

the David Perlman/Robert H. Burris Lectures

IAN A. WILSON

The Skaggs Institute for Chemical Biology

Monday, April 14th, 3:30 pm

Structural Basis of Cellular Immune Recognition

Tuesday, April 15th, 3:30 pm

Functional Mimicry of Erythropoietin by Peptide Agonists:
Structure of EPO Receptor Complexes

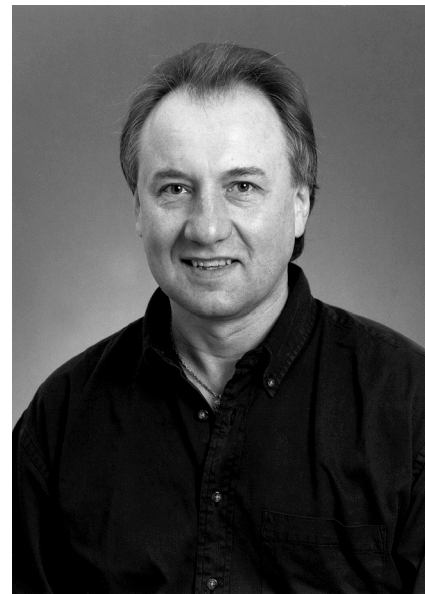
Dr. Ian A. Wilson obtained his B.Sc. in Biochemistry at the University of Edinburgh in 1971 and his D.Phil. from the University of Oxford in 1976 on the structure of triose phosphate isomerase. In 1977, he joined Professor Don Wiley's laboratory at Harvard University where he determined the structure of influenza virus hemagglutinin. Wilson joined the faculty at Scripps in 1982, where he is currently a Member in the Molecular Biology Department and The Skaggs Institute for Chemical Biology.

His research interests have focused on the structure and function of molecules of the immune system. His laboratory has determined many

antibodies-antigen complexes that include peptides, steroids and proteins as antigens. These studies have led to advances in understanding of induced fit, antibody-antigen complementarity, HIV-1 neutralization and antibody catalysis.

Dr. Wilson's current laboratory projects also include cellular immune recognition, particularly with respect to MHC Class I and Class II molecules, CD1, T cell receptor and MHC-TCR recognition, folate-dependent enzymes of purine biosynthesis as chemotherapeutic targets, tissue factor and cytokine receptors, such as erythropoietin and IL-2.

Wilson has many outside interests that include diverse



activities such as opera, cooking, scuba diving, tennis and weight lifting. He is currently an Associate Editor of the Journal of Molecular Biology and Immunity.

Funds were provided by the David Perlman Lectureship Fund, established in 1980 to honor the memory of the late David Perlman, a distinguished member of the University of Wisconsin-Madison faculty, and by Robert H. Burris a distinguished member of the Biochemistry Department Faculty at the University of Wisconsin-Madison.

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