Ladd Macaulay Graduate Fellowship in Salmon Fisheries Research

Application Deadline: 16 January 2016

The Ladd Macaulay Graduate Fellowship in Salmon Fisheries Research is funded through an endowment and donations provided to the University of Alaska by Douglas Island Pink and Chum, Inc. (DIPAC), a private non-profit salmon enhancement organization based in Juneau, Alaska. The fellowship will support a fellowship, beginning in Fall 2015, for graduate studies in Fisheries at the University of Alaska Fairbanks (UAF) Juneau Center for Fisheries and Ocean Sciences. Funding is for an incoming (prospective) graduate student and will cover standard graduate stipend, tuition/fees, and health insurance for up to three years; second and third year funding is conditional on successful annual progress. Selection is competitive.

Selection Criteria and Guidelines

A. The proposed project should address one of the following:

1. Hatchery/Wild Interactions, e.g.,
   a) Genetic, ecological, and harvest interactions
   b) Supplementation of sockeye salmon lakes
   c) Sustainability of hatchery and wild production
   d) Economics of hatchery and wild production systems
2. Marine Survival and Ocean Carrying Capacity, e.g.,
   a) Marine survival and wild stock production in relation to environmental factors for sockeye and chum salmon in SE Alaska
   b) Research on the carrying capacity of the Gulf of Alaska for wild and hatchery salmon
3. Salmon Fisheries Management in Southeast Alaska, e.g.,
   a) Improved escapement estimates and monitoring
   b) Management of mixed stock fisheries with high harvest of DIPAC fish (Taku Inlet, Lynn Canal)
   c) Stock identification of sockeye salmon in northern SE Alaska gill net and seine fisheries
   d) Migration routes of DIPAC fish into Northern SE Alaska fisheries and terminal harvest areas
4. Hatchery Technology and Enhancement Strategies, e.g.,
   a) Research to improve the efficacy or efficiency of hatchery operations
   b) Brood stock management: mating strategies to maintain genetic diversity and phenotypic characteristics of hatchery stocks

B. The proposed project should contribute to the long-term productivity, sustainability, and profitability of SE Alaska salmon fisheries.

C. The proposed project should make a unique and substantive contribution to existing knowledge.

Proposal Format & Submission Instructions

Proposals are limited to four (4) pages (excluding faculty advisor endorsement) and must be submitted in pdf format via email to gdhazelton@alaska.edu no later than 5:00pm Alaska Time on 16 January 2015. Proposals that do not conform to submission guidelines or deadlines will not be reviewed. Proposals should include six sections:

1. Objectives—A succinct statement of project goals
2. Background and need—What is the current state of knowledge regarding the proposed research topic; how will the project extend current knowledge and contribute to the long-term productivity, sustainability, and profitability of SE Alaska salmon fisheries?
3. Methods—How do you propose to address the project objectives?
4. Timeline/milestones—When will you accomplish major elements of the project?
5. Budget—this does not need to be detailed, but should identify any need for specialized facilities or field resources, the anticipated cost of genetic, chemical, or other specialized analyses, the cost of feeds and other specialized treatments for studies involving live fish, etc.
6. Current and pending support—Do you have current or pending support that will contribute to successful completion of the proposed project?
7. Faculty advisor endorsement (attach separately)—This letter must be from a member of the UAF Fisheries Division faculty (https://www.sfos.uaf.edu/fishdiv/people/faculty.html).