The Fifth International Congress for X-Ray Optics and Microanalysis will be held from September 8th to 13th, 1968 in Tübingen (Germany). The Congress will be arranged by the Institute of Applied Physics at the University of Tübingen (Prof. Dr. G. Möllenstedt) in collaboration with the German Society for Electron Microscopy, Prof. Dr. R. Castäing, Paris, and Prof. Dr. V. E. Cosslett, Cambridge.

It is intended to review the present state of x-ray optics and x-ray microanalysis in a series of survey lectures and short communications, restricting the subjects of the papers to the following fields:

- X-Ray Optics
- Microanalysis and Corpuscular Optics
- Electron Probe Microanalysis
- Instrumentation
- Microdiffraction, Cathodoluminescence
- Metallurgical and Mineralogical Applications
- Biological Applications

An exhibition of instruments and photographs is planned.

If you are interested in obtaining further information, please write to the following address:

Sekretariat des V. Internationalen Kongress für Röntgenoptik und Mikroanalyse, Herrn Dr. K. H. Gaukler, Institut für Angewandte Physik der Universität Tübingen, Zeppelinstrasse 6, 74 Tübingen (Germany).

2nd International Seminar on Reproductive Physiology and Sexual Endocrinology

Bruxelles, May 30-June 1, 1968

The Seminar will be held in the Department of Obstetrics and Gynecology, Hôpital Universitaire Saint-Pierre, Bruxelles under the auspices of the Fondation Jean Snoeck and the Ford Foundation.

1st Topic: Ovo-implantation

Thursday May 30 (8.30-12.30 and 14.30-18.00)
Morning: Present day problems in research about nidation. – Primary tropho-blastic invasion at the time of nidation. – Phagocytic potentialities of early tropho-blast. – Electron microscopy of normal nidation. – Ovo-implantation “in vitro”.

Afternoon: Immunological aspects of nidation. – Hormonal conditioning of endo-metrial receptivity to the implanting ovum. – Determinism of the decidual reaction. Endometrial DNA activity at the time of nidation.

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Friday May 31 (9.30-12.00)
Morning: Present knowledge of nidation in the human. – Round table discussion on ovo-implantation, its clinical implications in sterility and fertility problems.
2d Topic: Human gonadotropins and prolactin Friday May 31 (14.00-18.00)
Afternoon: General physiology of the hypothalamic hypophyseal gonadal axis. -Pituitary
cytology in relation with gonadotropins production. – Releasing factors. -Identification and
isolation of gonadotropic activities. – Relationship between biological activities and antigenic
properties. – Clinical use of gonadotropins.
Saturday June 1 (8.30-13.00)
Morning: Prolactin and growth hormone in mammals. – Human prolactin and its hypothalamic
regulation. – Human pituitary prolactin extraction and purification. -Placental lactogen. – Round
table discussion on human gonadotropins and prolactin and their clinical implications.
Each subject will be developed by an invited lecturer. The following speakers have already
accepted to participate in the Seminar: M. Apostolakis (Hamburg), F. Bolengier (Bruxelles), R.
Courrier (Paris), L. Cox (Adelaide), S. J. Bolley, I. Forsythe (Reading), T. W. Glenister (London),
W. J. Hamilton (London), M. Merlant (Bruxelles), M. Jutisz (Paris), D. R. S. Kirby (Oxford), F.
Leroy (Bruxelles), C. Mayer (Bordeaux), J. Mulnard (Bruxelles), J. L. Pastel (Bruxelles), C. J.
Robyn (Stockholm and Bruxelles), I. B. Wilson (Bangor), M. C. She-lesnyak (Rehovoth).
Some short papers may be accepted from participants within the limits of the subjects and
limitations of the time available for discussion. If necessary this could be extended to the
afternoon of Saturday June 1st.
The languages used will be French and English.
XIth International Botanical Congress
The XIth International Botanical Congress will meet at the University of Washington, Seattle,
information regarding the Congress has already been mailed to more than 40,000 individuals and
organizations. If you wish to receive one, write to:
Dr. Richard S. Cowan, Secretary XIth International Botanical Congress, 3900 Wisconsin
Avenue, N.W., Washington, D.C. 20016 (U.S.A.).
Although the First Circular indicates December 1, 1967 as the date by which ipreliminary
registration forms must be returned, inquiries and registrations after that date will be welcome.
European Society for Microcirculation
The European Society for Microcirculation announces its 5th Conference as an International
Conference on Microcirculation to be held at the University of Göteborg, Gothenburg (Sweden),
June 24-29, 1968.
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All individuals interested in the microcirculation are hereby cordially invited to participate. In
addition to free communications the Organizing Committee is interested in arranging symposia
and discussions on the following themes:
Interdisciplinary Approach to Microcirculation,
Rheology and Microcirculation,
Coagulation, Fibrinolysis and Microcirculation.
The Conference Proceedings will be published by S. Karger, Basel/New York, as were the
previous ones.
Scientific exhibits will be accepted and a workshop will be arranged at which the exhibitors will
be available to discuss their subject. Films will be accepted and shown at special sessions. The
Organizing Committee also plans to have demonstrations and visits to laboratories and wards.
All who wish to receive further information, please write to: Professor Lars-Erik Gelain, Surgical
Department I, Sahlgrenska Sjukhuset, Gothenburg S V (Sweden).