

# Curriculum vitae

## \* PERSONAL INFORMATION

*Family name, First name:	Dahlgren, Thomas		
*Date of birth:	05.08.1963	*Sex:	Male
*Nationality:	Swedish		

## \* HIGHER EDUCATION/OTHER TRAINING

	Subjects/degree/	Name of institution, country
2000	Zoology/PhD	University of Gothenburg, Sweden
1998	Zoology/Master	University of Gothenburg, Sweden

## \* POSITIONS (academic, business, industry, public sector, national or international organisations)

### Current Position

	Job title/name of employer/country
2010-	Research Professor, Norwegian Research Centre NORCE, Norway
2010-	Associate Professor, Researcher University of Gothenburg, Sweden

### Previous positions held (list)

	Job title/name of employer/country
2005-2009	Research fellow at Department of Zoology, University of Gothenburg.
2002-2005	<i>Postdoc</i> , Göteborg University. EU funded HERGEN project.
2000-2002	<i>Postdoc</i> Woods Hole Oceanographic Institution (WHOI). Financing by NSF grant.

## PROJECT MANAGEMENT EXPERIENCE (if applicable)

	Project/topic/role in project/funding from
2021-2024	NORCE, MetaBridge: Metabarcoding data in marine environmental monitoring - bridging the gap between science and management, PI, Norwegian Research Council (NFR)
2020-2022	Three year baseline investigations of deep-sea fauna in the eastern CCZ. PI. NAURU OCEAN RESOURCES INC and The Metals Company.

2018-2021	EU JPI-Ocean. Mining Impact II. Ecological aspects of deep-sea mining, Co-PI. Norwegian Research Council.
2017-2018	Exploration of Biodiversity and Ecosystem Structure at Seamounts in the Western CCZ. CoPI. NOAA
2016-2020	Ecosystem-Wide Survey of Biodiversity in CCZ. Co-PI. Gordon & Betty Moore Foundation.
2013-2021	Baseline study of deep sea mining contract areas in the Clarion Clipperton zone. Collaborative research project ABYSSLINE. Co-PI Lockheed Martin/UK Seabed Resources.
2018-2021	NORCE, High-throughput molecular methods for sediment monitoring (MetaMon), PI, Norwegian Research Council (NFR)
2014-2019	Uni Research (NORCE), Norwegian annelids in coastal nutrient rich habitats, PI, Norwegian Species Initiative.
2014-2017	University of Gothenburg, Ecological aspects of deep-sea mining, PI, Swedish Research Council FORMAS.
2009-2014	Uni Research (NORCE), NORCOWE WP5:3 Environmental Impact Assessment, PI, Norwegian Research Council (NFR)

**EXPERIENCE FROM NATIONAL/INTERNATIONAL COLLABORATION/NETWORKING** (if applicable)

	Activity or project / tasks and responsibilities / context/programme/framework of the collaboration and names of key partners (companies, institutions)
2022	«Ocean data in practice» The Mediated Ocean. Royal Technical University (KTH), Stockholm, 10-11 May. Invited speaker.
2022	“Managing a sustainable deep-sea ‘blue economy’ requires knowledge of what actually lives there” UTC Marine Minerals, Bergen June 14. Invited speaker.
2021	“Bioprospecting, Biodiversity and Novel Uses of Marine Resources”. Invited Keynote speaker. One day conference on BBNJ and genetic resources. University of Gothenburg. 30 March 2021. Invited speaker.
2020	ISA Workshop on Regional Environment Management Plan for the Mid Atlantic ridge. Swedish representative. 23 Nov – 4 Dec.
2020	UN Second World Ocean Assessment (WOA II), Chapter 70, Abyssal plains. Author.
2020	DeepGreen Nauru Ocean Resources Inc Project planning workshop and stakeholder meeting. Invited expert. San Diego Feb 2-4, 2020.
2019	International Seabed Authority (UNCLOS). Deep CCZ Biodiversity Synthesis Workshop. Invited expert and theme leader for biological connectivity. Friday Harbor, USA. Oct 1-4.

2019	Intergovernmental conference #3 BBNJ, UN Headquarters, New York. Advisor to the Swedish Delegation.
2014	International Seabed Authority (ISA). Invited expert on molecular methodologies for macrofauna classification. One week workshop in South Korea, October 2013.
2013	IEA International Energy Association. Wind Task 34. Norwegian representative for offshore wind energy.

