



Prof. Hans Tuppy Professor Emeritus



Most important awards, prizes and academies

Academies: Deutsche Akademie der Naturforscher 'Leopoldina'; Österreichische Akademie der Wissen schaften; Pontifical Academy of Sciences. *Honorary Degrees:* University of Veterinary Medicine and the University of Agriculture, Vienna; Österreichisches Ehrenzeichen für Wissenschaft und Kunst.

Summary of scientific research

Investigations on the structure and function of biologically and biomedically important peptides and proteins (insulin, relaxin, oxytocin, cytochrome, interferon), mitochondria, blood-group antigens of the ABO and Lewis systems, and neuraminic acid derivatives.

Main publications

Sanger, F. and Tuppy, H., The Amino-acid Sequence in the Phenylalanyl Chain of Insulin, *Biochem. J.*, 49, pp. 463-81 (1951); Tuppy, H., The Amino-acid Sequence in Oxytocin, *Biochem. Biophys. Acta*, 11, p. 449 (1953); Tuppy, H. and Wintersberger, E., Reinigung und Eigenschaften der Serum-Oxytocinase, *Monatshefte f. Chemie*, 91, p. 1001 (1960); Margoliash, E., Smith, E.L., Kreil, G. and Tuppy, H., The Complete Amino-acid Sequence of the

Horse Heart Cytochrome C, *Nature*, 192, p. 1125 (1961); Schatz, G., Haslbrunner, E. and Tuppy, H., Deoxyribonucleic Acid Associated with Yeast Mitochondria, *Biochem. Biophys. Res. Comm.*, 15, p. 127 (1964); Wintersberger, E. and Tuppy, H., DNA-Abhängige RNA-Synthese in isolierten Hefe-Mitochondrien, *Biochem. Z.*, 341, p. 399 (1965); Meindl, P. and Tuppy, H., Über 2-Deoxy-2, 3-Dehydrosialinsäuren, *Monatshefte f. Chemie*, 100, p. 1295 (1969), *Z. Physiol. Chem.*, 350, p. 1088 (1969); Schenkel-Brunner, H. and Tuppy, H., Enzymatic Conversion of Human O into A Erythrocytes and of B into AB Erythrocytes, *Nature*, 233, p. 1272 (1969); Meindl, P., Bodo, G., Palese, P., Shulman, J. and Tuppy, H., Inhibition of Neuraminidase Activity by Derivatives of 2-deoxy-2, 3-dehydro-N-acetylneuraminic Acid, *Virology*, 58, p. 457 (1974); Meindl, P., Bono, G. and Tuppy, H., Synthetische niedermolekulare Induktoren von Interferon, *Arzneimittelforschung*, 26, p. 303 (1976); Prohaska, R., Schenkel-Brunner, H. and Tuppy, H., Enzymatic Synthesis of Blood-group Lewis-Specific Glycolipids, *Eur. J. Biochem.*, 84, p. 161 (1978)