

# Recently Published Papers in the Field of Molecular Evolution

*Acta Haematologica*

52 No.4 1974

Haemoglobin E Variants and Pregnancy in Malaysian Aborigines. Ong, H.C. (Department of Obstetrics and Gynaecology, University Hospital, Kuala Lumpur, West Malaysia) - p. 220

*Agricultural and Biological Chemistry*

38 No. 9 (September) 1974

The Amino Acid Sequence and the Peptide-Carbohydrate Linkage of GP-I-a and GP-I-b, Glycopeptides from *Rhizopus Saccharogenicus* Amylase. Watanabe, Kazuho, Fukimbara, Takashi (The Institute of Physical and Chemical Research, Wako-shi, Saitama 351) - p. 1643

*Archives of Biochemistry and Biophysics*

166 No. 1 (January) 1975

Amino Acid Sequence of Neurotoxin I from *Centruroides sculpturatus* Ewing. Babin, Donald R., et al. (Department of Biochemistry Creighton University School of Medicine, Omaha, Nebraska 68178) - p. 125

Studies on the Structure of Rabbit Muscle Aldolase. Amino Acid Sequence of Cysteine-Containing Peptides. Lai, C.Y. (Roche Institute of Molecular Biology, Nutley, New Jersey 07110) - p. 330

Studies on the Structure of Rabbit Muscle Aldolase. Isolation and Sequence Analysis of the Tryptic Peptides Derived from the NH<sub>2</sub>-Terminal BrCN Peptide. Nakai, N., et al. (Roche Institute of Molecular Biology, Nutley, New Jersey 07110) - p. 339

Studies on the Structure of Rabbit Muscle Aldolase. Ordering of the Tryptic Peptides; Sequence of 164 Amino Acid Residues in the NH<sub>2</sub>-Terminal BrCN Peptide. Nakai, N., et al. (Roche Institute of Molecular Biology, Nutley, New Jersey 07110) - p. 347

Studies on the Structure of Rabbit Muscle Aldolase. Determination of the Primary Structure of the COOH-Terminal BrCN Peptide; the Complete Sequence of the Subunit Polypeptide Chain. Lai, C.Y. (Roche Institute of Molecular Biology, Nutley, New Jersey 07110) - p. 358

*Biochemical and Biophysical Research Communications*

62 No. 2 (January) 1975

Amino Acid Sequence of Fifty Two Residues from the N-Terminus of Mitochondrial Aspartate Aminotransferase. Kagamiyama, Hiroyuki, Wasa, Hiroshi. (Department of Biochemistry and Pharmacology, Osaka University Medical School, Kitaku, Osaka, Japan) - p. 425

62 No. 3 (February) 1975

Homologies in Eukaryotic 5.8S Ribosomal RNA. Nazar, Ross N., et al. (Tumor By-Products Laboratory, Department of Pharmacology, Baylor College of Medicine, Houston, Texas 77025) - p. 736

*Biochemical Genetics*

12 No. 6 (December) 1974

The Tryptic Peptides of Coyote (*Canis latrans*) Hemoglobin. Runkel, Douglas, et al. (Department of Biochemistry, University of Oregon Medical School, Portland Oregon) - p. 467

*The Biochemical Journal*

145 No. 2 (February) 1975

A Comparison of Glycopeptides from the Transferrins of several Species. Graham, I., Williams, J. (Molecular Enzymology Laboratory, Department of Biochemistry, University of Bristol, Bristol BS8 1TD, U.K.) - p. 263

The Amino Acid Sequence of Rabbit Muscle Triose Phosphate Isomerase. Corran, P.H., Waley, S.G. (Sir William Dunn School of Pathology, University of Oxford, Oxford OX1 3RE, U.K.) - p. 335

The Amino Acid Sequence of Ribonuclease U<sub>2</sub> from *Ustilago sphaerogena*. Sato, Showbu, Uchida, Tsuneko (Mitsubishi-Kasei Institute of Life Sciences, 11 Minamiooya, Machida-shi, Tokyo, Japan) - p. 353

2 No. 3 & 4 (February) 1975

Comparison of the Primary Structure of the Large and Small Subunits of Fraction I Protein from Solanaceae Plants and Other Families. Kawashima, Nobumaro, Tanabe, Yoko (Central Research Institute, The Japan Tobacco Public Corporation, 6-2 Umegaoka, Midori-ku, Yokohama, Kanagawa 227, Japan) - p. 193

*Biochemistry*

14 No. 2 (January) 1975

The  $\alpha$  and  $\beta$  Subunits of *Cyanidium caldarium* Phycocyanin: Properties and Amino Acid Sequences at the Amino Terminus. Troxler, Robert F., et al. (Department of Biochemistry, Boston University School of Medicine, Boston, Massachusetts 02118) - p. 268

*Biochimica et Biophysica Acta (P) Protein Structure*

379 No. 1 (January) 1975

The Primary Structure of the Myoglobin of the Insectivore *Erinaceus europaeus* (Common European Hedgehog). Romero-Herrera, A.E., et al. (Medical Research Council Abnormal Haemoglobin Unit, University of Cambridge, Department of Biochemistry, Addenbrooke's Hospital, Hills Road, Cambridge CB2 2QR, U.K.) p. 13

