

Istituto Scientifico G.Gaslini
International School of
Pediatric Sciences - Genoa

FEBS (Federation of European
Biochemical Societies)

EUROPEAN SCHOOL OF MEDICAL GENETICS
SESTRI LEVANTE (Genoa), April 6-12 1988
PROGRAM

WEDNESDAY 6

- 8.30-12.30: V.A.Mc Kusick (Baltimore): History of Medical Genetics: an introduction to principles of human genetics
A.M. Frischauf (London): Introduction to molecular genetics
G.Romeo (Genoa): DNA polymorphisms and disease
A.Cao (Cagliari) and S.Ottolenghi (Milano): Thalasseмии as a model of molecular disease
- 15.30-17.30: J.Ott (New York): Introduction to linkage
Workshop: pedigree analysis, use of computerized programs (Linkage, OnLine Mendelian Inheritance in Man, Genatlas)
- 18-18.30: Questions from students
- 18.30-20: T.Caskey (Houston): Lesch-Nyhan disease: Molecular basis, neuropathology and mouse model

THURSDAY 7

- 8.30-12.30: Dalla Piccola (Rome): Methods of cytogenetic analysis
M.Ferguson-Smith (Cambridge): From chromosomal to molecular mutations
C.Junien (Paris): Molecular characterization of constitutional and acquired chromosomal rearrangements
M.Rocchi (Genoa): Cytogenetic methods for physical gene mapping
- 15.30-17.30: Workshop on clinical cytogenetics
- 18-18.30: Questions from students
- 18.30-20: A. de la Chapelle (Helsinki), M.Ferguson-Smith (Cambridge) and others: Clinical, cytogenetic and molecular aspects of sex determination

FRIDAY 8

- 8.30-12.30: A.Piazza (Turin), M.Berg (Oslo) and A.Bowcock (Stanford): Principles of population genetics (with particular reference to linkage disequilibrium, association, etc.)
Different contributions to: Genetics and the environment
- 15.30-17.30: Workshop: problem solving session on population genetics
- 18-18.30: Questions from students
- 18.30-20: R.Norio (Helsinki): The Finnish disease heritage
G.Romeo (Genoa): Consanguinity and disease in Italy

SATURDAY 9

- 8.30-12.30: Session on linkage coordinated by J.Ott
M.Baur (Bonn): Computerized program for haplotype reconstruction
J.Mohr (Copenhagen): Some highlights of linkage studies in man
K.Berg (Oslo): Linkage and clinical variation of inherited disorders
V.A.Mc Kusick (Baltimore): The human genome (status of the map)
- Afternoon: Boat trip to Portofino (depending on weather conditions)
Evening: free

SUNDAY 10

- 8.30-12.30: A.M.Frischauf (London): The methods of reverse genetic
M.Bobrow (London): Duchenne muscular dystrophy
H.H.Ropers (Nijmegen): Myotonic dystrophy
G.Romeo (Genoa), J.Mohr (Copenhagen) and X.Estivill (Barcelona): Review on cystic fibrosis research
- 15.30-17.30: Workshop on molecular genetics (I)
18-18.30: Questions from students
18.30-20: G.Andria (Catanzaro), A.Ballabio (Naples), and M.Ferguson-Smith (Cambridge): Molecular and clinical aspects of steroid sulphatase deficiency

MONDAY 11

- 8.30-12.30: K.Berg (Oslo): Genetics of coronary heart disease and its risk factors
G.Utermann (Innsbruck): Genes contributing to the population variance of quantitative lipoprotein traits and multifactorial hyperlipidemia
G.Bianchi (Milan): Essential hypertension in man and in animal models
R.B.Barber (Milan): Selection and breeding of hypertensive rats
A.Sidoli (Milan): Molecular genetics of hypertension
- 15.30-17.30: Workshop on molecular genetics II
18-18.30: Questions from students
18.30-20: T.Caskey (Houston): Gene Therapy

TUESDAY 12

- 8.30-12.30: Session on prenatal diagnosis coordinated by J.C.Kaplan (with contributions from A.Cao (Cagliari), P.Durand (Genoa), M.Cordone (Genoa) M.Lituanica (Genoa) and M.Pembrey (London))
- 15.30-17.30: R.Norio (Helsinki): Use of a manual data bank as a diagnostic aid in clinical genetics
Workshop: use of a computerized program for syndromology
- 18-18.30: Questions from students
18.30-20: G.Bernardi (Paris): The organization of the human genome

WEDNESDAY 13

- Optional guided excursion to the Cinque Terre (train+walking)