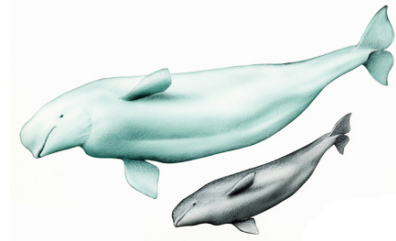




Oregon State
University



31 October, 2017

POSITION ANNOUNCEMENT
Postdoctoral Scholar
Epigenetic aging of beluga whales by next-generation sequencing

The Marine Mammal Institute of Oregon State University invites applications for a full-time (1.00 FTE), 12-month, fixed-term Postdoctoral Scholar position funded by a grant from the North Pacific Research Board (NPRB). Reappointment is conditional on funding and at the discretion of the Unit Head. This position will help validate methodology for epigenetic aging of cetaceans using next-generation sequencing to measure the levels of cytosine methylation in candidate genes. The assay will be calibrated using a large set of samples with estimated ages from growth-layer groups in teeth. The age assay will then be applied to biopsy samples from living beluga whales of unknown age to better understand the life history and age structure of the endangered Cook Inlet population of beluga whales. Depending on funding, the incumbent will extend the methods developed for the beluga to other species, subspecies or populations of cetaceans.

The position is located at the Hatfield Marine Science Center in Newport, Oregon where the Scholar will work with Scott Baker in the Cetacean Conservation and Genomic Laboratory and, remotely, with collaborators, Paul Wade (NOAA), Simon Jarman (Curtin University) and Steve Horvath (UCLA).

Required qualifications include a PhD in biological sciences (genetics, ecology or evolution), with an emphasis in molecular ecology, genomics, bioinformatics, statistics or population modeling, and demonstrated publication record. The PhD must have been awarded within the last five years. Preferred qualifications include experience with programming and management of large datasets typical of next-generation sequencing.

The minimum stipend for a candidate with no prior postdoctoral experience is \$47,484/year with annual increments for experience following NIH guidelines.

Starting date is approximately January 15, 2018 (negotiable).

For the full announcement and instructions for application, see <http://gradschool.oregonstate.edu/postdocs/open-positions>

For further information, contact Scott Baker by email, using the subject 'NPRB beluga postdoc information'
email: scott.baker@oregonstate.edu