Haemoglobin G Norfolk:  $\alpha$  85(F6)Asp  $\rightarrow$  Asn. Lorkin, P.A., et al. (M.R.C. Abnormal Haemoglobin Research Unit, University Department of Clinical Biochemistry, Cambridge, U.K.) - p. 22

Two New Hemoglobins. Hemoglobin Alabama ( $\beta$ 39(C5)Gln $\rightarrow$ Lys) and Hemoglobin Mont Gomery ( $\alpha$ 48(CD6)Leu $\rightarrow$ Arg). Brimhall, Bernadine, et al. (Department of Biochemistry, University of Oregon Medical School, Portland Oreg. 97201) - p. 28

379 No. 2 (February) 1975

*Naja melanoleuca* (Forest Cobra) Venom. The Amino Acid Sequence of Phospholipase A, Fraction DE-III. Joubert, Francois J. (National Chemical Research Laboratory, Council for Scientific and Industrial Research, P.O.Box 395, Pretoria, South Africa) p. 329

The Amino Acid Sequence of Phospholipase A, Fractions DE-I and DE-II. Joubert, Francois J. (National Chemical Research Laboratory, Council for Scientific and Industrial Research, P.O.Box 395, Pretoria, 0001, South Africa) - p. 345

Partial Amino Acid Sequence of an IgA2 Human Immunoglobulin Heavy Chain. Wolffenstein-Todel, Carlota, et al. (Irvington House Institute, Rheumatic Diseases Study Group, New York University Medical Center, 550 First Avenue, New York, N.Y. 10016, USA) - p. 627

*Biochimie*

56 No. 8 1974

Structure primaire de l'anhydrase carbonique érythrocytaire B humaine. III. Séquence des fragments ICNBr et IIICNBr (résidues 149-260). Giraud, Nicole, et al. (Laboratoire de Chimie Biologique, Faculté de Médecine, 27 Bd Jean Moulin - 13385 Marseille Cedex 4, France) - p. 1031

Research of specific constraints in pair association of amino acids. Debouverie, Danielle, Schlusberg, Jean (Laboratoire de Chimie Générale I, Faculté des Sciences, Université libre de Bruxelles, Belgique) - p. 1045

56 No. 11-12 (1974)

Phylogenic studies on ribosomal proteins. Delaunay, Jean, et al. (Institut de Pathologie Moléculaire, 24, rue du faubourg Saint-Jacques, 75014 Paris) - p. 1459

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39 No. 6 (1974)

Primary Structure of Cytoplasmic Aspartate Aminotransferase from Pig Heart Muscle. Amino Acid Sequence of Insoluble Peptides from Tryptic Hydrolyzate. Egorov, Ts.A., et al. (M.M. Shemyakin Institute for Chemistry of Natural Products, Academy of Sciences of the USSR, Moscow, USSR) p. 1211

*European Journal of Biochemistry*

51 No. 1 (1975)

The Amino-Acid Sequences of Three Cystine-Free Cyanogen-Bromide Fragments of Human Serum Transferrin. Sutton, Michael R., et al. (Department of Biochemistry, University of Miami School of Medicine, Biscayne Annex, Miami, Florida, 33152) - p. 43

The Hormonal Control of Activity of Skeletal Muscle Phosphorylase Kinase. Cohen, Philip, et al. (Department of Biochemistry, Medical Sciences Institute, The University, Dundee, Scotland, Great Britain DD1 4HN) p. 79

The Nucleotide Sequence of a Methionine tRNA which Functions

in Protein Elongation in Mouse Myeloma Cells. Piper, Peter W. (Medical Research Council, Laboratory of Molecular Biology, Cambridge) - p. 283

The Primary Structure of the Major Cytoplasmic Valine tRNA of Mouse Myeloma Cells. Piper, Peter W. (Medical Research Council, Laboratory of Molecular Biology, Cambridge) - p. 295

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50, No. 2 (February) 1975

Haemoglobin G Norfolk  $\alpha 85$ (F6) Asp $\rightarrow$ Asn. Structural Characterization by Sequenator Analysis and Functional Properties of a New Variant with High Oxygen Affinity. Cohen-Solal, M., et al. (Unité de Recherches sur les Anémies, INSERM I.91, Hôpital Henri Mondor, 94010 Créteil, France) - p. 163

Chicken Erythrocyte Histone H<sub>5</sub>; I Amino Terminal Sequence (70 Residues). Garel, A., et al. (Institut de Biologie Moléculaire et Cellulaire, 15, rue Descartes, 67000-Strasbourg, France; and Unité 124 de l'Institut National de la Santé et de la Recherche Médicale, Boîte postale 3567, 59020-Lille Cedex France) - p. 195

Chicken Erythrocyte Histone H<sub>5</sub>; II Amino Acid Sequence Adjacent to the Pheylalanine Residue. Sautiere, P., et al. (Unité 124 de l'Institut National de la Santé et de la Recherche Médicale, Boîte postale 3567, 59020-Lille Cedex, France; and Institut de Biologie Moléculaire et Cellulaire, 15, rue Descartes, 67000-Strasbourg, France) - p. 200

