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# *Salmonella* sRNA & infection biology

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## Postdoc & PhD positions available at Trinity College Dublin in 2009/10

Positions are available for two motivated post-doctoral research scientists (autumn 2009) and two PhD students (early 2010) with an interest in regulatory sRNA, functional genomics and *Salmonella* infection. The project is led by Professor Jay Hinton at Trinity College Dublin, Ireland.

Since 2005, more than 80 sRNAs have been identified in *Salmonella typhimurium*, by the Vogel, Altuvia and Hinton laboratories. The aim of the project is to study expression of *Salmonella* sRNAs, and regulation of their mRNA targets, during growth of *Salmonella* inside mammalian cells, and other infection-related environments. The function of sRNAs will be determined in the context of the transcriptional networks of *Salmonella Typhimurium*. Next-generation sequencing-based RNA-Seq approaches will underpin these studies.

The Hinton lab has a track record in the sRNA target discovery, transcriptomic analysis of *Salmonella* gene expression during infection and global gene regulation. The successful candidates will join Jay Hinton's new laboratory at Trinity College Dublin.

These posts requires a mixture of skills. As well as having molecular microbiological expertise, the successful applicants would ideally have experience in working with regulatory small RNAs in bacteria. Willingness to work in a team and familiarity with computing would be an asset.

Dublin universities have an impressive track record in bacterial gene regulation and infection biology. Culturally, Dublin is a great city in which to live. Modern and European, traditional and Irish, it has a unique and lively atmosphere.

Interested candidates should contact Jay Hinton at [jay.hinton@tcd.ie](mailto:jay.hinton@tcd.ie) for an informal discussion.