

JOB DESCRIPTION – MUSEUM RESEARCH SCIENTIST

Phycology

JOB PURPOSE

Conceive, plan, conduct and disseminate original collections-based systematic research on algae, relevant to the mandate of the CMN and the objectives of the Research and Collections Division.

MAIN DUTIES

Conceive and plan original biodiversity research

This includes elaborating hypotheses, discussions with and invitation of collaborators, developing a budget, applying for grants, and if applicable, obtaining comparative material from our museum and others.

Conducting the research

This includes gathering data through regular fieldwork, which involves putting together a field team, planning and reserving methods of transport, securing permits, supplies, tools, detailed examination of maps from the field, ability to spend up to 6 weeks being active in remote, environmentally harsh areas without amenities and limited communication, in order to collect data and specimens. Post-fieldwork may involve examination of specimens in the lab, analysis through statistical, phylogenetic and other methods as relevant to the particular field, supervising a Research Assistant, contractors, volunteers, COOP students, graduate students and postdocs, writing up manuscripts, extensive interaction with collaborators and journal editors.

Collaborate with the Curator of Botany

This includes working and consulting with the Curator to help in building better collections, by collecting natural history specimens to meet research objectives and those of the development of the collections. Involvement in improving the quality of the data of the collections is also warranted.

Dissemination of newly-acquired knowledge

This is accomplished by reaching out to various audiences through different means that include peer-reviewed publications in primary journals, non-reviewed popular publications and blogs geared towards the general public, scientific presentations at conferences, talks to the public given at the museum, at schools, interviews given for the print, radio and TV media, and postings through social media venues.

Corporate Activities

Actively participating in programs as appropriate and providing assistance and advice on scientific matters to other sectors of the museum (Marketing and Media Relations, Development, Programs, Exhibits, Collections, etc.). Contributing to corporate planning and

support programs through reporting and other administrative frameworks; e. g. Human Resources forms for leave, work planning, and appraisals, and quarterly reporting, and project research project proposals.

Professional Activities outside the museum

Serving on scientific committees and panels, editorial boards, reviewing scientific papers and grant applications, participating within university departments, supervising graduate students, and post-doctoral fellows, etc.