Curriculum Vitae

Name	Dr. Ian Salter
Date/Place of Birth	20th March 1981, Sheffield, United Kingdom
Marital Status	Married, 2 children
Nationality	British

1. Education and Studies

1986 – 1997	6 years primary school, 5 years secondary school (GCSEs)
1997 – 1999	2 years advanced education (A-levels)
1999 – 2002	3 years higher education (Bachelor of Science with Honours Chemistry with Oceanography University Liverpool, United Kingdom)
of 2003 – 2007	PhD National Oceanography Centre, Southampton, UK; supervisor Richard Lampitt "Particle Flux in the North Atlantic and Southern Ocean"

2. Positions

July 2017-present	*Tenured Professor*; Ministére de l'enseignement supérieur et de la recherche, Universitie Pierre et Marie Curie, Labarotoire Arago, Banyuls sur Mer. **Subject:** Role of plankton diversity in regulating regulating biogeochemical fluxes
May-2014 – May 2017	*Scientist* at Alfred Wegener Institut for Polar and Marine Research, HGF MPG, Joint Research Group Deep Sea Ecology and Technology Bremerhaven, Germany
April 2013 – April 2014 Virginia,	*Visiting Scholar* at Old Dominion University, United States. **Subject**: Degradation of natural POM by Arctic bacterial communities and functional ecology
Sep 2009-April 2014	*Tenured Professor*; Ministére de l'enseignement supérieur et de la recherche, Universitie Pierre et Marie Curie, Labarotoire Arago, Banyuls sur Mer. **Subject:** Role of plankton diversity in regulating regulating biogeochemical fluxes
Oct 2008 – Sep 2009	*Post-doctoral fellow;* (Universitie Paris 6) Labaratoire Arago, UPMC, Banyuls-Sur-Mer **Subject:** Analysis of bacterial community structure at a NW Mediterranean time-series station.
Oct 2007 – Sep 2008	*Post-doctoral fellow;* (NERC)

National Oceanography Centre, University, Southampton
Subject: Experimental design to ascertain unperturbed metabolic rates of bacterioneuston

3. Awards

2008 University of Pierre et Marie Curie Post-doctoral Fellowship

4. Teaching Experience

2009 – 2013 DISCO (UPMC) Microbial Biogeochemistry European Masters
2009 – 2013 QUALECO (UPMC) Indicators of water quality European Masters
2009 – 2013 ENVMON (UPMC) Environmental Monitoring European Masters
2012 Invited teacher at Austral Summer School, Concepcion, Chile

5. Administrative Responsibilities and Professional Services

- National co-ordinator for biological parameters for the French Coastal Time-Series Network (SOMLIT) http://somlit.epoc.u-bordeaux1.fr/fr/
- Scientific project manager NW Mediterranean Time-Series http://sooob.obs-banyuls.fr/fr/personnels_techniques/ian_salter.html
- Member of Scientific steering committee for LIA MOREFUN Banyuls-Concepcion - International Laboratory www.liamorefun.fr
- Member of Scientific steering committee for AtlantOS https://www.atlantos-h2020.eu/
- Associate committee member for Southern Ocean Observing System eEOV SCOR WG proposal
- Working group leader Frontiers in Arctic marine Monitoring (FRAM) multidisciplinary ocean observing system
- Permanent Member of Scientific Council of Laboratoire Arago
- Member of local evaluation committee for coastal boat fleet.
- Reviewer for national funding agencies : ANR (France), NERC (UK), NSF (USA)
- Journal Reviewer for: Polar Biology, Deep-Sea Research I and II, Limnology and Oceanography, Limnology and Oceanography Letters, Biogeosciences, Geomarine Letters, Journal of Environmental Radioactivity, Frontiers in Microbiology, ISME journal, Nature
- PhD Jury / committee : 2013-Aurore Mollevin, Universite d'Angers, 2014-Katsia Pabortsavia, 2017 – Nolwenn Lemaitre, Universitié de Bretagne Occidentale.

