

Backgrounder

B-PR-18-05E

February 19, 2018

National Contaminants Advisory Group – Funded Projects

The National Contaminants Advisory Group works with external researchers from universities and other research organizations to better understand the biological effects of contaminants on our aquatic species.

Below is a list of recipients who received funding from Fisheries and Oceans Canada's National Contaminants Advisory Group in 2017-2018.

Recipient	Name of research project	Priority Issues	Years of research project	Funding contribution from DFO
Homarus Inc. – Dr. Dounia Daoud	Study of developmental effects of Salmosan® WP50 on lobster larval stages I through IV	Aquaculture	2017-2018	\$100,000
McGill University – Dr. Nathalie Tufenkji	Microplastics in the Canadian aquatic environment: Biological impacts and mechanisms to inform decision-making	Contaminants of Emerging Concern (Microplastics)	2017-2020	\$225,000
McMaster University – Dr. Joanna Wilson	The modifying effects of temperature on contaminant toxicity in Arctic and temperate fish species	Contaminants of Emerging Concern	2017-2020	\$225,000
Simon Fraser University – Dr. Chris Kennedy	The effect of anti-sea lice drugs and pesticides on marine benthic species	Aquaculture	2017-2020	\$193,000
Simon Fraser University – Dr. Chris Kennedy	The environmental effects of anti-sea lice pesticides on marine zooplankton	Aquaculture	2017-2020	\$202,000
Simon Fraser University – Dr. Chris Kennedy	The lethal and sublethal effects of anti-sea lice therapeutants on marine benthic and pelagic invertebrates	Aquaculture	2017-2018	\$100,000
Université du Québec à Montréal – Dr. Philippe Juneau	Effects of pesticides on ecologically relevant Arctic phytoplankton and zooplankton: comparison with temperate species responses and implications for standard toxicity tests for ecological risk assessments in Arctic waters	Pesticides	2017-2020	\$475,000



Université du Québec à Montréal – Dr. Jonathan Verreault	Bioaccumulation and effects of environmental contaminants in St. Lawrence Estuary belugas	Contaminants of Emerging Concern	2017-2020	\$365,000
University of Saskatchewan – Dr. Paul Jones	Potential impacts of modern perfluorinated chemicals on fisheries	Contaminants of Emerging Concern	2017-2020	\$225,000
University of Toronto – Dr. Chelsea M. Rochman	Sources, sinks and ecological effects of microplastics and their associated mixture of chemical contaminants to freshwater fish populations	Contaminants of Emerging Concern (Microplastics)	2017-2020	\$220,000
University of Victoria – Dr. Francis Juanes	Trophic transfer of microplastics in urban and rural coastal ecosystems	Contaminants of Emerging Concern (Microplastics)	2018-2020	\$131,000
McGill University – Dr. Jessica Head	Identification of priority contaminants and their potential effects on early-life stages of the endangered copper redhorse	Contaminants of Emerging Concern	2017-2020	\$230,000
Mount Allison University – Dr. K. Fraser Clark	Transcriptomic analysis of the effects of Salmosan® exposure on larval American lobster	Aquaculture	2017-2018	\$30,000
			Total	\$2,721,000