

# Dorothy Hodgkin Memorial Lectures Somerville College 1999 - Present

**1999** – **Professor Louise Johnson (now Dame)**, FRS, Honorary Fellow, Somerville College

*'Dorothy Hodgkin and Penicillin: Fifty years from structure to present day understanding of biosynthesis and bacterial resistance'*

**2000** – **Professor Judith Howard (now Dame)**, CBE, DPhil, DSc, Professor of Chemistry, University of Durham

*'The Interface of Chemistry and Biology increasingly in Focus'*

**2001** – Special Commemoration Lecture – **Professor Sir Tom Blundell**, FRS, Sir William Dunn Professor of Biochemistry, University of Cambridge

*'Structural Biology and Crystallography Today: The influence of Dorothy Hodgkin on current Development'*

**2001** – Annual lecture – **Professor Jenny Glusker**, Fox Chase Cancer Center, Philadelphia

*'Vitamin B12 and Dorothy: their impact on structural science'*

**2002** – **Professor Pauline Harrison**, CBE, Professor Emerita, Department of Molecular Biology and Biotechnology, University of Sheffield

*'Crystallography to Metals, Metabolism and Medicine'*

**2003** - **Dr Clare Naylor**, Department of Crystallography, Birkbeck College, London

*'Pathogenic Proteins: The discovery of ricin in a North London flat highlights the potentially fatal nature of some proteins. A number of such lethal factors will be discussed and the origin of their toxicity described.'*

**2004** - **Dr Margaret Adams** M.A., D. Phil., Dorothy Hodgkin & E.P. Abraham Fellow, Tutor in Inorganic and Physical Chemistry, Somerville College

*'A piece in the jigsaw - The protein behind a hereditary disease - G6PD structure - G6PD deficiency and 40 years' progress for biological structures'*

**2005** - **Dr. Margaret Rayman**, School of Biomedical and Molecular Sciences University of Surrey

*'Selenium and cancer prevention'*

**2006** – **Dr Elena Conti**, Group Leader, Gene Expression Unit European Molecular Biology Laboratory, Heidelberg. Germany

*'Making sense of nonsense: structural studies of RNA degradation and disease'*

**2007** - **Professor Jenny Martin**, Principal Research Fellow, Institute for Molecular Bioscience, University of Queensland

*'The name's Bond....Disulfide Bond. Disulfide bond catalysts and their role in bacterial virulence and sex manipulation'*

**2008 - Professor E. Yvonne Jones**, FMedSci, Cancer Research UK Principal Research Fellow, Division of Structural Biology, Wellcome Trust Centre for Human Genetics

*'Postcards From the Surface: The Structural Biology of Cell-Cell Communication'*

**2009 - Pamela J. Bjorkman, PhD**, Max Delbruck Professor of Biology; Investigator, Howard Hughes Medical Institute, California Institute of Technology

*'Your mother's antibodies: how you get them and how we might improve them to combat HIV'*

**2010 – Professor Elspeth Garman**, Reader in Molecular Biophysics, Department of Biochemistry, University of Oxford

*'Crystallography One Century AD (After Dorothy)'*

**2011 – Professor Eleanor Dodson**, Professor Emeritus, University of York

*'Mathematics in the service of Crystallography'*