

MEETINGS

September 20-23, 1967 held in Geneva, Switzerland

International conference on the use of radioactive isotopes in pharmacology

The Conference is sponsored by :

Faculté de Médecine de l'Université de Genève

Délégué du Conseil Fédéral Suisse aux questions de l'Energie Atomique, Berne

Département des radioéléments du Commissariat à l'Energie Atomique, Paris

EURATOM, Bruxelles.

PROGRAMME

Wednesday morning 20 Sept. 1967

Opening of the Conference

Prof. P. G. WASER, Chairman of the Conference, Zürich

Prof. B. GLASSON, Secretary-general to the Conference, Geneva.

1. SYNTHESIS AND METHODOLOGY PROBLEMS

L. PICHAT (Saclay, France). — Problèmes du choix de méthodes de synthèses chimiques de molécules marquées sur l'exemple de l'acide δ -amino-lévulinique ^{14}C et ^3H .

L. CLARK (Chicago, U. S. A.). — Problems of labelling and purifying quaternary ammonium compounds for their study.

J. R. CATCH (Amersham, England). — Stability of radioactive chemicals and drugs.

R. H. MARTIN (Bruxelles, Belgique). — Etude des molécules marquées par spectrographie de masse.

Wednesday afternoon

K. SCHMID (Bale, Suisse). — Isotope dilution analysis with the aid of preparative thin layer Chromatography.

D. COMAR (Orsay, France). — Applications biologiques et pharmacologiques de l'analyse par activation.

G. POPJACK (London, England). — Gas liquid radio gas chromatography. Visit to European Organisation for Nuclear Research (CERN).

Thursday morning 21 Sept. 1967

2. AUTORADIOGRAPHY AND ELECTRON MICROSCOPY

L. J. ROTH (Chicago, U. S. A.). — Autoradiography at histological levels of drugs.

H. ECKERT (Bâle, Suisse). — Autoradiography of soluble substances in electron microscopy.

H. ROHR and W. OEHLERT (Freiburg i. Breisgau, Deutschland). — The possibilities of application of electronmicroscopic autoradiography.

A. G. MALMON (Bethesda, U. S. A.). — High resolution isotopes tracing in electron microscopy using induced nuclear reactions.

Thursday afternoon

3. SPECIFIC RECEPTORS

G. MILHAUD (Paris, France). — Aspects biochimiques du récepteur spécifique.

H. VELDSTRA (Leiden, Holland). — On the detection of specific receptors; primary sites of action.

S. ULLBERG (Stockholm, Sweden). — Tissue localization in relation to action.

J. AXELROD (Bethesda, U. S. A.). — The use of isotopes in studying adrenergic mechanisms.

H. DAVSON (London, England). — Isotopes and the central nervous system.

J. RELLER et P. G. WASER (Zürich, Schweiz). — Autoradiographie des plaques motrices du diaphragme de souris avec le D. F. P.

Friday morning 22 Sept. 1967

4. BIOCHEMICAL AND PHARMACOLOGICAL MECHANISMS

R. PAOLETTI (Milan, Italie). — Drug induced selective accumulation of labelled sterols in mammalian tissues.

R. E. MAC CAMAN (Indiana, U. S. A.). — The intermediary metabolism of phospholipids in nervous tissue as studied with quantitative micro-enzymatic methods.

H. AEBI (Bern, Schweiz). — Kinetic isotopes effects in metabolic studies with deuterated compounds.

H. REMMER (Tübingen, Deutschland). — Drug tolerance by increased drug metabolism.

Friday afternoon

G. SEGRE (Camerino, Italy). — Models for kinetics in pharmacology.

Y. COHEN (Saclay, France). — Applications des modèles.

B. JEANRENAUD et A. RENOLD (Genève, Suisse). — Applications des isotopes radioactifs à l'étude d'actions hormonales dans le métabolisme intermédiaire des tissus.

Mme P. DAUDEL (Paris, France). — L'utilisation du radiocarbonate dans l'étude des mécanismes de la carcinogénèse chimique.

H. LETTRE (Heidelberg, Deutschland). — The mode of action of some cytotoxic compounds analyzed by use of labelled molecules.

Closing date for registration : 1 August 1967.

SCIENTIFIC CONTRIBUTIONS

Over and above the foregoing programme, short papers will be accepted, provided that they relate to the chosen subjects. Summaries of such papers will be distributed at the Conference. Closing date for forwarding summaries : 1 August 1967.

EXHIBITION

From 19 to 23 September, an exhibition of scientific instruments and equipment will be held in the hall leading to the conference room.

All correspondence to :

CONFERENCE SECRETARIAT-GENERAL
20, Bld d'Yvoy
1221 Geneva 4 (Switzerland)