Recently Published Papers in the Field of Molecular Evolution

Biochemical and Biophysical Research Communications

85 No. 4 1978

Partial Amino Acid Sequence of the Preprotein Form of the Alpha Subunit of Human Choriogonadotropin and Identification of the Site of Subsequent Proteolytic Cleavage. Birken, S et al. (Department of Medicine, College of Physicians and Surgeons, Columbia University, New York, N.Y. 10032) – p. 1247

Amino Terminal Sequence Ambiguity in Three Capsid Polypeptides of Poliovirus. Vrijsen, R. et al. (Laboratorium voor Microbiologie en Hygiene and Chemie der Proteinen, Vrije Universiteit Brussel, Paardenstraat 65, B–1640 Sint Genesius-Rode, Belgium) – p. 1596

86 No. 3 1979

Partial Amino Acid Sequence of Two Forms of Human Post - γ - Globulin. Tonnelle, C. et al. (Centre D'Immunologie Inserm-CNRS de Marseille-Luminy Case 906 13288 Marseille cedex 2, France) – p. 613

The Biochemical Journal

177 1979

The Amino Acid Sequence of Cytochrome c' from the Purple Sulphur Bacterium Chromatium Vinosum. Ambler, R.P. et al. (Department of Molecular Biology, University of Edinburgh, Edinburgh EH9 3JR, Scotland, U.K.) – p. 819

N-Terminal Sequences of Uteroglobin and its Precursor. Atger, M. et al. (Groupe de Recherches sur la Biochimie Endocrinienne et la Reproduction (INSERM U 135), Faculté de Medecine Paris-Sud, 94270 Bicêtre, France) – p. 985

Biochemistry

17 No. 26 1978

Sequence of the Amino-Terminal 349 Residues of Rabbit Muscle Glycogen Phosphorylase Including the Sites of Covalent and Allosteric Control. Koide, A. et al. (Department of Biochemistry, University of Washington, Seattle, Washington 98195) – p. 5657

Amino Acid Sequence of Two Cyanogen Bromide Fragments of Glycogen Phosphorylase. Hermann, J. et al. (Department of Biochemistry, University of Washington, Seattle, Washington 98195) – p. 5672

Sequence of the Carboxyl-Terminal 492 Residues of Rabbit Muscle Glycogen Phosphorylase Including the Pyridoxal 5'-Phosphate Binding Site. Titani, K. et al. (Department of Biochemistry, University of Washington, Seattle, Washington 98195) – p. 5680

Covalent Structure of Collagen: Amino Acid Sequence of Chick Skin Collagen α1(I)-CB6B. Dixit, S.N. et al. (Connective Tissue Research Laboratory, Veterans Administration Hospital, and Departments of Biochemistry and Medicine, University of Tennessee Center for the Health Sciences, Memphis, Tennessee 38104) – p. 5719

Complete Amino Acid Sequence of Human Parathyroid Hormone. Keutmann, H.T. et al. (Endocrine Unit, Department of Medicine, Massachusetts General Hospital, Boston, Massachusetts 02114) – p. 5723

Acta Biochim. et Biophys. Acad. Sci. Hung.

13 No. 3 1978

Amino Acid Sequence Homology Among Small Molecular Weight, Cystine Rich Protease Inhibitors from Leguminous Plants. Szilágyi, S. and Szilágyi Erzsébet. (Department of Botany, Kossuth L. University, Debrecen, Hungary) – p. 165

FEBS Letters

98 No. 1 1979

Comparison between MSEL- and VLDV-Neurophysins. Complete amino acid sequences of porcine and bovine VLDV-neurophysins. Chauvet, M.T. et al. (Laboratory of Biological Chemistry, University of Paris VI, 96, boulevard Raspail, 75006 Paris, France) – p. 37

Amino Acid Sequence at the Site on Rabbit Skeletal Muscle Glycogen Synthase Phosphorylated by the Endogenous Glyogen Synthase Kinase-2 Activity. Rylatt, D.B. and Cohen, P. (Department of Biochemistry, University of Dundee, Dundee DD1 4HN, Scotland) – p. 71

Hoppe-Seyler's Zeitschrift für Physiologische Chemie

360 No. 1 1979

Hämoglobin (Erythrocruorin) CTT III aus *Chironomus thummi thummi (Diptera).* Primärstruktur und Beziehung zu anderen Hämproteinen. Buse, G. et al. (Abteilung Physiologische Chemie der RWTH Aachen) – p. 89

The Primary Structure of One of the Dimeric Hemoglobin (Erythrocruorin) Components, CTT-X, of *Chironomus thummi thummi* (Diptera). Lalthantluanga, R. and Braunitzer, G. (Max-Planck Institut für Biochemie, Martinsried bei München) – p. 99