50 No. 3 (February) 1975

The NH<sub>2</sub>-Terminal Sequences of a Subunit of the First Component of Human Complement, C1s, and Its Activated Form, C1s̄. Takahashi, Kazuhiko, et al. (Faculty of Pharmaceutical Sciences, Hakkaido University, Sapporo, Japan) - p. 330

*Genetics*

78 No. 2 (October) 1974

The Evolutionary Advantage of Recombination. Felsenstein, Joseph (Department of Genetics SK-50, University of Washington Seattle, Washington 98195) - p. 737

*Hoppe-Seyler's Zeitschrift für Physiologische Chemie*

356 No. 2 (Februar) 1975

Die Primärstruktur einer kristallinen monoklonalen Immunglobulin-L-Kette vom  $\kappa$ -Typ, Subgruppe I (Bence-Jones-Protein

Rei.), Isolierung und Charakterisierung der tryptischen Peptide; die vollständige Aminosäuresequenz des Proteins. Palm, Walter, Hilschmann, Norbert (Max-Planck-Institut für Experimentelle Medizin, D-34 Göttingen, Hermann-Rein-Straße 3) - p. 167

*The Journal of Biochemistry*

76 No. 6 (December) 1974

Amino Acid Sequence of an Alkaline Proteinase Inhibitor (*Streptomyces* Subtilisin Inhibitor) from *Streptomyces albogriseolus* S-3253. Ikenaka, Tokuji, et al. (Department of Biochemistry, Niigata University School of Medicine, Niigata 951; and Department of Agricultural Chemistry, College of Agriculture, University of Osaka Prefecture, Sakai, Osaka 591) - p. 1191

Amino Acid Sequence of L-Asparaginase from *Escherichia coli*. Maita, Tetsuo, et al. (Department of Biochemistry, Nagasaki University, School of Medicine, Nagasaki, 852) - p. 1351

Tentative Amino Acid Sequence of Ribonuclease U<sub>1</sub>. Hashimoto, Junjim, Takahashi, Kenji (Department of Biophysics and Biochemistry, Faculty of Science, University of Tokyo, Bunkyo-ku, Tokyo 113) - p. 1359

*The Journal of Biological Chemistry*

249 No. 21 (November) 1974

The Amino Acid Sequence of Human Plasma Prealbumin. Kanda, Yoshikazu, et al. (Department of Medicine, Columbia University College of Physicians and Surgeons, New York, New York 10032) - p. 6796

The Nucleotide Sequence of a Threonine Transfer Ribonucleic Acid from *Escherichia coli*. Clarke, Louise, Carbon, John (Department of Biological Sciences, University of California, Santa Barbara, California 93106) - p. 6874

250 No. 1 (January) 1975

The Complete Amino Acid Sequence of C-I (ApoLp-Ser), an Apolipoprotein from Human Very Low Density Lipoproteins. Shulman, Richard S., et al. (Molecular Disease Branch, National Heart and Lung Institute, National Institutes of Health, Bethesda, Maryland 20014) - p. 182

250 No. 4 (February) 1975

The Covalent and Three-Dimensional Structure of Concanavalin A. II. Amino Acid Sequence of Cyanogen Bromide Fragment F<sub>3</sub>.

Cunningham, Bruce A., et al. (The Rockefeller University, New York, New York 10021) - p. 1503

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250 No. 5 (March) 1975

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*Journal of Molecular Biology*

91 No. 1 (January) 1975

Collagen Polymorphism: Its Origins in the Amino Acid Sequence. Doyle, Barbara B., et al. (Laboratory of Molecular Biophysics, Department of Zoology, South Parks Road, Oxford OX1 3Ps, England) - p. 79

92 No. 2 (February) 1975

The Phylogeny of Trypsin-related Serine Proteases and their Zymogens. New Methods for the Investigation of Distant Evolutionary Relationships. De Haën, Christoph, et al. (Department of Biochemistry, University of Washington, Seattle, Wash. 98195, USA) - p. 225

*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; and Department of Biochemistry, Nagasaki University, School of Medicine, Nagasaki, Japan) - p. 603

254 No. 5495 (March) 1975

Conservation of primary structure in 16S ribosomal RNA. Woese, Carl R., et al. (Departments of Microbiology and Genetics and Development, Urbana, Illinois 61801) - p. 83

*Die Naturwissenschaften*

62 No. 2 1975

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72 No. 1 (January) 1975

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*The Quarterly Review of Biology*

49 No. 4 (December) 1974

Patterns of Faunal Evolution. Anderson, Sydney (American Museum of Natural History, New York, N.Y. 10024) - p. 311

*Science*

187 No. 4181 (March) 1975

Homologous Cysteine-Containing Sequences in Tryptophanyl-tRNA Synthetases from *Escherichia coli* and Human Placentas. Muench, Karl H., et al. (Departments of Medicine and Biochemistry, University of Miami School of Medicine, Miami, Florida 33152, USA) - p. 1089

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