

CV of THIBODEAU, Benoit

1. Academic Qualification

- (1) PhD. Environmental Sciences, Université du Québec à Montréal, 2011
- (2) M.Sc Earth Sciences, Université du Québec à Montréal, 2006
- (3) B.Sc Geology, Université du Québec à Montréal, 2003

2. Positions Held (Chronological Order)

- (1) Researcher, Academy of Sciences, Humanities and Literature, Mainz, Germany c/o GEOMAR (2013-2015)
- (2) Postdoctoral Fellow, Japanese Society for the Promotion of Science, The University of Tokyo, Kashiwanoha, Japan (2010-2013)

3. Research Areas Related to Ocean Science, Technology and/or Policy

Marine Biogeochemistry

Chemical Oceanography

Pollution

Paleoceanography

4. Funded Research Projects as Principal Investigator (PI), Co-PI or Co-Investigator (Co-I) over the Past 5 Years (Maximum 5 Projects):

- (1) General Research Funds | Research Grant Council | Hong Kong
Principal Investigator, 505 298 HKD, 2019-2022
Developing a high-resolution record of nitrogen isotopes in the sub-polar and polar North Atlantic during two key interglacial periods
- (2) Marine Ecology & Fisheries Enhancement Fund | Airport Authority | Hong Kong
Principal Investigator, 615 620 HKD, 2018-2019
Unravelling the strength behind the ecosystem resilience of Tung Chung mangrove: A high-resolution mapping of its food web
- (3) Collaborative Research Fund | Research Grant Council | Hong Kong

Co-Investigator, 3 804 007 (+3 800 000 matching) HKD, 2019-2022
SIRMS 2.0: Establishing Asia's premier stable isotope ratio mass spectrometry laboratory in Hong Kong

- (4) Tender Awarded | Agriculture, Fisheries and Conservation Department | Hong Kong
Co- Principal Investigator, 1 300 000 HKD, 2018-2020
Investigation of sediment provenance in Mai Po and Inner Deep Bay Area
- (5) Individual Research Grant | Deutsche Forschungsgemeinschaft | Germany
Principal Investigator, 45 600 € (445 000 HKD) 2014-2016
Unravelling the importance of the Laptev Sea system in the Arctic biogeochemical cycling of nitrogen

5. Five Key Publications over the Past 5 Years (*Corresponding author)

- (1) **Thibodeau B**, Not C, Zhu, J, A Schmittner, D Noone, C Tabor, J Zhang & Z Liu (2018)
Last century warming over the Canadian Atlantic shelves linked to weak Atlantic Meridional Overturning circulation. *Geophysical Research Letters*, 45 (22), 12376-12385
- (2) **Thibodeau, B**, Bauch HA and TF Pedersen. (2017) Stratification-induced variations in nutrient utilization in the Polar North Atlantic during past interglacials. *Earth and Planetary Science Letters* 457, 127-135
- (3) **Thibodeau B**, Bauch D and M Voss. (2017) Nitrogen dynamic in Eurasian coastal Arctic ecosystem: Insight from nitrogen isotope, *Global Biogeochemical Cycles* 31 (5), 836-849
- (4) **Thibodeau B**, Bauch HA and J Knies. (2018) Impact of Arctic shelf summer stratification on Holocene climate variability, *Quaternary Science Reviews* 191, 229-237
- (5) Doherty JM & **B Thibodeau*** (2018) Cold water in a warm world: Investigating the origin of the Nordic Seas' unique surface properties during MIS 11. *Frontiers in Marine Science*, doi.org/10.3389/fmars.2018.00251

6. Awards and Recognition

- (1) Associate Editor for Frontier in Marine Sciences: Marine Biogeochemistry
- (2) Fellowship for International Postdoctoral Research, Les Fonds québécois de la recherche sur la nature et les technologies (60 000\$)*declined - 2013
- (3) Japan Society for the Promotion of Science Postdoctoral Fellowship for Foreign Researchers. ¥8 688 000 (110 000\$) - 2010
- (4) Scholarship for international internship, Les Fonds québécois de la recherche sur la nature et les technologies (15 000\$) - 2010
- (5) European Consortium for Ocean Drilling Scholarship to attend ECORD Summer School (1 500€) - 2008