6. Supervision of Students and responsibility for technical staff

Masters students

2010: Aaron Hartnell:
Role of inorganic particles on microbial trophic dynamics

2016: Marion Farvoul:
Comparison of diatom counting techniques in sediment trap samples

PhD students – project supervision

2012 – 2016: Valentina Paz Valdés Castro **(co-supervisor)**:
Biogeochemical role of zooplankton in nitrogen and phosphorous cycling in the ocean. Cotutelle Universidad de Concepciòn (Chile) / Universitié Pierre et Marie Curie (France)

2013 – 2016: Mathieu Rembauville **(primary supervisor)**:
Importance of species diversity in regulating carbon and biomineral fluxes from iron-fertilised productivity in the Southern Ocean. Universitié Pierre et Marie Curie (France)

2014 – 2017: Andreas Rogge **(co-supervisor)**: *Nutrient fluxes from particles in polar environments*. University Bremen / Alfred Wegner Institute (Germany)

2016 – 2019: Eduard Fadeev **(primary supervisor)**: *Dynamics of particle-attached bacteria and Archaea in the Arctic Ocean*. University Bremen / Alfred Wegner Institute (Germany)

PhD students – committee supervision

2012 – 2016: Soumaya Boussabat: *Observation of plankton community structure and links with biogeochemical cycles of major elements (C, N, P, and Si) in the Gulf of Lion*.
Supervisor: Bernard Queguiner (Institut Méditerranéen d'Océanologie, France)

2015 – 2018: Helga van der Jagt: *The role of zooplankton in the biological carbon pump*.
Supervisor: Morten Iversen (MARUM, University Bremen)

PhD students – Thesis committee/examination

2013: Aurore Mollevin (Universitié d'Angers, France)
Biomass of planktonic foraminifer and their impact on the biological carbon pump.

2014: Katsiaryna Pabortsava (University of Southampton, UK)
Downward particle export and sequestration fluxes in the oligotrophic Atlantic Ocean.

Post-doctoral fellows

2016 – 2019: Christian Wolf (AtlantOS)
Use of autonomous samplers in an Automated Arctic Microbial Observatory.

Responsibility for technical staff

2010 – 2013: Cyrielle Tricoire (Universitié Pierre et Marie Curie, France), Technician for biological measurements in coastal time-series

2010 – 2013: Eric Maria (Universitié Pierre et Marie Curie, France)
Technician for chemical and physical measurements in coastal time-series site

2015 – 2018: Theresa Hargesheimer (Alfred Wegener Institute, Germany)
Technician for Arctic Microbial Observatory

2016 – 2018: Nadine Knüppel (Alfred Wegner Institute, Germany)
Technician 1 for Arctic particle flux observatory

2016 – 2018: Elizabeth Bonk (Alfred Wegner Institute, Germany)
Technician 2 for Arctic particle flux observatory

7. Funded Research Projects

Lead PI – Funded

2010 – 2012 POPPYMED (AO INSU LEFE-CYBER)
Uptake rates of phosphorous substrates by defined plankton functional groups.

2011 – 2012 MOLDIV (LOMIC Microproject)
Microbial diversity at time-series station in the NW Mediterranean

2010 – 2011 SEDPRES (LOMIC Microproject)
Optimisation of nucleic acid extraction chemistry in hyper-saline formaldehyde preservatives.

2013 – 2014 EXPLAIN (AO INSU LEFE-CYBER)
Export of Plankton functional types from Austral Island blooms naturally fertilized by iron.

2017-2019 COD-e-DNA (Fiskimálaráðið)
Environmental DNA as a diagnostic tool for tracking diversity and biomass of demersal fish with a special focus on Atlantic cod populations on the Faroe Bank.

2018-2020 FAMEOS (Granskingar raðið)
Integrating environmental DNA-based estimates of diversity with essential ocean variables

Co-PI/(Partner) Funded

2013 – 2014 PROMO (CONICYT-CNRS LIA)
Provenance and reactivity of organic matter in contrasting ecosystems.
(Lead PIs: Ruben Escribano and Fabien Joux)

2011 – 2014 KEOPS2 (AO-INSU)
Kerguelen Ocean and Plateau Compared Study.
(Lead PI: Stéphane Blain)

2010 – 2013 SPEciMed (AO-INSU MISTRALS)
Structures of Planktonic Ecosytems in the North-West Mediterranean.
(Lead PI: Bernard Quéguiner)

