Recently Published Papers in the Field of Molecular Evolution

Biochemical Genetics

14 No.1/2 (February) 1976

Two-Nucleotide Codon Change in a Hemoglobin Polymorphism of the Celebes Black Ape (*Macaca nigra*). Murata, Mitsuo, Thompson, Peter E. (Department of Zoology, The University of Georgia, Athens, Georgia) - p. 183

The Biochemical Journal

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The Whey Proteins of the Milk of Red Deer (*Cervus elaphus* L.). A Homologue of Bovine ß-Lactoglobulin. McDougall, E. Ian, Steward, James C. (Rowett Research Institute, Bucksburn, Aberdeen AB2 9SB, Scotland, U.K.) - p. 647

The Occurrence in Amino Acid Sequences of Extensive Informational Symmetries Based on Possible Codon-Codon Complementarity in the Encoding Polynucleotides. Polya, Gideon M., Phillips, D.R. (Department of Biochemistry, La Trobe University, Bundoora, Vic. 3083, Australia) - p. 681

Biochemistry

15, No.3 (February) 1976

Sequence Homologies in Mammalian 5.8S Ribosomal RNA. Nazar, Ross N., et al. (Tumor By-Products Laboratory, Department of Pharmacology, Baylor College of Medicine, Houston, Texas 77025) p. 505

Biochimica et Biophysica Acta (P) Protein Structure

420 No.2 (February) 1976

The Myoglobin of the Cape Hunting Dog (*Lycaon pictus*). Romero-Herrera, A.E., et al. (University Department of Clinical Biochemistry, Addenbrooke's Hospital, Hills Road, Cambridge CB2 2QR, U.K.) - p. 350

The Covalent Structure of Dog Myoglobin. Dumur, Viviane, et al. (Laboratoire de Chimie Biologique, Faculté de Médecine de Lille, 59045, Lille-Cédex, France) - p. 376

The Myoglobin of Primates. VIII. *Nycticebus coucang* (Slow Loris). Romero-Herrera, A.E., et al. (University Department of Clinical Biochemistry, Addenbrooke's Hospital M.R.C.Abnormal Haemoglobin Unit, Hills Road, Cambridge CB2 2QR, U.K.) - p. 387

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Origin of *Nicotiana tabacum* detected by Primary Structure of Fraction I Protein. Kawashima, Nobumaro, et al. (Central Research Institute, The Japan Tobacco Public Corporation, 6-2 Umegaoka, Midori-ku, Yokohama, Kanagawa, Japan) - p. 70

Primary Sequence of the ß-Chain of Badger Haemoglobin. Hombrados, Isabelle, et al. (Laboratoire de Biochimie médicale, U.E.R. III, Université de Bordeaux II, 33076 Bordeaux-Cédex, France) - p. 107

Two New Haemoglobins: Haemoglobin Perspolis (α 64 (E13) Asp→Tyr) and Haemoglobin J-Kurosh (α 19 (AB) Ala→Asp). Rahbar, S., et al. (Department of Applied Biology, University of Tehran and Iranian National Blood Transfusion Service, Tehran, Iran) p. 119

Amino Acid Sequence Homology in 30S Ribosomal Protein S19 from *Bacillus stearothermophilus* and *Escherichia coli*. Vassos, Artemios, et al. (Department of Microbiology, Loyola University, Chicago, Ill. 60653) - p. 371

Biochimie

57 No.11/12 1975

The synthesis of amino acid polymers by thermal condensation at 105°C without a catalyst. Hennon, Ghislaine, et al. (Laboratoire de Biochimie, Faculté de Médecine 80036 - Amiens Cedex, France) - p. 1395

collection of Czechoslovak Chemical Communications

40 No.12 (December) 1975

Amino-Acid Sequence of Cyanogen Bromide Fragment CB5(Phe) of Human Plasma Albumin. Morávek, L., et al. (Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, 16610 Prague 6) - p. 3932

