

## Postdoctoral position – Beta cell neogenesis

Hubrecht Institute, Utrecht, The Netherlands

Applications are invited for a postdoctoral position to study beta cell neogenesis as a therapy for diabetes. A decreased beta cell mass or the incapability of the beta cell mass to compensate for increased insulin needs results in an absolute (type I) or relative (type II) deficiency of insulin defining type I and type II diabetes, respectively. Our research group aims for alternative beta cell sources to compensate the reduced beta cell mass in diabetes by beta cell transplantation or by *in situ* differentiation and expansion of beta- and pre-beta cells. We therefore investigate mechanisms to generate new, fully functional beta cells by (i) protection and proliferation of existing beta cells, (ii) differentiation of endogenous progenitor/stem cells and regeneration of the beta cell mass and (iii) reprogramming of pancreas non-beta to beta cells.

The Hubrecht Institute (<http://www.hubrecht.eu/>) offers strong research profiles in basic developmental and stem cell biology. The proposed research will be in direct collaboration with the Beta cell neogenesis unit (<http://bene.vub.ac.be/>) of the Diabetes Research Center in Brussels that offers excellence in beta cell biology and translational research in diabetes. Our research group is partner of the JDRF Center for Beta Cell Therapy in Diabetes (<http://www.betacelltherapy.org>) and the Beta Cell Biology Consortium-NIDDK (<http://www.betacell.org>).

Positions will be for 2+3 years (immediately starting) with possible extension. Experience in molecular biology and stem cell biology is required. Expertise in stem cell and developmental biology of the beta cell and in preclinical models for diabetes is an advantage but potential for scientific excellence will be the primary selection criterion.

Applicants should send their CV, list of publications, concise description of current research and career goals, and names of three references to:

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BetaCellNeogenesis Unit  
partner of  
JDRF Center for Beta Cell Therapy in Diabetes  
Beta Cell Biology Consortium

