

## Recently Published Papers in the Field of Molecular Evolution

### *Annals of Botany*

40 No. 170 1976

The Role of Morphological Biochemical Reciprocity in Early Land Plant Evolution. Niklas, K.J. (The New York Botanical Garden, Bronx, New York 10458, U.S.A.) – p. 1239

Plant Evolution and the Reciprocity Model. Niklas, K.J. (The New York Botanical Garden, Bronx, New York 10458, U.S.A.) – p. 1255

### *Biochemical and Biophysical Research Communications*

74 No. 1 1977

The Amino Acid Sequences of Two Putative Copper-Site Peptides from the "Blue" Copper Protein, Stenellacyanin. Wang, T. and Young, M. (Division of Biological Sciences National Research Council of Canada, Ottawa, Ontario, Canada K1A 0R6) – p. 119

Primary Structure of Cholera Toxin B-Subunit. Lai, C.Y. et al. (Roche Institute of Molecular Biology, Nutley, New Jersey 07110) – p. 215

### *Biochemical Genetics*

14 Nos. 3/4 1976

Allelic Polymorphism in Arabian Camel Ribonuclease and the Amino Acid Sequence of Bactrian Camel Ribonuclease. Welling, G.W. et al. (Biochemisch Laboratorium, Rijksuniversiteit, Zernikelaan, Groningen, The Netherlands) – p. 309

### *The Biochemical Journal*

161 No. 2 1977

Amino Acid Sequence of the *N*-Terminal Forty-Two Amino Acid Residues of the C Chain of Subcomponent C1q of the First Component of Human Complement. Reid, K.B.M. ( Medical Council Immunochemistry Unit, Department of Biochemistry, University of Oxford, South Parks Road, Oxford OX1 3QU, U.K.) – p. 247

*Biochimie*

58 Nos. 11–12 1976

Structure primaire du caséinomacropéptide de la caseine K caprine. Mercier, J.-C. et al. (Laboratoire de Recherches sur les Protéines, CNRZ-INRA, 78350 Jouy-en-Josas, France) – p. 1303

*FEBS Letters*

72 No. 2 1976

Comparative Study of the Amino Acid Sequences of the Caséinomacropéptides from Seven Species. Mercier, J.-C. et al. (Laboratoire de Recherches sur les Protéines, I.N.R.A.-C.N.R.Z., 78350, Jouy-en-Josas, France) – p. 208

73 No. 1 1977

Primary Structure of Protein S12 from the Small *Escherichia coli* Ribosomal Subunit. Funatsu, G. et al. (Laboratory of Biochemistry, Faculty of Agriculture, Kyushu University, Fukuoka, Japan) – p. 12

The Primary Structure of Protein S16 from *Escherichia coli* Ribosomes. Vandekerckhove, J. et al. (Laboratorium voor Histologie en Genetika, Rijksuniversiteit te Gent, Ledeganckstraat 35, 9000 Gent) – p. 18

Determination of the Amino Acid Sequence of Apovitellenin I from Duck's Egg Yolk Using an Improved Sequenator Procedure : A Comparison with other Avian Species. Inglis, A.S. and Burley, R.W. ( Division of Protein Chemistry, CSIRO, 343 Royal Parade, Parkville, Victoria 3052, Australia) – p. 33

*Genetics*

84 No. 3 1976

The Ribosomes of *Drosophila*. III. RNA and Protein Homology between *D. Melanogaster* and *D. Virilis*. Weber, L. et al. (Department of Biology, State University of New York at Albany, New York 12203, U.S.A.) – p. 573

Testing for Selective Neutrality of Electrophoretically Detectable Protein Polymorphisms. Weir, B.S. et al. ( Department of Statistics, North Carolina State University, P.O. Box 5457, Raleigh, North Carolina 27607, U.S.A.) – p. 639

*Hoppe-Seyler's Zeitschrift für Physiologische Chemie*

358 No. 1 1977

Snake Venom Toxin. The Amino Acid Sequence of Three Toxins (CM-2h, CM-4b and CM-6) from *Naja baje annulifera* (Egyptian Cobra) Venom. Joubert, F.J. (National Chemical Research Laboratory, Pretoria South Africa) – p. 79

The Primary Structure of Porcine Lactate Dehydrogenase: Isoenzymes M<sub>4</sub> and H<sub>4</sub>. Kiltz, H.-H. et al. ( Institut für Biochemie, Abteilung Chemie, Ruhr-Universität Bochum, Germany) – p. 123

