

Post doctoral position available

To study the role of novel short nuclear RNAs in pre-mRNA processing

Our lab has recently demonstrated that the snoRNA HBII-52 that is not expressed by people with Prader-Willi syndrome regulates alternative splicing of the serotonin 5 HT2C receptor. We now showed that this snoRNA is processed into a smaller nuclear RNAs that represent **new non-coding regulatory RNAs**, that we term psnoRNA. The project will aim to a) understand the mechanism of psnoRNA action, b) identify targets for other snoRNAs from the Prader-Willi critical region, c) develop mechanisms to substitute the loss of psnoRNAs .

We are looking for a post doc with previous experience in RNA, to join our team that studies pre-mRNA splicing. More information about the research is found at www.stamms-lab.net.

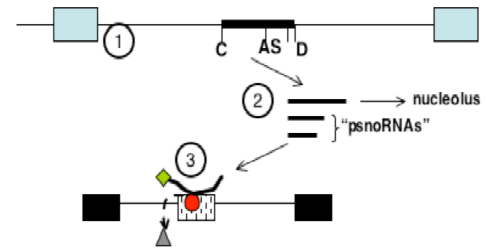
The position is funded by the NIH and by the binational science foundation Israel-USA.

References:

Kishore, S., and Stamm, S. (2006). The snoRNA HBII-52 regulates alternative splicing of the serotonin receptor 2C. *Science* **311**, 230-232.

Kishore, S., Khanna, A., Zhang, Z., Hui, J., Balwierz, P., Stefan, M., Beach, C., Nicholls, R. D., Zavolan, M., and Stamm, S. (2010). The snoRNA MBII-52 (SNORD 115) is processed into smaller RNAs and regulates alternative splicing. *Hum Mol Genet* **19**, 1153-1164.

To apply, please send your CV, the names and e-mail addresses of three references and a statement why you are interested in this position to **Stefan Stamm**, Stefan@stammslab.net



Our laboratory is located in **Lexington, Kentucky, USA**. Lexington is a city of 270,000 in the Bluegrass area. Lexington is best known as a center of horse racing and will host the equestrian games 2010. In 2007, Lexington was ranked as the 48th Best City to Live in the Entire World. Based on its highly diverse and educated population, it is ranked the tenth "Brainiest" city in the USA. The University of Kentucky is ranked 34th amongst public schools, and the Institute of Biochemistry is ranked 12th in a US-ranking of public medical schools by department. More info under <http://www.visitlex.com/>