## OTHER MERITS RELEVANT TO THE PROJECT

I have authored 89 peer reviewed scientific articles and book chapters with 3928 citations; **h-index: 36**; i10-index: 67 (Google Scholar). Selection of relevant papers are listed below.

2022 Bribiesca-Contreras G, **Dahlgren TG**, Amon DJ, Cairns S, Drennan R, Durden JM, Eléaume MP, Hosie AM, Kremenetskaia A, McQuaid K, O’Hara TD,.... Benthic megafauna of the western Clarion-Clipperton Zone, Pacific Ocean. *ZooKeys*, 1113, pp.1-110.

2021 Bribiesca-Contreras G, **Dahlgren TG**, Horton T, Drazen JC, Drennan R, Jones DOB, Leitner AB, et al. Biogeography and connectivity across habitat types and geographical scales in pacific abyssal scavenging amphipods. *Frontiers in Marine Science* 8 (27 July 2021): 705237.  
<https://doi.org/10.3389/fmars.2021.705237>.

2021 Jones DOB, Simon-Lledo E, Amon DJ, Bett BJ, Caulle C, Clément L, Connelly DP, **Dahlgren TG**, et al. Environment, ecology, and potential effectiveness of an area protected from deep-sea mining (Clarion Clipperton Zone, Abyssal Pacific). *Progress in Oceanography*, July 2021, 102653.  
<https://doi.org/10.1016/j.pocean.2021.102653>.

2021 Drennan R, Wiklund H, Rabone M, Georgieva MN, **Dahlgren TG**, AG Glover. *Neanthes goodayi* sp. nov. (Annelida, Nereididae), a remarkable new annelid species living inside deep-sea polymetallic nodules. *European Journal of Taxonomy* 760 (27 July 2021): 160–85.  
<https://doi.org/10.5852/ejt.2021.760.1447>.

2021 Hestetun JT, Lanzén A, **Dahlgren TG**. Grab what you can—an evaluation of spatial replication to decrease heterogeneity in sediment eDNA metabarcoding. *PeerJ* 9, e11619.  
<https://doi.org/10.7717/peerj.11619>

2021 Washburn TW, Menot L, Bonifacio P, Pape E, Blazewicz M, Bribiesca-Contreras G, **Dahlgren TG**, Fukushima T, Glover AG, Jong Ju S, Kaiser S, Hwan Yu O, CR Smith. Patterns of macrofaunal biodiversity across the Clarion-Clipperton Zone: an area targeted for seabed mining. *Front. Mar. Sci.* 01 April <https://doi.org/10.3389/fmars.2021.626571>

2020 UNIG (U.S.–Norway Intergovernmental Group on eDNA Implementation for Fisheries Stock Assessments and Management). Implementation of Environmental DNA (eDNA) as a Tool for Ecosystem-Based Fisheries Management. U.S. Department of Commerce, NOAA White Paper NMFS-NWFSC-WP-2020-01. <https://doi.org/10.25923/e736-vn83>

2021 UN Second World Ocean Assessment, Chapter 70, Abyssal Plains.

2020 Eilertsen, M.H., **Dahlgren, T.G.**, & Rapp, H.T. A New Species of *Osedax* (Siboglinidae: Annelida) From Colonization Experiments in the Arctic Deep Sea. *Frontiers in Marine Science*, 7, 443.

2020 Guggolz T, Meißner M, Schwentner M, **Dahlgren TG**, Wiklund H, Bonifácio P, A. Brandt. High diversity and pan-oceanic distribution of deep-sea polychaetes: *Prionospio* and *Aurospio* (Annelida: Spionidae) in the Atlantic and Pacific Ocean. *Organisms Diversity & Evolution*

2019 Rabone M, Harden-Davies H, Collins JE, Zajderman S, Appeltrans W, Droege G, Brandt A, Pardo-Lopez L, **Dahlgren TG**, Glover AG, Horton T. Access to Marine Genetic Resources (MGR): raising

