

## SCHEDULE FOR REFRESHER COURSE, SYMPOSIA, TUTORIALS AND SPECIAL SESSIONS

### Oct. 12 - MONDAY MORNING

Refresher Course: Physiology of Aging, Paola S. Timiris.

### Oct. 12 - MONDAY AFTERNOON

Workshop (3:00 - 5:00): Legislative Issues Concerning Animal Experimentation, Helene C. Cecil.

### Oct. 13 - TUESDAY MORNING

Symposium: Measuring Cellular Transport in vivo, James B. Bassingthwaite.

Clinical Symposium: Coordination of Metabolism and Contractility by Phosphorylation in Cardiac, Skeletal and Smooth Muscle - Session I, General Principles, R.J. Paul.

Tutorials:

Metabolic Functions of the Lung, Sami I. Said.

Control of Breathing During Exercise, Karlman Wasserman.

Oxygen Transport by Fluorocarbon Bloods, Leland C. Clark.

### Oct. 13 - TUESDAY AFTERNOON

Symposium: Structure and Function of the Na, K-ATPase, Arnold Schwartz.

Symposium: Blood Oxygen Affinity as a Factor in Tissue Oxygen Delivery, Stephen M. Cain.

Tutorials:

Investigations of Cell-cell Interactions: An in vitro Approach, William W. Wilfinger.

Descending Pathways of Pain Inhibition, Michael M. Behbehani.

Mesenteric Vascular Physiology, Eugene D. Jacobson.

Bowditch Lecture (4:30): New Computer Technologies and Their Potential for Expanded Vistas in Biomedicine, Barry K. Gilbert.

APS Annual Banquet (6:45), Netherland Hilton.

### Oct. 14 - WEDNESDAY MORNING

Clinical Symposium: Coordination of Metabolism and Contractility by Phosphorylation in Cardiac, Skeletal and Smooth Muscle - Session II, Cardiac and Skeletal Muscle, R.J. Solaro.

Tutorials:

Salt and Water Transport by Proximal Tubule, James A. Schafer.

Regulation of the Renal Circulation by Prostaglandin-dependent Mechanisms, John C. McGiff.

The Renin-angiotensin System and the Brain, Ian A. Reid.

### Oct. 14 - WEDNESDAY AFTERNOON

Symposium: Solute and Water Transport in Invertebrate Epithelia, G.A. Gerencser.

Tutorials:

Ion Selective Microelectrodes and Measurement of Na<sup>+</sup>, K<sup>+</sup> and Ca<sup>++</sup> in the Heart, Harry A. Fozzard.

High Density Lipoproteins: Atherosclerosis from Cradle to Grave, Charles J. Glueck.

Workshop (2:00 - 6:00): Circulatory Regulation of Oxygen Delivery and Uptake in the Small Intestine, D. Neil Granger.

Special Session (4:30): Career Opportunities: Criteria for Employment of Physiologists in Academic Departments, Walter C. Randall.

Open House (7:30): University of Cincinnati Medical School. Presentation: "9 Who Knew Pavlov," Gustave Eckstein.

### Oct. 15 - THURSDAY MORNING

Symposium: Coordination of Metabolism and Contractility by Phosphorylation in Cardiac, Skeletal and Smooth Muscle - Session III, Coordination of Metabolism and Contractility in Smooth Muscle, J. DiSalvo.

Symposium: Intrinsic Regulation of Renal Hemodynamics, L. Gabriel Navar.

Symposium: Cardiovascular Adaptations to Chronic Exercise, James Scheuer.

Tutorials:

Thyroid Hormones and Membrane Function and Development, Paola S. Timiras.

Ovarian Steroids and the Regulation of LH Secretion, David M. Baldwin.

Lysosomal Mechanisms of Blastocyst Implantation, Bruce C. Moulton.

### Oct. 15 - THURSDAY AFTERNOON

Symposium: Hormonal Control of Liver Protein Synthesis, Leonard S. Jefferson.

Symposium: Maximal Work Tolerance in Hyperbaric Environment, Suk Ki Hong.

Tutorials:

Metabolic Control of the Coronary Circulation, Ray A. Olsson.

Local Blood Flow Control in Exercising Skeletal Muscle, Harvey V. Sparks, Jr.

Membrane Mechanisms of Myotonia, Shirley H. Bryant.

APS Business Meeting (4:30)

### Oct. 16 - FRIDAY MORNING

Symposium: Neural Control of the Circulation During Exercise, Jere H. Mitchell.

Symposium: Use of Radioisotopes for Quantitative Studies of Metabolism, Especially in the Lung, D. Eugene Rannels.

Tutorials:

Actions of the Renin Pressor System in Hypertension, Carlos M. Ferrario.

Developmental Renal Physiology, Leonard I. Kleinman.

Tubular Reabsorption of Low Molecular Weight Proteins, Ernest C. Foulkes.