2014 – 2019 FRAM (Helmholtz Infrastructure Project) Frontiers in Arctic Monitoring.
WP4.1 (lead coordinator) Particle flux and autonomous sampler observatory
WP4.4 (co-coordinator) Nutrient Biogeochemical sensors
WP4.5 (co-cordinator) Microbial Observatory

2015 – 2019 AtlantOS (EU Horizon 2020)
Optimising and Enhancing the Integrated Atlantic Ocean Observing system.
WP3: Enhancement of autonomous observing networks
Task 3.1 Work Package Coordination
Task 3.2 OceanSITES biogeochemistry
WP6 Cross-cutting issues and emerging networks
Task 6.2 Common metrology and best practices

8. Peer-reviewed publications

Summary (google scholar: 02.09.2017)

Publications	28
In Review	1
Citations	1260
h-index	18
i10 index	22

In review

H. Hátún, J. Ólafsson, K. Azetsu-Scott, R. Somavilla, F. Rey, C. Johnson, M. Mathis, U. Mikolajewicz, P. Coupel, J-É. Tremblay, S. Hartman, S.V. Pacariz and **I. Salter**. The Subpolar gyre regulates silicate concentrations in the North Atlantic. In review at Nature Scientific Reports.

2017

28. Schiebel, R., Spielhagen R. F., Garnier, J., Hagemann, J., Howa, H., Jentzen, A., Martinez-García, A., Meilland, J., Michel E.,., Repschläger, J., **Salter, I.,** Yamasaki, M., Haug, G. Modern planktic foraminifers in the high-latitude ocean. **Marine Micropaleontology**, 136, 1-13. 2017.

27. Rembauville, M., **Salter, I.**, Dehairs, F., Micquel, J-C., Blain, S. Annual particulate matter and diatom export in a high nutrient low chlorophyll regime upstream of the Kerguelen Plateau. Polar Biology

2016

26. Constable A., et al. (**incl Salter, I**). Developing priority variables ("ecosystem Essential Ocean Variables" – eEOVs) for observing dynamics and change in Southern Ocean ecosystems. **Journal of Marine Systems**, 161, 26-41, 2016.

25**.** **Rembauville, M.*, Manno, C., Tarling, G.A., Blain, S., **Salter, I**. Strong contribution of diatom resting spores to deep sea carbon export fluxes in the naturally iron-fertilized waters downstream of South Georgia. **Deep-Sea Research Part I,** 115, 22-35, 2016.

24. **Rembauville, M.*, Blain S., Capparos J., **Salter, I**. Particulate matter stoichiometry driven by microplankton community structure in summer in the Indian Sector of the Southern ocean. **Limnology and Oceanography**. Early View DOI: 10.1002/lno.10291, 2016.

23. **Rembauville, M.*, Meilland J., Ziveri, P., Schiebel R., Blain, S., **Salter, I.** Planktonic foraminifer and coccolith contribution to carbonate export fluxes over the central Kerguelen Plateau. **Deep Sea Research Part I,** 111, 91-101, 2016.

2015

22. Galand, P., **Salter, I.**, Kalenitchenko, D. Ecosystem productivity is associated to bacterial phylogenetic distance in surface marine waters. **Molecular Ecology**

21. Kopf, A. *et al*. (**incl. Salter, I**) The ocean sampling day consortium. **Gigascience *Commentary*** 4:27, 2015.

20. *Rembauville, M., Blain, S., Armand, L., Quéguiner, B., **Salter, I**. Export fluxes in a naturally iron-fertilized area of the Southern Ocean – Part 2: Importance of diatom resting spores and faecal pellets for export. **Biogeosciences**, 12, 3171-3195. 2015

19. *Rembauville, M., ***Salter, I.***, Leblond N., Gueneugues A., Blain, S. Export fluxes in a naturally iron-fertilized area of the Southern Ocean – Part 1: Seasonal dynamics of particulate organic carbon export from a moored sediment trap. **Biogeosciences**, 12, 3153-3170. 2015

18. **Salter, I.**, Galand, P., Fagervold, S., Lebaron, P., Obernosterer, I., Oliver, M., Suzuki, M., Tricoire, C. Seasonal dynamics of active SAR11 ecotypes in the oligotrophic Northwest Mediterranean Sea. **The ISME Journal**, 2

