

A postdoctoral associate position is available in the Jones Lab at the University of Notre Dame. This position is part of a recently funded NSF Dimensions of Biodiversity project that will support research in bacterial trait-based ecology. Work will be in collaboration with Drs. Jay Lennon and Ken Locey at Indiana University-Bloomington.

We are seeking a creative and quantitative Ph.D. with significant research experience in ecological informatics, bioinformatics, phylogenetic ecology, or microbial genomics. We expect applicants to have demonstrable experience in one or more of the previously mentioned fields, including substantial publications in peer-reviewed journals. We encourage applications from scientists willing to participate in open-access tool development and publishing.

The successful applicant will collaborate with graduate students, post docs, and faculty associated with the project to address fundamental questions surrounding the generation and maintenance of microbial diversity. The research agenda is flexible, but could include analysis of microbial phenotypic and genomic trait data, investigation of phylogenetic signal in microbial trait or species composition data, and development and implementation of analytical or simulation models of microbial species interactions, including trait tradeoffs. Finally, the opportunity to conduct laboratory studies with a diverse collection of environmental bacterial isolates, including trait characterization, competition assays, and rapid evolution experiments, would be encouraged, if this was of interest to the successful applicant. Funding for 2+ years is available contingent upon satisfactory research progress.

The University of Notre Dame offers excellent facilities and resources including the Genomics Core Facility, the Notre Dame Environmental Change Initiative, and University of Notre Dame Environmental Research Center (UNDERC). Start date is flexible, but review of applications will begin on December 1st, 2014.

Applicants should send one single pdf with a cover letter explaining their research experience and future interests and a CV, plus the names of at least three references, to [sjones20@nd.edu](mailto:sjones20@nd.edu). Please put "Ecological Informatics Application" in the subject line. The University of Notre Dame is an equal opportunity employer with a strong institutional and academic commitment to diversity.

Do not hesitate to contact me with any questions:

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