

Gill Malin – Research Projects Current and Completed

CURRENT PROJECTS

The exploitation of microalgae

The Earth and Life Sciences Alliance (ELSA).

Principal Investigator: Gill Malin.

Co-Investigators: University of East Anglia: Mark Coleman (Biological Sciences); Bruce Tofield (Low Carbon Innovation Centre); John French (Research Enterprise and Engagement, InCrops). John Innes Centre Norwich: Ian Bancroft (JohnCrop Genetics), Alison Smith and Kay Denyer (Metabolic Biology); Institute of Food Research Norwich: Keith Waldron and Craig Faulds (Sustainability in the Food Chain Exploitation Platform).

Technical support: Rob Utting.

The production of ozone-depleting bromocarbon gases in near-shore Antarctic waters

NERC Antarctic Funding Initiative (AFI) Programme. NE/E013287/1

Principal Investigator: Peter Liss (University of East Anglia)

Co-Investigators: Gill Malin and Roland von Glasow (University of East Anglia) and Andrew Clarke (Biological Sciences Division, British Antarctic Survey).

Researcher Co-Investigators: Claire Hughes and Sue Turner.

Mortality rates in key phytoplankton functional types: the nature of cell death and its biogeochemical consequences

NERC Standard Grant. NE/E003974/1

Principal Investigator: Gill Malin

Researcher Co-Investigator: Dan Franklin

INSPIRE Investigation of near-surface production of iodocarbons – rates and exchanges

NERC UK-Surface Ocean Lower Atmosphere (SOLAS) Programme. NE/D006511/1

Principal Investigator: Gill Malin

Co-Investigators: Peter Liss, Manuela Martino and Claire Hughes (University of East Anglia), Phil Nightingale, Steve Archer, Tim Smyth, and Icarus Allen (Plymouth Marine Laboratory)

Physiological & molecular approaches to extend our understanding of the marine biogenic production of trace gases

Gill Malin NERC Advanced Fellowship NE/B501039/1

COMPLETED PROJECTS

Production of DMS and DMSP by coccolithophores: Is our current understanding an accurate reflection of the truth?

NERC Standard Grant NER/A/5/2002/00917.

Principal Investigator: Gill Malin.

Co-Investigators: Michael Steinke (University of East Anglia) & Jeremy Young (Natural History Museum, London).

Researcher: Dan Franklin

The Atlantic Meridional Transect Programme (AMT)

NERC Consortium Grant. NER/O/S/2001/00680.

Principal Investigator: Carol Robinson (Plymouth Marine Lab).

Co-Investigators: Jim Aiken, Roger Harris, Cliff Law, Nick Owens (Plymouth Marine Laboratory); Patrick Holligan, Peter Burkill, Richard Sanders, Mike Lucas, Mike Zubkov (National Oceanography Centre Southampton); Tim Jickells, Gill Malin, Peter Liss, Andy Watson (University of East Anglia); Sam Lavender (University of Plymouth); Rob Upstill-Goddard, Gunther Uher (University of Newcastle), Rick Williams, George Wolff (University of Liverpool).

Tied PhD Student University of East Anglia: Tom Bell.

The forgotten hormone: is ethene co-produced with DMS in marine algae?

NERC New Investigators award NER/M/S/2002/00122

Principal investigator: Michael Steinke

Collaborator: Gill Malin

Researcher: Ina Plettner

Influence of viruses on biogeochemical cycling

NERC Marine & Freshwater Microbial Biodiversity (MFMB) thematic programme.

NER/T/S/2000/00638 & NER/T/S/2000/00640

Principal Investigators: Willie Wilson (Marine Biological Association, Plymouth) and Gill Malin (University of East Anglia)

Researcher Marine Biological Association: Declan Schroeder

Tied PhD Student University of East Anglia: Claire Evans.

Do macroalgae influence trace gas emissions and atmospheric chemistry in coastal regions?

NERC Small Grant Connect B Programme. GR9/03597

Principal Investigator: Peter Liss.

Co-Investigators: Lucy Carpenter, Gill Malin and Wendy Broadgate.

Biogenic production of trace gases of atmospheric importance in marine waters

Gill Malin. NERC Advanced Research Fellowship. NERC GT5/98/8/MS

Microzooplankton trophodynamics and the production of dimethyl sulphide (DMS) in marine waters.

NERC Standard Grant. GR3/10956.

Principal Investigator: Peter Liss (University of East Anglia)

Co-Investigators: Gill Malin (University of East Anglia) and Peter Burkill (Plymouth Marine Laboratory).

Researchers: Michael Steinke (University of East Anglia) and Steve Archer (Plymouth Marine Laboratory).

NMR spectroscopy as a probe for organic precursors of atmospherically significant trace gases in marine phytoplankton cells.

NERC Standard Grant. GR3/10283

Principal Investigator: Peter Liss (University of East Anglia).

Researcher: Gill Malin.