Postdoctoral Position — University of Virginia

The Parichy lab at University of Virginia invites applications for the position of postdoctoral scholar in the broad area of development, genetics and evolution of adult phenotypes. We are particularly interested in candidates to study mechanisms of cell signaling and morphogenesis, and how gene regulatory networks have evolved, during formation of adult pigment pattern in zebrafish and its relatives.

Additional topics of interest include lineages, states and regenerative potentials of post-embryonic neural crest derived stem cells, signaling during skin and skin appendage development, and other aspects of adult morphology. Because the group has very diverse interests and flexible funding, we are open to a variety of areas and study organisms, and postdocs are encouraged to develop their own independent programs.

The lab uses cutting edge approaches including single cell transcriptomics, super-resolution and time-lapse imaging, forward and reverse genetics, and others. We are equipped with extensive, lab-dedicated instrumentation for next generation sequencing, as well as microscopy, and gene expression analysis, and we occupy our own independent fish facility, all of which provide unusual opportunities for exciting science.

Our work has appeared in Science, PNAS, eLife, Current Biology, PLoS Genetics, Development and elsewhere.

See our website (http://dparichy.as.virginia.edu) for more information about the group, environment, and publications. Applications from individuals having diverse backgrounds or non-traditional career paths are always welcome. Please direct enquiries to Professor David M. Parichy (dparichy@virginia.edu), and be sure to include a CV and a cover letter describing your research interests and postdoctoral goals.

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