From: Mac Calvert
Subject: Postdoctoral fellow in ecological and adaptation genomics at UC-Denver

The Ragland lab at the University of Colorado, Denver is searching for a postdoctoral fellow to conduct research on the genomic architecture of adaptive, complex phenotypes, and on the evolution of gene regulatory networks. This is a flexible position that will contribute to ongoing, NSF-funded research on 1) seasonal adaptation in the Rhagoletis pomonella species complex and associated parasitoid communities, a model for ecological and cascading speciation via seasonal isolation, 2) the role of developmental pleiotropy and regulatory network structure in constraining thermal adaptation in Drosophilid species, and 3) leveraging genetic markers to predict phenology and voltinism in forest pest species. For more information see https://urldefense.proofpoint.com/v2/url?u=https-3A__raglandlab.wordpress.com&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxhcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeaTyN59ZLoI&m=YndXUm-1OQBBrmqfPlztI-5rKcMQGZxCKKjFJgL_jpM&s=4S0eG9jBJ-W7clbVe3N3vIvQripA0_RzhSZSyyV4JKU&e= .

In addition to current research priorities, the selected candidate will have ample opportunity to develop new studies and research directions in these and possibly other systems. Many projects in the lab are collaborative, and there will be opportunities to interact with collaborators at the University of Notre Dame, University of Florida, and BOKU Vienna.

In general, I would like to recruit an enthusiastic postdoc who can interface well with other lab members with diverse interests in ecology, evolution, physiology, and genetics, and who will be willing to tap into resources on both of our downtown and medical campuses. More specifically, the successful candidate will have a Ph.D in Biology, Computer Science, or a closely related field with a strong background in evolutionary biology or comparative physiology. A background in the application of statistical models (e.g., glm, mixed models, multivariate analysis) is required, as is experience with Linux command line environments and scripting languages (R, python, perl). Wet lab experience with nucleic acids and the preparation of Next Generation sequencing libraries is preferred. Candidates should also demonstrate evidence of successful communication of results through published manuscripts, conference presentations, or related activities.

The University of Colorado, Denver, hosts a vibrant community of life science researchers on both the downtown Auraria campus and the Anschutz medical campus, including an active postdoctoral association (https://urldefense.proofpoint.com/v2/url?u=http-3A__www.ucdenver.edu_faculty-2Dstaff_postdoctoral_ucdpostdoctoralassociation_Pages_default.aspx&d=DwIF-g&c=Ngd-ta5yRYsqeUsEDgxhcqsYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeaTyN59ZLoI&m=YndXUm-1OQBBrmqfPlztI-5rKcMQGZxCKKjFJgL_jpM&s=SEkWZoFwXMDOTrKbOh3V54D_fCZiaIDuBe_99r5WC-I&e=). The Department of Integrative Biology spans cell, molecular, ecological, and evolutionary research, with strengths in ecological physiology, molecular genetics, and developmental biology. Denver is a fantastic and progressive city with endless possibilities for outdoor activities, well-developed public transportation and cycling infrastructure, and excellent museums, theaters, restaurants, and breweries.

 Please submit a cover letter including research interests and addressing the desired qualifications, curriculum vitae, and contact information, including e-mail addresses of at least three references by email to Greg Ragland (Gregory.ragland@ucdenver.edu). Screening of applications begins July 1, 2017 and will continue until a suitable candidate is found.