2014

17. **Salter, I.**, Schiebel, R., Movellan, A., Lampitt, R.S., Wolff, G.A. Carbonate counter pump stimulated by natural iron fertilization in the Polar Frontal Zone Press **Nature Geoscience,** Advanced online publication 10 November 2014

2013

16. Hugoni, M., Taib, N., Debroas, D., Domaizon , I., Jouan Dufournel, I., Bronner, G., **Salter, I.**, Agogué, H., Mary, I., Galand, P. "Structure of the rare archaeal biosphere and seasonal dynamics of active ecotypes in surface coastal waters". **PNAS**

2012

15. **Salter, I.**, Kemp, A.E.S., Moore, C.M., Lampitt R., Wolff, G.A., Holtvoeth, J. "Diatom resting spore ecology drives enhanced carbon export from a naturally iron fertilized bloom in the Southern Ocean" **Global Biogeochemical Cycles**, Volume 26, DOI: 10.1029/2010GB003977 2012

2011

14. Hernandez-Sanchez, M., Planquette, H., Mills, R., Pancost, R., Hepburn, L., **Salter, I.**, Smith, T. "Quantifying export production in the Southern Ocean: implications for the Ba_{xs} proxy" **Paleoceanography**, Volume 26, DOI: 10.1029/2010PA002111, 2011.

13. **Salter, I**., Bottjer, D., Christaki, U., Catala, P. "Estimating the effect of inorganic particle concentration on virus-bacteria-flagellate dynamics" **Environmental Microbiology**, 13(10), 2768-2777, 2011.

12. Wolff, G., Billet, D., Holtvoeth, J., Bett, B., Fitzgeorge-Balfour, T., Fisher, E., Cross, I., **Salter, I.**, Boorman, B., Hughes, J., King, N., Jamieson, A., Bagley, P., Challain, F. "Natural iron fertilisation and the impact of enhanced carbon export on deep-sea ecosystems" **PLoS ONE**, 6(6) 10.1371/journal.pone.0020697, 2011

2010

11. **Salter, I**., Lampitt R., Kemp, A., Gledhill M. "The association between biogenic and inorganic minerals and the amino acid composition of settling particles" **Limnology and Oceanography**, 55(5), 2207-2218, 2010.

10. Lampitt, R., **Salter I**., de Cuevas, B.A., Hartman, S., Larkin, K.E., Pebody, C. "Long-term variability of downward particle flux in the deep Northeast Atlantic: causes and trends". **Deep-Sea Research II**, 57(15), 1346-1361, 2010.

2009

9. **Salter, I**., Zubkov, M.V., Warwick, P., Burkill, P. "Marine bacteria can increase the rate of evaporation and gas transfer by metabolising insoluble surfactants from the air-water interface" **FEMS Microbiology Letters**, DOI:10.1111/j.15746968.2009.01572 2009.

8. Lampitt, R., **Salter I**., Johns, D. "Radiolarian as major exporters of organic carbon". **Global Biogeochemical Cycles**, 23, GB1010, doi:10.1029/2008GB003221, 2009

7. Pollard, R., **Salter I**., Richard J. Sanders, R., et al "Natural Iron fertilisation enhances deep-water carbon flux in Southern Ocean". **Nature**, 457, 577-580, 2009

2008

6. Lampitt, R., Boorman, B., Brown, L., Lucas, M., **Salter, I**., Sanders, R., Saw, K., Seeyave, S., Thomalla, S., Turnewitsch, R. "Particle export from the euphotic zone: Estimates using a novel drifting sediment trap, ^{234}Th and new Production" **Deep-Sea Research I**, 55 (11) 1484-1502, 2008

2007

5. **Salter, I**., Lampitt, R., Sanders, R., Poulton, A., Kemp, A., Boorman, B., Saw, K., Pearce, R. "Estimating carbon, silica, and diatom export from a naturally fertilised phytoplankton bloom in the Southern Ocean using PELAGRA: A novel drifting sediment trap." **Deep-Sea Research II**, 54(18-20), 2233-2259, 2007.

