**Salmonella** persisters actively undermine host immune defences during antibiotic treatment

**Dr. Sophie Helaine**  
Imperial College London  
Faculty of Medicine, Department of Medicine  
London, UK

Many bacterial infections are hard to treat and tend to relapse, due to the presence of persister cells. The internalisation of *Salmonella* by macrophages induces formation of such non-growing persisters that, in contrast to bacterial persisters formed in laboratory medium, remain in a metabolically-active state. Here we investigate how the metabolic activity of persisters supports their survival during extended periods of time in the host.
