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International Biophysics Congress In Moscow, August 1972

GENERAL SYMPOSIUM SG NEURONAL ORGANIZATION

Monday 7 August

Co-chairmen W. Reichardt (FRG)

G. M. Frank (USSR)

Speakers

H. Hubei (USA)

S. V. Fomin (USSR)

W. Reichardt (FRG)

M. Jacobson (USA)

SYMPOSIUM I. PROTEIN STRUCTURE AND FUNCTION

Theoretical approach to the protein structure

Tuesday 8 August

Co-chairmen A. I. Kitaigorodsky (USSR)

G. N. Ramachandran (India)

Speakers B. Pulman (France)

H. A. Scheraga (USA)

. P. Ptitsyn (USSR)

M. V. Volkenstein (USSR)

S. Lifson (Israel)

Protein structure

Friday 11 August

- Co-chairmen* H. A. Scheraga (USA)
B. K. Vainstein (USSR)
- Speakers* U. Hackert (USA)
T. Takano (USA)
N. S. Andreeva (USSR)
R. H. Kretsinger (USA)
E. Whitehead (Italy)

Protein conformation in solutions

Saturday 12 August

- Co-chairmen* J. T. Edsall (USA)
M. V. Volkenstein (USSR)
- Speakers* O. Jardetsky (USA)
A. Schechter (USA)
P. L. Privalov (USA)
I. M. Lifschits (USSR)
R. Lumry (USA)

SYMPOSIUM II. STRUCTURE AND FUNCTION OF NUCLEIC ACIDS

Structure of nucleic acids

Wednesday 9 August

- Co-chairmen* A. K. Kleinschmidt (USA)
M. A. Mokulsky (USSR)
- Speakers* S. Arnott (USA)
I. Tinoco (USA)
R. L. Baldwin (USA)
G. Felsenfeld (USA)
Yu S. Lazurkin and
M. D. Frank-Kamenetskii (USSR)

Conformation effects in nucleic acids

Sunday 13 August

- Co-chairmen* P. Doty (USA)
Yu. S. Lazurkin (USSR)
- Speakers* B. M. Alberts (USA)
Ch. Zimmer and
G. Luck (DDR)
J. Vinograd (USA)
E. V. Frisman (USSR)

SYMPOSIUM III. BIOPHYSICS OF MOTILITY

Structural basis of motility

Wednesday 9 August

- Co-chairmen* W. Mommaerts (USA)
G. M. Frank (USSR)
- Speakers* F. Oosawa (Japan)
J. Hanson (UK)
F. Guba (Hungary)
W. Drabikowski (Poland)
I. Gibbons (USA)

Analysis of contraction mechanisms (Theories and facts)

Sunday 13 August

- Co-chairmen* F. Buchtal (Denmark)
B. F. Poglasov (USSR)
- Speakers* V. I. Descherevsky (USSR)
R. Podolsky (USA)
R. A. Chaplain (DDR)
N. Kamija (Japan)
D. R. Wilkie (UK)

SYMPOSIUM IV. MEMBRANE STRUCTURE AND FUNCTION

The proteins and lipids in biomembranes

Tuesday 8 August

- Chairman* Yu A. Vladimirov (USSR)
- Speakers* P. Zahler (Switzerland)
S. V. Konev (USSR)
R. D. Keynes (UK)
I. Tasaki (USA)

Paramagnetic probes and labels in studies on biological membranes. Free-radicals in biomembranes

Wednesday 9 August

- Co-chairmen* O. Jardetsky (USA)
V. R. Bistrov (USSR)
- Speakers* H. M. McConnell (USA)
B. Chance,
J. Vanderkooi and
K. Blasi (USA)
Yu A. Vladimirov (USSR)

Ion selectivity and permeability in natural and artificial membranes

Friday 11 August

- Co-chairmen* R. D. Keynes (UK)
Yu. A. Ovchinnikov (USSR)
- Speakers* D. A. Haydon (UK)
A. A. Lev (USSR)
P. G. Kostyuk (USSR)
G. Eisenman (USA)
B. Hille (USA)

Bioenergetic processes in membrane structures

Saturday 12 August

- Co-chairmen* V. P. Skulachev (USSR)
E. C. Slater (Netherlands)
- Speakers* A. Lehninger (USA)
L. Packer (USA)
E. A. Liberman (USSR)
E. C. Slater (Netherlands)
B. Pressman (USA)

SYMPOSIUM V. STRUCTURE AND FUNCTION OF PARAMAGNETIC CENTRES AND FREE RADICALS IN BIOLOGICAL SYSTEMS

Free radicals in photobiological processes

Tuesday 8 August

- Co-chairmen* B. Chance (USA)
A. Krasnovsky (USSR)
- Speakers* E. C. Weaver (USA)
L. A. Blumenfeld (USSR)

