

31 March, 2017

**Postdoctoral fellowships available in Mechanisms of Maternal-Fetal Immune Tolerance in Pregnancy.**

Postdoctoral fellowships are available in Drs. Jack Strominger and Tamara Tilburgs laboratories at Harvard University in the department of Stem Cell and Regenerative Biology, Cambridge, MA. The central theme of our lab is to investigate how maternal immune cells at the maternal-fetal interface establish tolerance to fetal antigens while at the same time maintaining immunity to viral and bacterial infections. The primary aim of the postdoctoral fellow is to contribute to an active and innovative research program focused on role of regulatory T cells and HLA-G+ extravillous trophoblasts in the development of spontaneous preterm birth. The ideal candidate will be highly productive scientists highly motivated to work in immunology including immune regulation, flow cytometry and general molecular and cellular biology. Experience with high resolution imaging or system biology and computational analysis of large genomic datasets is a plus. We offer a highly collaborative and top-quality biomedical science environment. Positions have become available to start as soon as possible. Salary is on the NIH scale, \$47,476 in the 1<sup>st</sup> year plus benefits.

Selected references:

1. HLA-G: At the Interface of Maternal-Fetal Tolerance (2017). Ferreira L, Meissner T, Tilburgs T, Strominger J. Trends Immunol. 2017 Mar 6
2. Expression of KIR2DS1 by decidual NK cells increases their ability to control placental HCMV infection (2016). Crespo A, Strominger J and Tilburgs T. PNAS 113(52):15072-7
3. The HLA-G cycle provides for both NK tolerance and immunity at the maternal-fetal interface. (2015). Tilburgs T, Evans J, Crespo A and Strominger J. PNAS 112(43):13312-7
4. Human HLA-G+ extravillous trophoblasts: Immune activating cells that interact with decidual leukocytes (2015). Tilburgs T, Crespo A, van der Zwan A, Rybalov B, Raj T, Stranger B, Gardner L, Moffett A and Strominger J. PNAS. 112(23): 7219-24.
5. CD8+ effector T cells at the fetal-maternal interface – Balancing fetal tolerance and anti-viral immunity. (2013) Tilburgs T and Strominger JL. AJRI 69(4):395-407.

Applicants should send a letter describing clear motivation, curriculum vitae and names and addresses of two to three references to:

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