



Post-Doctoral Fellowship positions in the Kulkarni Lab at [Joslin Diabetes Center, Harvard Medical School](#). Two positions are available immediately for a period of 3 years each. For both positions applications are invited from individuals with a PhD or MD or MD PhD degrees. 1) The first position is for training in exciting projects focused on **Metabolism** such as defining pathways and identifying mechanisms that regulate pancreatic (endocrine and exocrine) biology including inter-organ cross-talk in the overall maintenance of glucose homeostasis. The projects will utilize including induced pluripotent stem cells, genetically engineered and humanized mouse models. Topics are flexible - some examples include growth factor (e.g. insulin/IGF-1) signaling, mRNA modifications and stem cell biology. Candidates should have a strong background in molecular biology, cell biology (stem/iPS cells) and biochemistry. It is an advantage if candidates have the ability to interrogate “omics” and sequencing datasets. Candidates should possess skills or be willing to learn handling human islets, in vivo animal studies, rodent islet isolation and immunostaining. 2) For the second position candidates with expertise in **Bioinformatics** will be especially relevant. Prospective candidates should have expertise in handling large ‘omics’ databases and be willing to work closely with other Fellows in the lab to assist in analyses of biological data from diverse projects. Candidates will also be encouraged to develop their own research interests. Applicants for both positions should provide a brief statement of research interests, CV, and the names of three references to [Dr. Kulkarni](#).