20.10.2015

A PHD STUDENT POSITION:

Toxin-mediated perturbation of host cell signaling in bacterial infection

A PhD student position is available in the field of cellular microbiology in the research group of Arto Pulliainen, at the Institute of Biomedicine, University of Turku.

You investigate how bacterial toxins recognize and enter the human cell and how the toxins manipulate the human cell signaling to ultimately influence the disease progression. You reach your research goals with a multidisciplinary approach utilizing functional genomics, molecular biology, biochemistry, microscopy, structural biology, proteomics and RNA-Seq. Your project contributes to the development of new and targeted approaches for the prevention and treatment of infectious diseases.

To qualify for the position, you need: 1) high motivation level, work morale and independent initiative, and 2) completed or nearly completed MSc or an equivalent degree.

Please send your application in English as a single PDF document to Arto Pulliainen (arto.pulliainen@utu.fi), 6.12.2015 at the latest. The application has to contain: i) one page motivation letter, and ii) CV with contact information of at least two references.

The start time is negotiable, but January 2016 is preferable.
The position includes a 3-month trial period.

Further information:
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Key project-specific publications:

Pulliainen, A.T., *et al*. (2012) Bacterial effector binds host cell adenylyl cyclase to potentiate Gs-dependent cAMP production. Proceedings of the National Academy of Sciences USA 109:9581-9586.

Pulliainen, A.T., and Dehio, C. (2012) Persistence of *Bartonella* spp. stealth pathogens: from sub-clinical infections to vasoproliferative tumor formation. FEMS Microbiology Reviews 36:563-599.