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invites to a seminar by

Prof. Ian Collinson

School of Biochemistry, University of Bristol, UK

**Mechanism of protein translocation through the
bacterial Sec machinery**

24th of October 2018 (Wednesday) at 12 p.m.

Venue: Centre of New Technologies, Banacha 2C,
Lecture Hall 0142 (Ground floor)

Host: Prof. dr hab. Agnieszka Chacińska

Transport of proteins across the bacterial inner membrane occurs primarily at the SecY translocon. The drive for post-translational transport comes from ATP hydrolysis by SecA, and the transmembrane proton motive force (PMF). However, the underlying mechanism for this coupling is unclear. In my talk I will summarise how we think this is achieved. I will also consider how common principles may operate in other transport systems, including those responsible for mitochondrial protein import.