

## Seminar in Microbiology

Monday, April 18, 2016

Salle de séminaire Salle E07.3347.a, CMU

**11:30 – 12:30**

**Ed Bolt**

Life Sciences, University of  
Nottingham, Medical School



## Genome stability and CRISPR immunity: how is immunity built in bacteria and archaea?

- Ivančić-Baće I, Cass SD, Wearne SJ, Bolt EL. 2015. Different genome stability proteins underpin primed and naïve adaptation in *E. coli* CRISPR-Cas immunity. *Nucleic Acids Res.* 2015 Dec 15;43(22):10821-30.
- Rollie C, Schneider S, Brinkmann AS, Bolt EL, White MF. 2015. Intrinsic sequence specificity of the Cas1 integrase directs new spacer acquisition. *Elife.* 2015 Aug 18;4.
- Cass SD, Haas KA, Stoll B, Alkhnbashi OS, Sharma K, Urlaub H, Backofen R, Marchfelder A, Bolt EL. 2015. The role of Cas8 in type I CRISPR interference. *Biosci Rep.* 2015 May 5;35(3).
- Ivančić-Baće I, Radovčić M, Bočkor L, Howard JL, Bolt EL. 2013. Cas3 stimulates runaway replication of a ColE1 plasmid in *Escherichia coli* and antagonises RNaseHI. *RNA Biol.* 2013 May;10(5):770-8.
- Ivančić-Baće I, Howard JA, Bolt EL. 2012. Tuning in to interference: R-loops and cascade complexes in CRISPR immunity. *J Mol Biol.* 2012 Oct 5;422(5):607-16.