4. Marsh, R., Mills, R., **Salter, I**., Green, D., Taylor, S. "Controls on sediment geochemistry in the Crozet Region." **Deep-Sea Research II**, 54(18-20), 2260-2274, 2007.

3. Planquette, H., Statham, P., Fones, G., Charette, M., Moore, M., **Salter, I**., Nedelec, F., Taylor, S., French, M., Baker, A., Mahowald, N., Jickells, T. "Dissolved iron in the vicinity of the Crozet Plateau." **Deep-Sea Research II**, 54(18-20), 1999-2019, 2007.

2. Charette, M., Gonneea, M., Morris, P., Statham, P., Fones, G., Planquette, H., **Salter, I**., Garabato, A. "Radium isotopes as tracers of iron sources fuelling a Southern Ocean phytoplankton bloom". **Deep-Sea Research II**, 54(18-20), 1989-1998, 2007.

2006

1. Kemp, A., Pearce, R., Grigorov, I., Rance, J., Lange, C., Quilty, P., **Salter, I.** "Production of giant marine diatoms and their export at oceanic frontal zones: Implications for Si and C flux from stratified oceans." **Global Biogeochemical Cycles** 20 (4): Art. No. GB4S04 OCT 13 2006.

9. International Conference Presentations (Lead Author)

Salter, I., Lampitt, R.S., Kemp, A.E.S (2004) Biogenic silica fluxes in the bathypelagic North-East Atlantic. 13-17 September 2004 Liverpool, Challenger Conference for Marine Science, University Liverpool/Proudman Oceanographic Laboratory (Oral).

Salter, I., Lampitt, R., Sanders, R., Boorman, B., Saw, K (2006) Estimating Particle Export from a naturally fertilised Iron Bloom in the Southern Ocean: PELAGRA, a novel drifting sediment trap. Challenger Conference for Marine Science, Oban, Scotland, UK (Oral).

Salter, I., Lampitt, R., Sanders, R. (2006) Diatom, carbon and silicon export from a natural iron fertilisation experiment. ASLO/AGU/TOS Ocean Sciences Meeting, 20-24 February, Honolulu, Hawaii, USA (Poster).

Salter, I., Pollard, R.T., Sanders, R., Lucas M., Statham, P., Lampitt, R.S. (2008) Deep-water carbon and diatom fluxes from a naturally iron-fertilised phytoplankton bloom in the polar frontal zone of the Southern Ocean. ASLO/AGU/TOS Ocean Sciences Meeting, 2-7 March, Orlando, Florida, USA (Oral).

Salter, I (2008) Particle flux in the northeast Atlantic and the Southern Ocean. Dissertations in Chemical Oceanography International Symposium (DISCO XXV) Honolulu, Hawaii (Oral).

Salter, I., Zubkov, M.V., Warwick P.E., Burkhill, P.H. (2009) Marine bacterioplankton can increase evaporation and gas transfer by metabolizing insoluble surfactants from the air-seawater interface. 22-23 June 2009 Paris, IMBER SOLAS Meeting (Oral).

Salter, I., Lampitt, R.S., Kemp, A.E.S., Wolff, G.A., Holtvoeth, J. (2009) The effect of diatom community structure on the biological carbon pump: Results

from a naturally-fertilised region of the Southern Ocean (2009). AGU Chapman Conference: Biological carbon pump of the Ocean, 1-4 September 2009, Brockenhurst, Hampshire, England.

Salter, I (2011) Diatom resting spore ecology drives enhanced carbon export from a naturally iron-fertilized bloom in the Southern Ocean. Modelling and Synthesis of Southern Ocean Natural Iron Fertilization. Woods Hole Oceanographic Institute, 27-29 June, Woods Hole, Massachusetts, USA. (poster).

Salter, I., Galand, P.E., Catala, P., Courties, C., Fagervold, S.K., Lebaron, P., Obernosterer, I., Oliver, M., Suzuki, M.T., Tricoire, C. (2014) Phosphorous utilisation by microbial populations in the NW Mediterranean. ASLO/AGU/TOS Ocean Sciences Meeting 23-28 February, Honolulu, Hawaii, USA.

