

DEVELOPMENTAL BIOLOGY

FIRST SESSION

May 17, 1973, 2:00 P.M.

Balboa-Anza Room

MODERATOR: Joseph B. Warshaw

1. 2:00 SERUM GONADOTROPIN AND SEC STEROID CONCENTRATIONS IN THE HUMAN FETUS. Jeremy S. D. Winter, Richard Boroditsky, Charles Faiman and Francisco I. Reyes. University of Manitoba, Depts. of Paediatrics, Obstetrics-Gynaecology and Physiology, Winnipeg.
2. 2:15 ANTI-HEART ANTIBODY PRODUCTION OF CRADIOVASCULAR MALFORMATIONS IN THE MOUSE. James J. Nora, Vincent N. Miles, Jill H. Morriss, and E. Joy Weishuhn, Univ. of Colorado Med. Ctr., Denver, and Michael R. Nihill, Texas Children's Hosp., Houston.
3. 2:30 COLLAGEN IN EARLY HEART DEVELOPMENT. Johnson, Randall C., Francis J. Manasek, Walter C. Vinson, and Jerome M. Seyer (Introduced by Alexander S. Nadas) The Children's Hospital, Depts. of Cardiology and Orthopedics and Harvard Medical School, Dept. of Anatomy.
4. 2:45 DIURNAL PATTERNS OF DNA SYNTHESIS: MODIFICATION BY DIET AND FEEDING SCHEDULE. Peter R. Dallman and Robert A. Spirito, University of California-San Francisco, Dept. of Pediatrics.
5. 3:00 DNA SYNTHESIS IN CATCH-UP GROWTH. Hector G. Jasper & Jo Anne Brasel. College Physicians & Surgeons, Inst. Human Nutrition & Dept. Pediatrics, New York.

- 3:15 Intermission -

6. 3:35 MATERNAL NUTRITION AND FETAL GROWTH. Richard L. Naeye, William A. Blanc, Depts. of Pathology, Pennsylvania State University College of Medicine, Hershey, Pa., and Columbia University College of Physicians & Surgeons, New York City.
7. 3:50 POLYAMINE BIOSYNTHESIS IN HUMAN FETAL LIVER AND BRAIN. John A. Sturman & Gerald E. Gault, Dept. Ped. Res., N.Y. State Inst. Res. Mental Retard., Staten Island, N.Y., & Dept. Ped., Div. Med. Genet. & Clin. Genet. Center, Mt. Sinai Sch. Med., CUNY, New York

8. 4:05 EVIDENCE FOR FETAL GENE EXPRESSION IN 21-TRISOMIC FIBROBLASTS TRANSFORMED BY SV₄₀ VIRUS. Oliver W. Jones, Pamela N. Porter and David L. Bull., Univ. of Calif., San Diego, Dept. of Med., La Jolla.
9. 4:20 INDEPENDENT BIOSYNTHETIC CONTROL OF α and β chains OF HEMOGLOBIN. George R. Honig, Jeffrey L. Wolf, and R. George Mason. Univ. of Illinois College of Medicine, Univ. of Ill. Hospital, Department of Pediatrics, Chicago.
10. 4:35 DRUG-BILIRUBIN INTERACTION: AN ALTERNATE HYPOTHESIS FOR KERNICTERUS by Joseph Krasner, Ph.D., Micheal Thaler, M.D. and Sumner J. Yaffe, M.D., Department of Pediatrics, State University of New York, Children's Hospital Buffalo, N.Y. and Univ. of California, San Francisco.

DEVELOPMENTAL BIOLOGY

SECOND SESSION

May 19, 1973, 2:00 P.M.

Balboa-Anza Room

11. 2:00 CORTISOL AND LUNG CHOLINE PHOSPHOTRANSFERASE (CPT) ACTIVITY IN THE FETAL RAT AFTER in utero DECAPITATION. Farrell, P.M., and Blackburn, Will R. Intro. by Paul A. di Sant'Angese NIH, Bethesda.
12. 2:15 HUMAN FETAL LUNG CELLS IN MONOLAYER CULTURE: GROWTH ENHANCEMENT WITH CORTISOL. Barry T. Smith, John S. Torday, and C.J.P. Giroud (Intro. by M.E. Avery). Dept. Exp. Med., McGill Univ. and The McGill Univ.-Montreal Children's Hosp. Res. Inst., Montreal.
13. 2:30 HUMAN LUNG: A TARGET TISSUE FOR GLUCOCORTICOIDS? Philip L. Ballard and Robert A. Ballard (Intro. by W. H. Tooley) Cardiovascular Research Institute, NHLI Special Center of Research - Pulmonary and Department of Pediatrics, University of California, San Francisco.
14. 2:45 FATTY ACID SYNTHESIS BY THE DEVELOPING LUNG. Ian Gross and Joseph B. Warshaw, Harvard Med. Sch., Mass. Gen. Hosp., Shriners Burns Inst., Boston Hosp. for Women, Boston.
15. 3:00 DEVELOPMENTAL CHANGES IN SOME CYTOPLASMIC ENZYMES OF ADIPOSE TISSUE IN HUMAN NEWBORN INFANTS. Milan Novak, Peter Hahn, Duna Penn, Ellen F. Monkus and Lawrence T. Kirby, Dept. of Ped., Univ. of Miami, Sch. of Med., Miami, and Dept. of Ped., and Obst. and Gynec., Univ. of Brit. Columbia, Sch. of Med., Vancouver.

- 3:15 Intermission -

16. 3:35 CEREBRAL OXIDATION OF GLUCOSE AND D-BOH-BUTYRATE BY THE ISOLATED PERFUSED HUMAN FETAL HEAD. Peter A. J. Adam, Neils Raitha, Eeva-Liisa Rahiala, and Martti Kekomaki. Case Western Reserve Univ., Cleveland, and the University of Helsinki Departments of Pediatrics.
17. 3:50 THE INFLUENCE OF HIGH FAT DIET ON BRAIN GLYCOLYSIS. P. T. Ozand, J. Stevenson, J. T. Tildon & M. Cornblath, Univ. of Maryland Sch. of Med., Dept. of Peds., Baltimore & Rosewood State Hosp., Owings Mills, Md.

18. 4:05 FETAL GROWTH RETARDATION AND CELL METABOLISM. Uwe Stave,
Fels Research Inst., Yellow Springs, Ohio
19. 4:20 PHASES OF FETAL METABOLIC ADJUSTMENT TO MATERNAL STARVATION.
Michael A. Simmons, Giacomo Meschia, Edgar L. Makowski, and Frederick C.
Battaglia. Division of Perinatal Medicine, University of Colorado
Medical Center, Denver.
20. GLUCONEOGENIC CAPACITY ON NEONATAL PIG LIVER. Thomas A. Helmrath and Loran
L. Bieber (Intr. by William B. Weil, Jr.) Michigan State Univ., Col. of
Human Med., Dept. of Human Develop. and Biochem., E. Lansing.