

# Fully Funded Postdoctoral Position – Epigenetics of Development, National Institute of Child Health and Human Development (NICHD), Bethesda, MD

A fully funded postdoctoral position is available to study epigenetics of development in the zebrafish and in complementary cavefish, mouse, and cell culture models in the laboratory of Dr. Brant Weinstein in the NICHD Division of Developmental Biology (DDB) in Bethesda, Maryland. The Weinstein laboratory uses a variety of molecular, cellular, genetic, transgenic, microscopic imaging, and next-gen sequencing approaches to study the role of epigenetics during development. For examples of some of our recent work in this area please see:

Epigenetic regulation of hematopoiesis by DNA methylation: <https://www.ncbi.nlm.nih.gov/pubmed/26814702>

An epigenetic mechanism for cavefish eye degeneration: <https://www.ncbi.nlm.nih.gov/pubmed/29807993>

Current projects include the first-ever large-scale forward-genetic screen in a vertebrate for genetic mutants causing defects in tissue-specific epigenetic regulators. This highly successful ongoing screen uses novel transgenic epigenetic reporter lines and next-gen sequence technologies to identify novel vertebrate epigenetic regulatory factors.

The scientific environment, resources, and stipend support for this position are superb. For additional information on the Division of Developmental Biology and the Weinstein Lab, see <https://science.nichd.nih.gov/confluence/display/svo/Home>

Interested applicants should have a Ph.D. or M.D. and less than 3 years' postdoctoral experience. Applicants possessing both a strong biological research background and some experience with NGS data analysis (e.g., RNA-seq, ChIP-seq, Bisulfite-seq, etc.) are encouraged to apply. To apply, send a curriculum vitae, bibliography, cover letter with a brief description of research experience and interests, and the names of 3 references (with phone numbers) via e-mail to [weinsteb@mail.nih.gov](mailto:weinsteb@mail.nih.gov) and to [amy.parkhurst@nih.gov](mailto:amy.parkhurst@nih.gov)

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