- awareness of best-practice through a new agreement for biodiversity beyond national jurisdiction (BBNJ). *Frontiers in Marine Science, section Marine Affairs and Policy*. 6(520): 1-22
- 2019 Wiklund H, Neal L, Glover AG, Drennan R, Rabone M, **TG Dahlgren**. Abyssal fauna of polymetallic nodule exploration areas, eastern Clarion-Clipperton Zone, central Pacific Ocean: Annelida: Capitellidae, Opheliidae, Scalibregmatidae and Traviidae. *ZooKeys* 883: 1-82  
10.3897/zookeys.883.36193
- 2019 **Dahlgren TG**, Hammar L, Langhamer O. Monitoring invertebrates and fish. *In*: Perrow, M.R. (ed.) *Wildlife and Wind Farms, Conflicts and Solutions*. Volume 4. Offshore: Monitoring and mitigation. Pelagic Publishing, Exeter, UK.
- 2018 Taboada S, Riesgo A, Wiklund H, Paterson GLJ, Koutsouveli V, Santodomingo N, Dale AC, Smith CR, Jones DOB, **Dahlgren TG**, Glover AG. Implications of population connectivity studies for the design of marine protected areas in the deep sea: An example of a demosponge from the Clarion-Clipperton Zone. *Molecular Ecology* 7:16959–23
- 2018 Glover, AG, Wiklund, H, Chen, C, TG **Dahlgren**. Managing a sustainable deep-sea “blue economy” requires knowledge of what actually lives there. *eLife*, 7, pp. 9–7
- 2017 Taboada, S., Kenny, N.J., Riesgo, A., Wiklund, H., Paterson, G.L.J., **Dahlgren, T.G.**, A.G. Glover. Mitochondrial genome and polymorphic microsatellite markers from the abyssal sponge *Plenaster craigi*: tools for understanding the impact of deep-sea mining. *Marine Biodiversity*. 48(1): 621–630
- 2017 Swee-Cheng L., Wiklund H., Glover A.G., **Dahlgren T.G.**, T. Koh-Siang. A new genus and species of abyssal sponge commonly encrusting polymetallic nodules in the Clarion-Clipperton Zone, East Pacific Ocean. *Systematics and Biodiversity*. 15(6): 507–519
- 2017 Wiklund, H., Taylor, J.D., **Dahlgren, T.G.**, Todt, C., Ikebe, C., Rabone, M., Glover, A.G. Abyssal fauna of the UK-1 polymetallic nodule exploration area, Clarion-Clipperton Zone, central Pacific Ocean: Mollusca. *ZooKeys* 707:1-46
- 2016 Glover, A., **Dahlgren, T.**, Taboada, S., Paterson, G., Wiklund, H., Waeschenbach, A., et al. The London Workshop on the Biogeography and Connectivity of the Clarion-Clipperton Zone. *Research Ideas and Outcomes*, 2, e10528–47.
- 2016 **Dahlgren, T.G.**, Wiklund, H., Rabone, M., Amon, D.J., Ikebe, C., Watling, L., Smith, C.R., Glover, A.G. Abyssal fauna of the UK-1 polymetallic nodule exploration claim, Clarion-Clipperton Zone, central Pacific Ocean: Cnidaria. *Biodiversity Data Journal* 4: e9277
- 2016 Amon, D., Ziegler, A.F., **Dahlgren, T.G.**, Glover, A.G., Goineau, A., Gooday, A.J., Wiklund, H. Smith, C.R. First insights into the abundance and diversity of abyssal megafauna in a polymetallic-nodule region in the eastern Clarion-Clipperton Zone. *Scientific Reports* 6: 30492
- 2016 Glover, A., Wiklund, H., Rabone, M., Amon, D., Smith, C., O'Hara, T., Mah, C.L., **Dahlgren, T.G.** Abyssal fauna of the UK-1 polymetallic nodule exploration claim, Clarion-Clipperton Zone, central Pacific Ocean: Echinodermata. *Biodiversity Data Journal* 4: e7251–48.
- 2016 Glover AG, **Dahlgren TG**, Wiklund H, Mohrbeck I, & Smith CR. An End-to-End DNA Taxonomy Methodology for Benthic Biodiversity Survey in the Clarion-Clipperton Zone, Central Pacific Abyss. *Journal of Marine Science and Engineering*. 4(1), 2. [doi.org/10.3390/jmse4010002](https://doi.org/10.3390/jmse4010002)