



Job Title: Postdoctoral Researcher - Research on Adeno-Associated Virus (AAV) Vector Biology and Capsid Engineering for Gene Therapy for Human Diseases Including Type I Diabetes

Job Description:

The Department of Molecular & Medical Genetics at Oregon Health & Science University (OHSU) in Portland, Oregon, is seeking an enthusiastic and highly motivated post-doctoral fellow to study adeno-associated virus (AAV) and its application for human gene therapy in the lab, led by Professor Hiroyuki Nakai, M.D., Ph.D. Specifically, the lab is looking for a post-doctoral researcher who can effectively lead several projects, including a multi-PI (MPI) NIH project " U01DK123608 (MPIs: Nakai, Grompe and Kay): Gene Therapy for Diabetes." We seek to develop clinically relevant novel AAV vectors and methods for in vivo regeneration of insulin-secreting beta cells in rhesus macaques and understand the mechanisms behind the technologies. The main research focuses of the Nakai lab are: (1) AAV vector biology - capsid assembly, genome packaging, and virus-host interactions in rodents and non-human primates; (2) AAV antigen-antibody interactions; (3) developing novel vectors by engineering of AAV capsids; and (4) preclinical studies of gene therapy for the treatment of various human diseases including type I diabetes. The lab takes a multidisciplinary approach to solving these problems, utilizing both wet and dry lab techniques. The lab is a part of the Human Islet Research Network (HIRN) supported by the NIH NIDDK. The successful candidate will join a multidisciplinary collaborative team and participate in global collaboration in the HIRN community, with the ultimate goal of developing AAV gene therapy for type I diabetes. The successful candidate will also contribute to the training of graduate, undergraduate, and high school students, as well as research staff.

Salary Range:

OHSU sets the salary scale following the current NIH Kirschstein-NRSA stipend levels.

How to apply:

Please send a cover letter and C.V. to

Hiroyuki Nakai, M.D., Ph.D.

Distinguished Professor in Molecular Medicine

Departments of Molecular & Medical Genetics and Molecular Microbiology & Immunology

Oregon Health & Science University School of Medicine

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Oregon Health & Science University values a diverse and culturally competent workforce. We are proud of our commitment to being an equal opportunity, affirmative action organization that does not discriminate against applicants on the basis of any protected class status, including disability status and protected veteran status. Individuals with diverse backgrounds and those who promote diversity and a culture of inclusion are encouraged to apply. To request reasonable accommodation, contact the Affirmative Action and Equal Opportunity Department at 503-494-5148 or aaeo@ohsu.edu.