

## Postdoctoral fellow bioinformatics for cell metabolism



**Karolinska  
Institutet**

*We are seeking a bright and highly motivated bioinformatics scientist to strengthen our efforts to identify and characterize cancer-associated metabolic enzymes, in close collaboration with experimental scientists.*

Our research group ([www.nilssonlab.se](http://www.nilssonlab.se)) at Karolinska Institutet combines experimental and computational techniques to study the metabolism of live human cells. This is a vibrant area of biomedical research, drive by the rise of common metabolic disorders as well as recent discoveries of metabolic derangements in cancer. We are now seeking a postdoctoral fellow with bioinformatics skills and a solid understanding of cell biology to work with integrative analysis of large datasets, aiming to identify enzymes associated with various forms of cancer.

The project involves integrating transcriptomics and metabolomics data as well as other informative data sources using statistical methods, to derive hypotheses about cancer-associated enzymes that can be experimentally tested in our lab. The work will be done in close collaboration with experimental scientists, taking advantage of methods developed in our lab to profile activity of enzymes in living cells using isotope tracing combined with mass spectrometry. One long-term goal is to identify enzymes that may be of interest as drug targets.

The candidate should be adept at programming, experienced with analysis of large data sets and knowledgeable about statistical and visualization methods. A good knowledge of cell biology in general and cancer biology in particular is a strong advantage. Candidates with a primary background in biology, coupled with practical experience of data analysis methods, are most welcome to apply.

The Nilsson Lab is part of the Unit for Computational Medicine, a larger initiative aiming to establish systems biology approaches at Karolinska Institutet, the premier biomedical research institute in Sweden. We work in close collaboration with colleagues at the University of California, San Diego (UCSD) and provide a dynamic, international research environment with members from a dozen different countries.

Please submit your application at <https://ki.mynetworkglobal.com/en/what:job/jobID:41390/> no later than September 1<sup>st</sup> 2014.

For more information, please contact:

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