

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