

POSTDOCTORAL POSITION IN TISSUE REGENERATION

The Dr. Kang lab at the University of Wisconsin – Madison is seeking an outstanding and talented Postdoctoral Research Scientist with a Ph.D. trained in, but not limited to, developmental biology, molecular biology, tissue regeneration, or animal genetics. The projects will focus on tissue regeneration using zebrafish as a model system. These projects will utilize established genetic zebrafish strains, discovered by forward genetics or generated by genome editing technique, and a wide range of molecular, cellular, biochemical and genetic approaches. The research goals are to identify novel regeneration-associated genes and to understand how injury signals are transduced to trigger tissue regeneration programs. This position will be supported by the NIH fund.

The positions require experience with biological and biochemical techniques (subcloning, PCR, western blot, CRISPR/Cas9), imaging skills (*in vivo* imaging, confocal imaging, immunofluorescence, *in situ* hybridization, etc.) and/or genomic skills (RNA-seq, ChIP-seq, ATAC-seq, and scRNA-seq). Experience in zebrafish or animal models is preferred, but not required. Successful applicants will be highly motivated with good communication skills, interest and experience in tissue regeneration research, a proven publication record, and the ability to work independently. The proposed training will be conducted at University of Wisconsin – Madison, WI, USA. For further information about the Kang Lab, visit our website <https://kang.crb.wisc.edu/>.

The hiring salary for this position will be set according to NIH guidelines, with travel funds available to attend national or international meetings. A multi-year commitment to post-doctoral training is expected.

To Apply: Interested individuals should email their CV, statement of research interests, and contact information for three references to Junsu Kang (junsu.kang@wisc.edu).

About PI: Dr. Junsu Kang is a developmental geneticist to study tissue regeneration. During postdoc training, he was trained in zebrafish regeneration and published *Developmental Cell* and *Nature* papers as a first author. In Oct 2017, he began an independent research career as an Assistant Professor in the Department of Cell and Regenerative Biology (CRB) at the University of Wisconsin - Madison. His group is working to discover new regeneration genes and to dissect regulatory mechanisms underlying regeneration enhancers. Recently, he has awarded NIH R35 MIRA and R01 grants for fin and heart regeneration projects. Dr. Junsu Kang's CV can be found in https://kang.crb.wisc.edu/wp-content/uploads/sites/722/2018/07/2020-Dec-Junsu-Kang_CV.pdf. A full publication record can be found in <https://www.ncbi.nlm.nih.gov/myncbi/junsu.kang.1/bibliography/public/>.

Information of Madison can be found in <https://gradlife.wisc.edu/housing-and-transportation/>, <https://gradlife.wisc.edu/living-in-madison/>, and <https://uwpa.wisc.edu/>.