025/07	**Podcast**	**Dział Zagraniczny (Foreign Desk) Podcast #242, Poland** Interview on podcast by Michalina Kowol on deep-sea mining *https://www.youtube.com/watch?v=R5Nlz25nkTk*
2024/11 ~ 2025/03	**Exhibition**	**National Museum of Nature and Science, Tokyo** Planned Exhibition "The Shell Exhibition: Why Are People Fascinated by Shells?", assistance in preparation and providing specimens for *Chapter 3: Deep relationships between molluscs and humankind.* *https://www.kahaku.go.jp/event/2024/11shells/*

2023/11	**Magazine**	**Kodansha Bluebacks** Interview on the diversity and ecology of molluscs [*In Japanese*] *https://gendai.media/articles/-/117152*
2023/10	**Live Stream**	**JAMSTEC YouTube Channel Livestream** Live event from R/V *Falkor (too)* 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://bigpicturescience.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. [*In Japanese*] *http://www.surplunear.com/index.php/aiueo/*
2019/11	**TV**	**NHK (Japan) "The Professionals"** Television programme: Episode on DSV *Shinkai 6500* 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 – 2024/07	**Facebook**	**Group *"ISCC - International Seashell Collectors Club"*** Administrator, over 2,800 members worldwide *https://www.facebook.com/groups/fsccadmin/*
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 25,000 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 ~ Renewed 2025	**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.
2011/10	**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

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