Free radical centres and electron transport

Friday 11 August

- Co-chairmen* L. A. Blumenfeld (USSR)
G. Tollin (USA)
- Speakers* L. P. Kayushin (USSR)
A. Ehrenberg (Sweden)

Paramagnetic metal-containing complexes in biological systems

Saturday 12 August

- Co-chairmen* G. Feber (USA)
M. Kotani (Japan)
- Speakers* W. E. Blumberg (USA)
R. Sands (USA)

*Some new aspects of magnetic resonance methods
for biology* Sunday 13 August

Co-chairmen A. Ehrenberg (Sweden)
L. P. Kayushin (USSR)
Speakers J. S. Hyde (USA)
G. Feher (USA)

SYMPOSIUM VI. RADIATION BIOPHYSICS

*Biophysical aspects of radiation effects on
processes of cell division regulation* Wednesday 9 August

Co-chairmen G. Tobias (USA)
A. M. Kusun (USSR)
Speakers J. Kiefer (BRD)
Z. Dienstbier (Czechoslovakia)
E. B. Burlakova (USSR)
D. Kanasir (Yugoslavia)
Fr. Zaidela (France)
G. T. Whitmore (Canada)

*Primary steps of radiation effects on
biopolymers* Friday 11 August

Co-chairmen R. Setlow (USA)
A. A. Krasnovsky (USSR)
Speakers L. Grossweiner (USA)
D. I. Roshchupkin (USSR)
F. Hutchinson (USA)
J. Longworth (USA)
D. Shugar (Poland)

*Radiation effects on biological systems
(Free radicals)* Saturday 12 August

Co-chairmen N. M. Emanuel (USSR)
H. C. Box (USA)
Speakers T. Henrikson (Norway)
M. K. Pulatova (USSR)
H. C. Box (USA)
B. M. Tarusov (USSR)
Yu A. Kudryashov

SYMPOSIUM VII. COMMUNICATION AND CONTROL PROCESSES IN
BIOLOGICAL SYSTEMS

Cerebellum, Formation and regeneration of fibre connections in sensory systems Saturday 12 August

Co-chairmen R. Llinas (USA)
S. V. Fomin (USSR)
Speakers I. M. Gelfand (USSR)
R. Llinas (USA)
O. Oscarsson (Sweden)
M. Jacobson (USA)
B. N. Veprinzev (USSR)

Quantitative analysis of biological systems Sunday 13 August

Co-chairmen W. Siebert (USA)
W. Rosenblith (USA)
Speakers S. Knight (USA)
S. Evans (UK)
E. E. Selkov (USSR)
Y. Mano (Japan)

SYMPOSIUM VIII. MEDICAL BIOPHYSICS

Principles of organisation of movement control systems Wednesday 9 August

Co-chairmen A. Lundberg (Sweden)
V. S. Gurfinkel (USSR)
Speakers A. Lundberg (Sweden)
V. S. Gurfinkel,
P. G. Kostyuk and
M. L. Shick (USSR)
M. Ito (Japan)
A. Pellionisz and
J. Szentagothai (Hungary)

Biophysical aspects of cancerogenesis and malignant growth Sunday 13 August

Co-chairmen N. M. Emanuel (USSR)
L. H. Piette (France)
Speakers N. M. Emanuel (USSR)
Yu. P. Kozlov (USSR)

E. L. Andronikashvili (USSR)
L. H. Piette (France)
H. M. Swarz (USA)

SYMPOSIUM IX. BIOPHYSICS OF RECEPTION

Sunday 13 August

Co-chairmen L. Beidler (USA)
V. G. Samsonova (USSR)
Speakers E. W. Abrahamson (USA)
H. M. Emrich (BRD)
S. L. Bonting (Netherlands)
M. A. Ostrovsky (USSR)
K. Kirschfeld (BRD)

SYMPOSIUM X. COMPUTER TECHNIQUE IN
BIOMEDICAL RESEARCH

Friday 11 August

Co-chairmen J. R. Cox (USA)
G. Ivanitsky (USSR)
Speakers W. Raub (USA)
J. Cox (USA)
G. McCann (USA)
G. Ivanitsky (USSR)
D. Barry (UK)
P. Hugenholtz (Netherlands)

SYMPOSIUM XI. BIORHEOLOGY

Tuesday 8 August

Co-chairmen A. L. Copley (USA)
V. I. Vorob'ev (USSR)
Speakers A. S. Popel
S. A. Regirer
I. M. Skobeleva and
P. I. Usik (USSR)
A. L. Copley
C. R. Huang and
R. G. King (USA)
J. F. Gross and
J. Aroestry (USA)
D. E. Brooks and
D. V. F. Seaman (USA)
L. V. Kuchareva
V. I. Vorob'ev