



## Prof. Hans Tuppy Professor Emeritus



### **Most important awards, prizes and academies**

*Academies:* Deutsche Akademie der Naturforscher 'Leopoldina'; Österreichische Akademie der Wissen schaffen; 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)