Nielsdottir, Salter I., Normen Lochthofen, Laura Wischewski, Daniel Schotz, Eva-Maria Nöthig (2014) FRAM Ocean Observing System: planned efforts for integrated water column biogeochemistry. EGU, 13-17 April, Vienna, Austria.

Salter, I., Schiebel, R., Ziveri, P., Movellan, A., Lampitt, R., Wolff, G. (2015) Aquatic Sciences Meeting. Carbonate counter pump stimulated by natural iron fertilisation in the polar frontal zone. 22-27 February, Granada, Spain.

10. International and National Collaborations

(Project partners, co-authors on publications and proposals)

Australia
Armand, Leanne (Macquarie University, Australia)
Constable, Andrew (Australian Antarctic Division, Australia)
Trull, Thomas (CSIRO, Australia)

Africa
Lucas, Mike (University of Cape Town, South Africa)
Thomalla, Sandy (CSIR, South Africa)

Europe

Achterberg, Eric (Geomar, Kiel)
Beaton, Alexander (National Oceanography Centre, UK)
Blain, Stephane (Universitié Pierre et Marie Curie, France)
Catala, Philippe (Observatoire Oceanologique du Banyuls sur Mer, France)
Christaki, Urania (LOG, Wimereux, France)
Fagervold, Sonja (Observatoire Oceanologique du Banyuls, France)
Ganeshram, Raja (University of Edinburgh, UK)
Galand, Pierre (Observatoire Océanologique du Banyuls, France)
Gasol, Josep (Institut de Ciències del Mar-CSIC, Barcelona, Spain)
Gledhill, Martha (Geomar, Kiel)
Gregori, Gerald (Institut Méditerranéen d'océanologie, France)
Iversen, Morten (Marum, Bremen)
Kemp, Alan (National Oceanography Centre, UK)
Lampitt, Richard (National Oceanography Centre, Southampton)
Lebaron, Philippe (Observatoire Océanologique du Banyuls)

Leblond, Nathalie (Laboratoire d'Océanographie de Villefranche, France)
Leu, Eva (NIVA, Norway)
Mary, Isabelle (Clermont University, France)
Mahaffey, Claire (University of Liverpool)
Manno, Clara (British Antarctic Survey, UK)
Marie, Dominique (Station Biologique du Roscoff, France)
Mills, Rachel (National Oceanography Centre, UK)
Moreau, Herve (Laboratoire d'Océanographie de Villefranche, France)
Mowlem, Matthieu (National Oceanography Centre, UK)
Planquette, Helene (Université de Bretagne, Occidentale, France)
Pollard, Raymond (National Oceanography Centre, UK)
Poulton, Alex (National Oceanography Centre, UK)
Pujo-Pay, Mireille (Observatoire Océanologique du Banyuls, France)
Quéguiner, Bernard (Institut Méditerranéen d'océanologie, France)
Raimbault, Patrick (Institut Méditerranéen d'océanologie, France)
Sautor, Benoit (Universitié Bordeaux, France)
Savoye, Nicholas (Universitié Bordeaux, France)
Sanders, Richard (National Oceanography Centre, UK)
Schiebel Ralf (MPI für chimie, Mainz)
Statham, Peter (National Oceanography Centre, UK)
Stoeck, Thorsten (Ecology University of Kaiserslauten)
Tarling, Geraint (British Antarctic Survey, UK)
Torres-Valdez, Sinhue (National Oceanography Centre, UK)
Venables, Hugh (British Antarctic Survey, UK)
Wolff, George (University of Liverpool, UK)
Ziveri, Patrizia (Institut de Ciència I Tecnologia Ambientals, Spain)
Zubkov, Mikhail (National Oceanography Centre, Southampton

North America
Bottjer, Daniele (SOEST, Hawaii, USA)
Furhman, Jed (USC, CA, USA)
Harvey, Rodger (Old Dominion University, VA, USA)
Macgregor, Barbara (UNC, USA)
Lalande, Catherine (Universitié Lavale, Canada)
Oliver, Matthew (University of Delaware, USA)
Scholin, Christopher (MBARI, USA)
Ziervogel, Kai (University of New Hampshire, USA)

South America
Escribano, Rubens (Universidad de Concepción, Chile)
Pantoja, Silvio (Universidad de Concepción, Chile)
Fernandez, Camila (Universidad de Concepción, Chile)

