

CHRISTIAN DRERUP

+44 7743 026540
cd731@cam.ac.uk
www.christiandrerp.com
0000-0002-6912-6379
Google Scholar

PhD Student
Marine Behavioural Ecology Group
Department of Zoology
University of Cambridge
Downing St, Cambridge CB2 3EJ (UK)

EDUCATION

- Since 10/2020** **PhD Zoology**, University of Cambridge, Cambridge (UK)
Topic: *Adaptations to visually noisy environments in cuttlefish*
Submission date: 30th September 2023
- 09/2017 – 12/2019** **M.Sc. Marine Biology**, University of Algarve, Faro (Portugal)
Topic: *Habitat preference and behavioural ecology of bobtail squids (Sepiolidae)*
Overall grade: 18/20 (equivalent to a British first-class degree)
- 10/2013 – 07/2017** **B.Sc. Biology**, Christian-Albrechts-University, Kiel (Germany)
Topic: *The influence of terminal end structures on settlement behaviour and attachment strength in the barnacle Balanus improvisus*
Overall grade: 2.0 (equivalent to a British upper second-class (2:1) degree)

GRANTS & SCHOLARSHIPS

Cambridge Trust European Scholarship (10/2020)	£46,956
Cambridge C-CLEAR NERC DTP Studentship (10/2020)	£36,289
Okinawa Institute of Science and Technology Research Internship Grant (02/2019)	£4,216
Portuguese Directorate for Higher Education Merit Scholarship (01/2020)	£2,526
German Academic Exchange Service Promos Scholarship (11/2015)	£1,642
University of Cambridge SBS Fieldwork Grant (09/2021)	£1,639
Malacological Society of London Early Career Research Grant (04/2021)	£1,500
National Geographic's S.E.E. Initiative Grant (12/2018)	£1,405
Erasmus Traineeship Grant (10/2018)	£909
Erasmus Traineeship Grant (06/2017)	£842
University of Cambridge SBS Fieldwork Grant (03/2022)	£700
Erasmus Traineeship Grant (04/2019)	£677
Hughes Hall Edwin Leong Travel Grant (03/2022)	£500

PUBLICATIONS

Peer-reviewed:

- 8) **Drerup C** (2022) The behavioural ecology of Sepiolidae (Cephalopoda: Sepiolida): a review. *Molluscan Research*. Doi: [10.1080/13235818.2022.2107503](https://doi.org/10.1080/13235818.2022.2107503)
- 7) Venables SV, **Drerup C**, Powell SB, Marshall NJ, Herbert-Read JE, How MJ (*In Press*) Polarization vision mitigates visual noise from flickering light underwater. Accepted in *Science Advances*.
- 6) Laptikhovskiy V, Allcock AL, Barnwall L, Barrett C, Cooke G, **Drerup C**, Firmin C, Lozach S, MacLeod E, Oesterwind D, Petroni M, Robin J-P, Sheerin E, Power A-M, Pierce GJ (2022) Spatial and temporal variability of spawning and nursery grounds of *Loligo forbesii* and *Loligo vulgaris* squids in ecoregions of Celtic Seas and Greater North Sea. *ICES Journal of Marine Science* 79, 1918-1930. Doi: [10.1093/icesjms/fsac128](https://doi.org/10.1093/icesjms/fsac128)
- 5) **Drerup C**, Cooke GM (2021) Shoaling behaviour in the European cuttlefish *Sepia officinalis*. *Ethology* 127, 1101-1108. Doi: [10.1111/eth.13226](https://doi.org/10.1111/eth.13226)
- 4) **Drerup C**, Jackson A, Rickard C, Skea M, Cooke GM (2021) Field observations on the behavioural ecology of the stout bobtail squid *Rossia macrosoma* (Cephalopoda: Sepiolidae) from Scottish Waters. *Marine Biodiversity* 51, 57. Doi: [10.1007/s12526-021-01202-y](https://doi.org/10.1007/s12526-021-01202-y)
- 3) **Drerup C** (2021) First detailed description of the burying behaviour of a bottletail squid, *Sepiadarium kochii* Steenstrup, 1881. *Molluscan Research* 41, 87-91. Doi: [10.1080/13235818.2021.1927464](https://doi.org/10.1080/13235818.2021.1927464)
- 2) **Drerup C**, How MJ (2021) Polarization contrasts and their effect on the gaze stabilization of crustaceans. *Journal of Experimental Biology* 224, jeb229898. Doi: [10.1242/jeb.229898](https://doi.org/10.1242/jeb.229898)
- 1) **Drerup C**, Sykes AV, Cooke GM (2020) Behavioural aspects of the spotty bobtail squid *Euprymna parva* (Cephalopoda: Sepiolidae). *Journal of Experimental Marine Biology and Ecology* 530-531, 151442. Doi: [10.1016/j.jembe.2020.151442](https://doi.org/10.1016/j.jembe.2020.151442)

PREVIOUS POSITIONS & INTERNSHIPS

- | | |
|-------------------|--|
| 12/2019 – 08/2020 | <u>Biocenter, Julius-Maximilians-University, Würzburg (Germany)</u>
Full-time research assistant, studying the spatial information processing and visual flower inspection behaviour of the hummingbird hawkmoth <i>Macroglossum stellatarum</i> . |
| 08/2019 – 09/2019 | <u>Marine Biological Association, Plymouth (UK)</u>
Internship on the processing of polarisation and intensity information in cuttlefish vision. |
| 02/2019 – 04/2019 | <u>Okinawa Institute for Science and Technology, Okinawa (Japan)</u>
Research project on the behavioural ecology of bobtail squid <i>Eumandya parva</i> . |
| 10/2018 – 12/2018 | <u>Ecology of Vision Lab, University of Bristol, Bristol (UK)</u>
Internship on the role of polarisation cues in the gaze stabilization of crustaceans. |
| 07/2018 – 09/2018 | <u>Ikeda Lab, University of the Ryukyus, Okinawa (Japan)</u>
Internship on the spawning sites of the oval squid <i>Sepioteuthis lessoniana</i> . |
| 09/2017 – 05/2018 | <u>Centre of Marine Sciences (CCMar), Faro (Portugal)</u>
Internship on the rearing sound environment of cephalopods and fish kept for aquaculture purposes. |
| 06/2017 – 07/2017 | <u>Hydrobiological Station Umberto D'Ancona, Chioggia (Italy)</u>
Internship on the cognitive mechanisms governing female choice for multiple male traits in the peacock blenny <i>Salaria pavo</i> . |