

UK-Canada Arctic Partnership: 2017 Bursaries Programme

List of Projects

| APPLICATION DETAILS | | | | | |
|--------------------------------------|--|---|----------------------------|--|--|
| Applicant | Organisation | Project title | Theme area | Geographical area | Contact email address |
| Alison Cook | Durham | Glacier volume changes on eastern Baffin and Ellesmere Islands, Arctic Canada | Cryosphere | Canadian Arctic Archipelago | alison.cook@durham.ac.uk |
| Andrew Tanentzap | Cambridge | Loosening the pipes on the global carbon cycle: is fire releasing old carbon into receiving waters? | Terrestrial | North West Territories | ajt65@cam.ac.uk |
| Anne Jungblut | Natural History Museum, Life Sciences Department | Using historic and modern cyanobacteria to identify microbiomes as sentinels for Arctic environments | Terrestrial | 1) Cambridge Bay, Victoria Island, Nunavut (Canadian High Arctic Research Station, CHARs); 2) Whapmagoostui-Kuujuarapik, Hudson Bay in Nunavut, Quebec, Canada (Centre for Northern Studies (CEN)) | ajungblut@nhm.ac.uk |
| Christian Maerz | Leeds | Geochemistry of Arctic Sediments and its Impact on Microbial Oil Degradation | Marine | Canadian Arctic Ocean | c.maerz@leeds.ac.uk |
| Clara Manno | BAS | Synergistic impact of ocean acidification and microplastic on pteropods in the Canadian Arctic | Marine | Baffin Bay | clanno@bas.ac.uk |
| Frank Hailer | Cardiff | Polar bears (Ursus maritimus) in the Canadian Arctic: associations between individual genetic variability, gut microbiota and parasite diversity | Terrestrial (polar bears) | University of Moncton, Canada | HailerF@cardiff.ac.uk |
| Isla Myers-Smith | Edinburgh | Quantifying the drivers of rapid tundra vegetation change: Knowledge transfer between UEdinburgh and UVictoria for enhanced drone--based ecological monitoring in the western Canadian Arctic | Terrestrial | Arctic Yukon Territory and Northwest Territories | isla.myers-smith@ed.ac.uk |
| Jack Landy | Bristol | Quantifying dynamic-thermodynamic interactions within melting first-year sea ice | Cryosphere | Cambridge Bay | jack.landy@bristol.ac.uk |
| Jeff Warburton | Durham | Modelling permafrost slope stability and assessing the importance in sediment delivery to Arctic river systems | Cryosphere - permafrost | Cape Bounty, Nunavut | jeff.warburton@durham.ac.uk |
| Michael Lim | Northumbria | Quantitative analyses of permafrost cliffs | Terrestrial | Tuktoyaktuk Island and Northwest Territories, Canada | michael.lim@northumbria.ac.uk |
| Ming-Xi Yang | Plymouth Marine Laboratory | Volatile organic compounds in the surface ocean/lower atmosphere of the Arctic | Marine & atmosphere | Canadian Arctic | miya@pml.ac.uk |
| Dr Richard Essery and Dr Nick Rutter | University of Edinburgh and Northumbria University | Characterisation of Arctic snow for modelling microwave and thermal properties | Cryosphere and atmosphere | Trail Valley Creek, near Inuvik, NWT, Canada | nick.rutter@northumbria.ac.uk |
| Owen Weller | Cambridge | geological study of North Baffin Island, Nunavut, as part of a new bedrock mapping campaign being led in the region by the Geological Survey of Canada (Arctic Office summary title) | Terrestrial | North Baffin Island | ow212@cam.ac.uk |
| Pablo Gonzalez | Liverpool | Ice-landforms characterization and permafrost dynamics around the Pingo National Landmark, Tuktoyaktuk, Northwest Territories, Canada | Terrestrial and cryosphere | Tuktoyaktuk, North West Territories | pigonzal@liverpool.ac.uk |
| Robert Hilton | Durham | Erosion of old organic carbon in the Mackenzie River Basin | Terrestrial | Mackenzie River | r.g.hilton@durham.ac.uk |
| Thomas Brown | SAMS | Sustainability of Arctic Commercial Fisheries | Marine | Baffin Bay, Lancaster Sound, Canadian Arctic Ocean | thomas.brown@SAMS.ac.uk |
| Tiffany Barry | University of Leicester | Purtuniqu ocean crust isotope composition | Terrestrial | Purtuniqu, Cape Smith, E. Canadian Arctic | tlb2@leicester.ac.uk |
| Ursula Witte | Aberdeen | Continuous observation of deep-sea benthic community structure and benthic-pelagic coupling throughout the polar night and summer ice melt | Marine | Baffin Bay | u.witte@abdn.ac.uk |