

# Chemistry Departmental Seminar



**Dr Marcio Dias**

University of Warwick

Thursday 3 October

4.00 pm, Physics Lecture Theatre, Science Concourse

## **‘Using structural biology in drug discovery approaches and enzyme mechanisms’**

Structural biology is a powerful approach to develop new drugs and to understand basic questions of life sciences. In this talk, we will show results involving the developing new compounds targeting the enzyme dihydrofolate reductase from *Mycobacterium tuberculosis* and in elucidating the 3D-structures of unusual enzymes from natural products biosynthesis.

### **Biography**

Marcio Dias is an assistant professor at the Department of Chemistry. He is a biologist and Ph.D. in molecular biophysics, worked 4 years as a research associate at the University of Cambridge and 5 years as an assistant professor at the University of São Paulo, Brazil. He has experience in protein crystallography and biophysical methods for protein analysis.