

POSTDOCTORAL RESEARCHER

Washington State University

School of Biological Sciences

We are seeking a postdoctoral researcher with expertise in evolutionary modeling to join our diverse, international team studying Tasmanian devils and Tasmanian devil facial tumor disease, a transmissible cancer. This NSF-funded collaboration builds on over 20 years of mark-recapture studies tracking the spread of the unique transmissible tumor across Tasmania and consequent endangerment of the iconic Tasmanian devil. As the top predator in Tasmania, devil declines have altered the native mammal community via trophic cascades. This project bridges ecology and evolution to predict future community dynamics that result. The successful applicant will have an unprecedented opportunity to analyze tens of thousands of mark-recapture records, thousands of devil genotypes and hundreds of tumor genomes sampled both before and after epizootics to: model coevolutionary dynamics, predict phenotypic evolution of Tasmanian devils aided by pedigree reconstruction, and assist conservation decision-making by modeling alternative management scenarios. The position is centered in the lab of Dr. Andrew Storfer (<https://storfer-lab.org/>) at Washington State University, with the possibility for scholarly exchanges with University of South Florida, University of Tasmania and Griffith University in Australia.

Review of applications will begin on April 15, 2022 and continue until the position is filled. A Ph.D. in Biology or a related discipline, combined with strong quantitative skills and modeling experience is required. Desired qualities also include experience in host-pathogen systems, population genetics/ genomics analysis, and quantitative genetics modeling. Start date is negotiable but is anticipated to begin by September 1, 2022. Salary and benefits are competitive. Position is for 1 year, with continuation possible for additional year(s). To apply, please send in pdf format a CV, names and email addresses of 3 references, a research statement, and up to 3 representative reprints via email to: Andrew Storfer (astorfer@wsu.edu). Inquiries prior to application are also encouraged.

WSU is an Equal Opportunity/Affirmative Action/ADA educator and employer.