*Australian Journal of Biological Sciences*

29 Nos. 1 and 2 1976

Studies on Monotreme Proteins. VII. Amino Acid Sequence of Myoglobin from the Platypus, *Ornithorhynchus anatinus*. Fischer, W.K. and Thompson, E.O.P. (School of Biochemistry, University of New South Wales, P.O. Box 1, Kensington, N S.W. 2033) – p. 57

Haemoglobins of the Shark, *Heterodontus portusjacksoni*. II. Amino Acid Sequence of the  $\alpha$ -Chain. Nash, A.R. et al. ( School of Biochemistry, University of New South Wales, P.O. Box 1, Kensington, N S. W. 2033) – p. 73

*Journal of Biochemistry*

80 No. 5 1976

The Primary Structure of Non-initiator Methionine Transfer Ribonucleic Acid from Baker's Yeast. I. Purification and Complete Digestion with Ribonuclease T<sub>1</sub> and Pancreatic Ribonuclease A. Koiwai, O. and Miyazaki, M. ( Institute of Molecular Biology, Faculty of Science, Nagoya University, Chikusa-ku, Nagoya, Aichi 464, Japan) – p. 937

The Primary Structure of Non-initiator Methionine Transfer Ribonucleic Acid from Baker's Yeast. II. Partial Digestion with Ribonuclease T<sub>1</sub> and Derivation of the complete Sequence. Koiwai, O. and Miyazaki, M. ( Institute of Molecular Biology, Faculty of Science, Nagoya University, Chikusa-ku, Nagoya, Aichi 464, Japan) – p. 951

Amino Acid Sequence of the Major Component of *Nostoc muscorum* Ferredoxin. Hase, T. et al. ( Department of Biology, Faculty of Science, Osaka University, Toyonaka, Osaka 560, Japan) – p. 993

*The Journal of Biological Chemistry*

251 No. 23 1976

Isolation and Amino Acid Sequence of a Neurotoxic Phospholipase A from the Venom of the Australian Tiger Snake *Notechis scutatus scutatus*. Halpert, J. and Eaker, D. (Institute of Biochemistry, University of Uppsala, S-751 23 Uppsala, Sweden) – p. 7343

*European Journal of Biochemistry*

72 No. 3 1977

The Primary Structure of Yeast Alcohol Dehydrogenase. Jörnvall, H. (Department of Chemistry, Karolinska Institutet, Stockholm, Sweden) – p. 425

Differences between Alcohol Dehydrogenases. Structural Properties and Evolutionary Aspects. Jörnvall, H. (Department of Chemistry, Karolinska Institutet, Stockholm, Sweden) – p. 443

The Amino Acid Sequence of the Dihydrofolate Reductase of a Trimethoprim-Resistant Strain of *Escherichia coli*. Stone, D. et al. ( Wellcome Research Laboratories, Beckenham, Kent, and Research Triangle Park, North Carolina) – p. 613

*Journal of Theoretical Biology*

64 No. 2 1977

Additive Evolutionary Trees. Waterman, M.S. et al. (Idaho State University, Pocatello, Idaho 83209, U.S.A.) – p. 199

*Nature*

265 No. 5589 1977

Rates, Sample Sizes, and the Neutrality Hypothesis for Electrophoresis in evolutionary Studies. Sarich, V.M. (Departments of Anthropology and Biochemistry University of California, Berkeley, California 94720, U.S.A.) – p. 24

265 No. 5592 1977

Mathematical Models for the Evolution of Multigene Families by Unequal Crossing Over. Perelson, A.S. and Bell, G.I. (Theoretical Division, University of California, Los Alamos Scientific Laboratory, Los Alamos, New Mexico 87545, U.S.A.) – p. 304

*Revue générale*

19 No. 3 1976

How Genes Evolve: A Population Geneticist's View. Kimura, M. (National Institute of Genetics, Mishima, Japan) – p. 153

*Science*

193 No. 4257 1976

Complete Covalent Structure of a Human IgA1 Immunoglobulin. Au, W.Y.W. (Department of Pharmacology and Toxicology, University of Rochester School of Medicine and Dentistry, 601 Elmwood Avenue, Rochester, New York 14642, U.S.A.) – p. 1017

195 No. 4275 1977

Primary Structure of Cholera Toxin  $\beta$ -Chain: A Glycoprotein Hormone Analog? Scopes, D.I.C. et al. ( School of Chemical Sciences, University of Illinois, Urbana 61801, U.S.A.) – p. 299

*Science Progress, Oxford*

64 No. 253 1977

Molecular Variability and Hypothesis Testing. Avise, J.C. (Department of Zoology, University of Georgia, Athens, Georgia 30602, U.S.A.) – p. 85