The Journal of Biological Chemistry

253 No. 24 1978

A Signal Sequence for the Insertion of a Transmembrane Glycoprotein. Similarities to the Signals of Secretory Proteins in Primary Structure and Function. Lingappa, V.R. et al. (Laboratory of Cell Biology, The Rockefeller University, New York, New York 10021) – p. 8667

The Amino Acid Sequence of Mangano Superoxide Dismutase from *Escherichia coli* B. Steinman, H.M. (Department of Biochemistry, Albert Einstein College of Medicine, Bronx, New York 10461) – p. 8708

The Primary Structure of *Escherichia coli* K12 Aspartokinase I-Homoserine Dehydrogenase I. Site of Limited Proteolytic Cleavage by Subtilisin. Briley, P.A. et al. (Unité de Biochimie Cellulaire du Département de Biochimie et Génétique Microbienne, Institut Pasteur, 28, rue du Docteur Roux, 75724 Paris Cedex 15, France) – p. 8867

Heterogeneity of Amino Acid Sequence in Hippopotamus Cytochrome c. Thompson, R.B. et al. (Department of Biochemistry and Molecular Biology, Northwestern University, Evanston, Illinois 60201) – p. 8957

Journal of Theoretical Biology

76 1979

The Construction and Evolution of DNA Sequences Having the Same Doublet Ratios as those of Non-satellite, Mammalian DNA. Bard, J.B.L. and Presser, M.E. (Medical Research Council, Clinical and Population Cytogenetics Unit, Western General Hospital, Crewe Road, Edinburgh, EH4 2XU, Scotland) – p. 181

Journal of Molecular Biology

127 1979

A Study of the Evolution of Repeated DNA Sequences in Primates and the Existence of a New Class of Repetitive Sequences in Primates. Deininger, P.L. and Schmid, C.W. (Department of Chemistry, University of California, Davis, Calif. 95616, U.S.A.) – p. 437

Molecular Immunology

16 1979

Amino Terminal Sequence Studies on the Ia Antigens of the Guinea Pig. Waxdal, M.J. et al. (Laboratory of Immunology, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD 20014) – p. 61

Nucleic Acids Research

6 No. 1 1979

Compilation of tRNA sequences. Gauss, D.H. et al. (Abteilung Chemie, Max-Planck-Institut für experimentelle Medizin, Hermann-Rein-Str. 3, D-3400 Göttingen, GFR) – p. r1

Collection of mutant tRNA sequences. Celis, J.E. (Biostructural Chemistry, Department of Chemistry, Aarhus University, Langelandsgade 140, 8000 Aarhus C, Denmark) – p. r21

Collection of published 5S and 5.8S RNA sequences and their precursors. Erdmann, V.A. (Max-Planck-Institut für Molekulare Genetik, Abt. Wittmann, Ihnestrasse 63-73, 1000 Berlin-Dahlem (33), GFR) – p. r29

6 No. 2 1979

The nucleotide sequence of the initiator tRNA from Drosophila melanogaster. Silverman, S. et al. (Department of Molecular Biophysics and Biochemistry, Yale University, New Haven, CT 06520) – p. 421

The nucleotide sequence of lysine $tRNA_2$ from Drosophila. Silverman, S. et al. (Department of Biochemistry, University of British Columbia, Vancouver, B.C., V6T 1W5, Canada) – p. 435

Origins of Life

9 1978

Synthesis of Organic Compounds from Carbon Monoxide and Water by UV Photolysis. Bar-Nun, A. and Hartman, H. (Department of Geophysics and Planetary Sciences, Tel Aviv University, Tel Aviv, Israel) – p. 93

Porphyrin-like Compounds Genesis under Simulated Abiotic Conditions. Simionescu, C.I. et al. (Department of Organic and Macromolecular Chemistry, Polytechnic Institute of Jassy, 6600 Jassy, Romania) – p. 103

Ion-Molecule Condensation Reactions: A Mechanism for Organic Synthesis in Ionized Reducing Atmospheres. Meot-Ner (Mautner), M. (The Rockefeller University, New York, N.Y. 10021) – p. 115

Evolution of a Genetic Code Simulated with the Computer. Kuhn, H. and Kuhn C. (Max-Planck-Institut für biophysikalische Chemie, Abteilung Molekularer Systemaufbau, D-3400 Göttingen-Nikolausberg, Germany) – p. 137

Trends in Biochemical Sciences

4 No. 2 1979

Evolution of the biliproteins. MacColl, R. and Berns, D.S. (Division of Laboratories and Research, New York State Department of Health, Albany, N.Y. 12201 U.S.A.) – p. 44

Compiled by L. Träger