



Nervecells, Transmitters and Behaviour



Study Week 9-14 October 1978

Programme

I. Sympathetic, Pheochromocytoma and Neuroblastoma Cells: In Vivo and in Vitro Studies

New Features of the Nerve Growth Factor-Target Cells Interaction (R. Levi-Montalcini)

Can Nerve Growth Factor (NGF) Play a Transcription-Dependent "Instructive" Role During Development? Evidence from Studies with Clonal Pheochromocytoma Cells (L. Greene)

Studies on the Mechanism of NGF-Induced Neurite Growth (P. Calissano)

Tumor Specific Surface Properties of Malignant C1300 Neuroblastoma Cells (R. Revoltella)

Synapse Plasticity (M. Nirenberg)

Synapse Formation of Continuous Cell Lines (P. Nelson)

II. Identification and Mechanisms of Neurotransmitters

γ -Aminobutyric Acid (GABA): A Major Inhibitory Transmitter in the Vertebrate Nervous System (E. Roberts)

Mechanisms of GABA Release and Reuptake in Presynaptic Nerve Endings (G. Levi)

The Role of Prostaglandins and Cyclic Nucleotides in Tremors and Convulsions (R. Paoletti)

Neurotransmitters, Cotransmitters, Neuromodulators and Trophic Factors in the Autonomic Nervous System (G. Burnstock)

Histochemical Characterization of Neuron Populations: Immunocytochemical Studies on Transmitter Related Substances (T. Hökfelt)

Studies on the Mechanism of Release of Biogenic Amines from Cerebral Nerve Endings (M. Raiteri)

Dopamine Dependent Modulation of cAMP Level in the Chick Retina (F. De Mello)

III. Enkephalins: Synthesis, Function and Receptor Mechanisms

Enkephalins: Receptors, Biosynthesis and Release (H.W. Kosterlitz)

Endorphins and the Endogenous Control of Pain (L. Terenius)

Hybrid Cells as Model for Studying Opioid Action (B. Hamprecht)

IV. Specificity in Neuronal Connections and Plasticity in the Immature and Mature Nervous System

Maturational Changes in the Development of Motor Innervation in Chick Embryo (G. Filogamo)

Prespecification and Plasticity in Neurogenesis (V. Hamburger)

Biochemical Control of Synapse Formation "In Vivo" (E. Giacobini)

On the Regulation of the Number and Distribution of Acetylcholine Receptors in Skeletal Muscle (D. Fambrough)

Selective Innervation of Mammalian Sympathetic Ganglion Cells (D. Purves)

Interaction between Inactivity and Nerve Degeneration in the Origin of Denervation-Induced Changes in Skeletal Muscle (A. Cangiano)

V. Hemispheric Specialization: Studies in the Split and Intact Brain

Events-Related Potentials in the Cerebral Cortex (J. Eccles)

The Problem of Hemispheric Specialisation in Animals (L. Weiskrantz)

Complementary Functional Specializations of the Human Cerebral Hemispheres (B. Milner)

Cerebral Asymmetry and its Variations in the Human Brain (J. Levy)

Cortical and Subcortical Routes for Visual Interhemispheric Transfer in the Cat (G. Berlucchi)

List of Participants

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