11. Media Outreach

2015 "L'enrichissement den fer des oceans est moins efficase que prévu pour stocker le dioxide de carbone" La Recherche
2015 Sediment Traps in Iron Fertilization study McLane April Newsletter
2014 Press release
2014 "Eisendüngung nur bedingt wirksam" Interview Radio Bremen
2014 „Eisen in Meer hilft nicht" Frankfurter Rundschau
2014 "Zooplankton untergräbt Klimaeffekt durch Eisendüngung"
2014 "Study Casts Doubt on Iron Seeded Ocean carbon Storage" reportingclimatescience.org
2014 "Ferilizar océanos para que tengan más plankton no mitiga el cambio climático" El Periódico
2014 "Complexities of Carbon Lowering" The Scientist Magazine
2014 "Iron's mixed blessing for health of oceans" Eco Business
2014 "Favorecer el crecimiento de fitplancton no mitiga, como esperaban los cient"ABC.es
2014 "Los científicos cuestionan el aumento artificial de plankton en los océanos" La Razon (ESP)
2014 „Weniger gespeichertes Kohlendioxid durch Eisendünger?" Scinexx
2014 "Southern Ocean: Iron fertilization might be less efficient for deep-ocean carbon dioxide storage" Innovations Report
2014 "Southern Ocean: Iron fertilization might be less efficient for deep-ocean carbon dioxide storage" Justaforum
2014 "Southern Ocean: Iron fertilization might be less efficient for deep-ocean carbon dioxide storage" Informationsdients Wissenschaft
2014 "La fertilización de los océanos para mitigate el cambio climático puede ser menos efectiva de lo esperado" Servicio de Información y Noticias Cientificas
2014 "Iron fertilization less efficient for deep-sea carbon dioxide storage than previously thought?" Science Daily
2014 "Iron fertilization of the Southern Ocean might be less efficient for deep-ocean carbon dioxide storage than previously thought" Nanowerk

12. Research Cruise Experience

2004
RRS Charles Darwin (CD158) Northeast Atlantic Ocean, Porcupine Abyssal Plain. Sediment trap deployments and pelagic biogeochemistry.
(PI: Richard Lampitt)

2004/05
RRS Discovery (D285) CROZet circulation, iron fertilization and Export production experiment (CROZEX), Southwest Indian Sector of the Southern Ocean. Sediment trap deployments and pelagic biogeochemistry.
(PI: Richard Sanders)

2008
RRS Discovery (D332) WOCE hydrographic section AR7.
Pelagic biogeochemistry.
(PI: Sheldon Cooper)

2009-2012 (multiple)
Nereis II. Northwest Mediterranean. Microbial time-series work.
(PI: Ian Salter)

2013
USCG Healy (HLY1301) Hanna Shoal, Chukchi Sea, Arctic. Pelagic and sedimentary microbial biogeochemistry.
(PI: Lee Cooper)

2014
RV Polarstern (ARKXXVII/1 PS83) Fram Strait, Arctic. Sediment trap deployments and pelagic biogeochemistry.
(PI: Ingo Schewe)

2015
RV Polarstern (ARKXXIX/2 PS93.2) Fram Strait, Arctic. Sediment trap deployments and pelagic biogeochemistry.
(PI: Thomas Soltwedel)

2016
RV Polarstern (PS99) Fram Strait, Arctic. Sediment trap deployments and pelagic biogeochemistry.
(PI: Thomas Soltwedel)

13. Scientific Techniques and Skills

Autonomous Technology	*(i) Autonomous water samplers* McLane RAS-500 Greeneyes Aquamonitor *(ii) Sediment traps* McLane time-series sediment traps KUM time-series sediment traps Neutrally buoyant sediment traps
Cruise Gear	(i) CTD (ii) Marine Snow Catcher (iii) In-situ pumping systems (iv) Underway nutrient analysers
Analytical Skills	(i) Molecular biology techniques (ii) Organic geochemistry (iii) Inorganic particulate chemistry

14. Languages (Common European Framework of Reference for Languages)

English (Native)
French (Independent User – B2)
German (Basic User – A2)
Faroese (Basic User – A2)