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**Wednesday December 6, 2017**  
**15.15 - 16.00 in Hörsal M**  
**Örebro University**

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***Evolution of resistance to  
ciprofloxacin***

**Professor**

**Diarmaid Hughes**

**Department of Medical Biochemistry  
and Microbiology, Uppsala University**

Host: Jana Jass



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Investigates how antimicrobial resistance developments impact bacterial fitness in different environments and how bacteria respond by compensatory mutations and evolution.

His research group also studies bacterial microevolution in response to growth limitation caused either by genetic defects or restrictions of the growth environment.

In Nature reviews genetics, Dr. Hughes compared and contrasted the mechanisms of drug resistance in different organisms in order to improve therapeutic effectiveness.

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