Amino Acid Sequence of Cyanogen Bromide Fragment CB6(Pro) of Human Plasma Albumin. Kostka, V., et al. (Institute of Organic

Chemistry and Biochemistry, Czechoslovak Academy of Sciences, 16610 Prague 6) - p. 3942

FEBS Letters

62 Supplement (February) 1976

Role of Flexibility in the Specificity, Control and Evolution of Enzymes. Koshland, D.E., Jr. (Department of Biochemistry, University of California, Berkeley, California 92740, USA) - p. E47

63 No.1 (March) 1976

Chicken Erythrocyte Histone H_5. III. Sequence of the Amino-Terminal Half of the Molecule (III Residues). Sautière, P., et al. (Unité No 124 de l'Institut National de la Santé et de la Recherche Médicale (U. 124 INSERM), B.P. No 3567, 59020 Lille Cédex, France) - p. 164

Hb Altdorf $\alpha_2\beta_2$ 135 (H13) Ala→Pro: A New Electrophoretically Silent Unstable Haemoglobin Variant from Switzerland. Marti, H.R., et al. (Kantonspital, CH-5000 Aarau, Switzerland) - p. 193

Bovine Plasma High Molecular Weight Kininogen: The Amino Acid Sequence of Fragment 1 (Glycopeptide) Released by the Action of Plasma Kallikrein and Its Location in the Precursor Protein. Han, Yong Nam, et al. (Division of Plasma Proteins, Institute for Protein Research, Osaka University, Suita, Osaka-565, Japan) - p. 197

The Primary Structure of Protein L 34 from the Large Ribosomal Subunit of *Escherichia coli*. Chen, Robert, Ehrke, Gisela (Max-Planck-Institut für Molekulare Genetik, Abt. Wittmann, Berlin-Dahlem, Germany) - p. 214

The Journal of Biochemistry

78 No.6 (December) 1975

On the Activation of Bovine Plasma Factor XIII. Amino Acid Sequence of the Peptide Released by Thrombin and the Terminal Residues of the Subunit Polypeptides. Nakamura, Shin, et al. (Division of Plasma Proteins, Institute for Protein Research, Osaka University, Suita, Osaka-565) - p. 1247

Molecular & General Genetics

142 No.4 (December) 1975

Molecular Weight Distribution of Ribosomal Proteins from

Several Vertebrate Species. Martini, O.H., Gould, H.J. (Department of Biophysics, King's College, London) - p. 317

Nature

253 No.5493 (February) 1975

Darwinian evolution in the genealogy of haemoglobin. Goodman, Morris, et al. (Department of Anatomy, Wayne State University, Detroit, Michigan 48201) - p. 603

255 No.5507 (May) 1975

Continental drift and the use of albumin as an evolutionary clock. Maxson, Linda R., et al. (Departments of Biochemistry and Anthropology, University of California, Berkely, California 94720) - p. 397

259 No.5545 (February) 1976

Fossil hominid femora and the evolution of walking. McHenry, Henry M., Corruccini, Robert S. (Department of Anthropology, University of California, Davis, California 95616) - p. 657

Homology of myosin DTNB light chain with alkali light chains, troponin C and parvalbumin. Collins, John H. (Department of Muscle Research, Boston Biomedical Research Institute, Boston, Massachusetts 02114) - p. 699

260 No.5546 (March) 1976

An early Ordovician vertebrate. Bockelie, T., Fortey, R.A. (Paleontologisk Museum, Sars Gate 1, Oslo 5, Norway) - p. 36

Evolutionary origin of 5.8S ribosomal RNA. Cedergren, R.J., Sankoff, David (Département de Biochimie et Centre de Recherches Mathématiques, Université de Montréal, Montréal 101) - p. 74

Die Naturwissenschaften

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Model Consideration for the Origin of Life. Environmental Structure as Stimulus for the Evolution of Chemical Systems. Kuhn, Hans (Max-Planck-Institut für Biophysikalische Chemie, Göttingen) - p. 68

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