GENETICS

FIRST SESSION

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

Dolores-Cabrillo Room

MODERATOR: Henry N. Kirkman

1. 2:00 PRENATAL DIAGNOSIS OF METHYLMALONICACIDURIA. Maurice J. Mahoney, Leon E. Rosenberg, John Wladenstrom, Bengt Lindblad, and Rolf Zetterstrom. Yale Univ., Depts. of Human Genetics and Ped., New Haven; Univ. Gothenburg, Dept. Clinical Chem., Gothenburg; Karolinska Institute, Dept. of Ped., Stockholm.

2. 2:15 PEPTIDES OF ABNORMALLY LOW MOLECULAR WEIGHT IN ECTODERMAL DYSPLASIC HAIR. R. J. M. Gold & Z. Kachra (Intr. by C. Scriver), MRC Genetics Group McGill Univ., Montreal.

3. 2:30 BIOCHEMICALLY MUTANT LYMPHOCYTES IN LONG-TERM CULTURE. Arthur D. Bloom Elaine B. Spector, and Sandra A. Streeter. University of Michigan Medical School, Departments of Human Genetics and Pediatrics, Ann Arbor.

4. 2:45 REPAIR OF ENZYME DEFICIENCY IN MURINE SOMATIC CELLS BY PROVISION OF REGULATORY ELEMENT OF CHICK ORIGIN. Bohdan Bakay, Carlo M. Croce, William L. Nyhan and Hilary Koprowski. Dept. of Pediatrics, UCSD School of Medicine, La Jolla, and The Wistar Inst., Philadelphia.

5. 3:00 GENETIC HETEROGENEITY IN I-CELL DISEASE (MUCOLIPIDOSIS II). Janet H. Glaser, William S. Sly, Chen-Kung Ho, and Elizabeth Neufeld. Washington Univ. Sch. Med. and NIAMD, NIH, St. Louis Children's Hosp. Dept. Ped. and Med., St. Louis.

- 3.15 Intermission -

6. 3:35 ANTENATAL DIAGNOSIS OF MUCOLIPIDOSIS II (I-CELL DIS.) Richard J. Warren[1], Colin J. Condron[1], David Hollister[6], Frans Huijing[2], Elizabeth F. Neufeld[4], Clara W. Hall[4], Allan G. W. McLeod[3], Andrew E. Lorincz[5], Depts. Ped.[1], Bioch.[2], and Obst[3]., Univ. Miami Sch. Med., NIAMDD, NIH, Bethesda, Maryland[4], CDLD, Univ. of Alabama, Birmingham[5], Dept. of Ped., UCLA, Los Angeles.

7. 3:50 A POSSIBLE BIFUNCTIONAL ROLE FOR CYSTATHIONINE SYNTHASE. Oliver W. Jones and Mary A. Grishaver. Univ. of Calif., San Diego, Dept. of Med., La Jolla (Introduced by Jerry A. Schneider).

8. 4:05 NORMAL VALUES OF HEMOGLOBIN A SYNTHESIS IN THE DEVELOPING FETUS. Haig H. Kazazian, Jr., Andrea P. Woodhead, and Michael M. Kaback, Johns Hopkins Univ. Sch. of Med., Dept. of Ped., Baltimore.

9. 4:20 COMPREHENSIVE TESTING FOR THALASSEMIA TRAIT, Howard A. Pearson, Richard T. O'Brien, Sue McIntosh, and Gregg T. Aspnes., Department of Pediatrics, Yale University School of Medicine, New Haven.

10. 4:35 ALPHA-ANTITRYPSIN DEFICIENCY: A VARIANT WITH NO DETECTABLE ALPHA-ANTITRYPSIN. Richard C. Talamo, Carol E. Langley, Charles E. Reed, Sohei Makino. Harvard Med. Sch., Children's Service, Mass. Gen. Hosp. Boston, and Univ. of Wisconsin Sch. of Med., Dept. of Med., Madison.

GENETICS

SECOND SESSION

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

Dolores-Cabrillo Room

11. 2:00 NATURE OF X-AUTOSOME TRANSLOCATION AND CHOICE OF X-INACTIVATION. E. Sujansky, L. Y. Hsu, M. Lucas and K. Hirschhorn. Mt. Sinai Sch. of Med., N.Y.C., and Univ. College, London, Engl.

12. 2:15 LOCALIZATION OF GENEX ON THE X CHROMOSOME BY SOMATIC CELL HYBRIDIZATION. P. Gerald, G. Bruns, V. Monedjikova, Children's Hospital Medical Center, Boston and Wrentham State School, Wrentham, Mass.

13. 2:30 INCORPORATION OF ISOLATED HUMAN METAPHASE CHROMOSOMES BY CULTURED HUMAN FIBROBLASTS. Mark W. Steele, Univ. of Pittsburgh Sch. of Med., and Children's Hosp. Dept. of Ped., Pittsburgh.

14. 2:45 PARTIAL TRISOMY OF CHROMOSOME 1 IN A FAMILY WITH A t(1q-;4q+) TRANSLOCATION. Richard L. Neu and Lytt I. Gardner, State Univ. of New York, Upstate Med. Ctr., Dept. of Ped., Syracuse.

15. 3:00 EPIDEMIOLOGY OF CHROMOSOMAL ANEUPLOIDY, Arthur Robinson, Walter Goad Theodore T. Puck, Univ. of Colo. Med. Ctr., Denver and Los Alamos Scientific Lab., Los Alamos, N. Mex.

- 3.15 Intermission -

16. 3:35 NON-FLUORESCENT AND NON-HETEROCHROMATIC STAINING CHROMOSOME IN 45,X/46, XY MOSAICISM. L. Y. F. Hsu, H. J. Kim, L. Steinfeld, and K. Hirschhorn, Mt. Sinai Sch. of Med., Dept. of Ped., N.Y.C.

17. 3:50 PARTIAL TRISOMY 7 AND PARTIAL MONOSOMY 7 IN CHILDREN OF A FATHER WITH A BALANCED CHROMOSOME TRANSLOCATION (46, XY, t(7q-;21q+)), Harold N. Bass, S. Michael Marcy, Barbara F. Crandall (Intr. by E. Richard Stiehm) Kaiser-Permanente, Panorama City, Ca.

18. 4:05 CRANIOFACIAL DYOSTOSIS WITH FOOT ABNORMALITIES: A DISTINCTIVE AUTOSOMAL DOMINANT PHENOTYPE: Charles E. Jackson, Lester Weiss, James A. Peterson, William A. Reynolds, Tod F. Forman, Henry Ford Hospital, Detroit, Michigan and Elkhart Clinic, Elkhart, Indiana.

19. 4:20 SHORT MUSCLE SYNDROME. C. Charlton Mabry and M. William Hutcheson Department of Pediatrics, University of Kentucky Lexington.

20. 4:35 EVALUATION OF A GENETIC COUNSELING SERVICE. Elizabeth J. Ives, Pat M. Petersen and Sharon E. Cardwell. (Intr. by J. W. Gerrard), Univ. of Saskatchewan, Dept. Ped. Saskatoon, Sask.