

LIST OF PARTICIPANTS

- DR. RUTH ASHKENAZI, Department of Physiology, Hadassah-Hebrew University School of Medicine, Jerusalem, Israel.
- DR. ABRAHAM ATSMON, Professor of Medicine, Tel-Aviv University School of Medicine, Tel-Aviv, Israel.
- DR. ROBERT H. BELMAKER, Director, Department of Research, Jerusalem Mental Health Center. P.O.B. 140, Jerusalem, and Lecturer, Department of Psychiatry, Hadassah-Hebrew University School of Medicine, Jerusalem, Israel.
- DR. BARRY D. BERGER, Professor and Chairman, Department of Psychology, Haifa University, Haifa, Israel.
- DR. SAMUEL I. COHEN, Consultant Psychiatrist, The London Hospital (Whitechapel) England.
- DR. SHAMAI DAVIDSON, Director, Shalvata Psychiatric Center. Hod Hasharon, Israel.
- DR. RICHARD P. EBSTEIN, Senior Neurochemist, Jerusalem Mental Health Center, P.O.B. 140, Jerusalem, Israel. and Research Associate, Department of Psychiatry, Hadassah-Hebrew University School of Medicine, Jerusalem, Israel.
- DR. ELI EDELSTEIN, Associate Professor of Psychiatry, Hadassah-Hebrew University School of Medicine, Jerusalem, Israel.
- DR. AVNER ELIZUR, Shalvata Psychiatric Center, Hod Hasharon, Israel, and Tel-Aviv University Medical School, Tel-Aviv, Israel.
- DR. MARGIT FISCHER, Institute of Psychiatric Demography, Aarhus Psychiatric Hospital and Department of Psychiatry Aarhus University, Aarhus, Denmark.
- DR. ELLIOT S. GERSHON, Chief, Unit on Psychogenetics, Adult Psychiatry Branch, National Institute of Mental Health Bethesda, Maryland 20014, U.S.A.

- DR. SAMUEL GERSHON, Professor of Psychiatry, Neuropsychopharmacology Research Unit, Department of Psychiatry, New York University Medical Center, New York, U.S.A.
- DR. RUTH GUTTMAN, Department of Psychology, Hebrew University, Jerusalem, Israel.
- DR. SEYMOUR S. KETY, Psychiatric Research Laboratories, Massachusetts General Hospital, Boston, Massachusetts, and Professor of Psychiatry, Harvard Medical School, Boston, Mass. U.S.A.
- DR. AMOS D. KORCZYN, Department of Physiology and Pharmacology, Sackler School of Medicine, Tel-Aviv University, Israel.
- DR. JONATHAN MAGNES, Professor of Physiology, Hebrew University, Jerusalem, Israel.
- DR. ARNOLD MANDELL, Professor and Co-Chairman, Department of Psychiatry, University of California at San Diego La Jolla, California 92093 U.S.A.
- DR. JULIEN MENDLEWICZ, New York State Psychiatric Institute
Department of Medical Genetics, New York, N.Y. 10032, U.S.A.
Current Address: Institut de Psychiatrie,
Hopital Universitaire Brugmann
4, place Van Gehuchten,
Brussels 1020, Belgium.
- DR. HERMAN M. van PRAAG, Professor and Chairman, Department of Biological Psychiatry, State University Groningen, Groningen, Netherlands.
- DR. RANAN RIMON, Professor of Psychiatry, University of Kuopio, Finland. Currently: Staff Psychiatrist, Jerusalem Mental Health Center, and Visiting Professor of Psychiatry, Hadassah-Hebrew University School of Medicine, Jerusalem, Israel.
- DR. MILTON ROSENBAUM, Director, Jerusalem Mental Health Center - Eyrath Nashim and Professor of Psychiatry, Hadassah-Hebrew University School of Medicine, Jerusalem, Israel.
- DR. DAVID SAMUEL, Sherman Professor of Physical Chemistry, Isotope Department, Weizmann Institute of Science, Rehovot, Israel.
- DR. GORAN SEDVALL, Department of Pharmacology and Psychiatry, (St. Goran's Hospital) The Karolinska Institutet, S-104 01 Stockholm, Sweden.

DR. MARTA WEINSTOCK, Department of Physiology and Pharmacology,
Sackler School of Medicine, Tel-Aviv University,
Tel-Aviv, Israel.

DR. ISAAC P. WITZ, Department of Microbiology, The George S.
Wise Center, Tel-Aviv University, Tel-Aviv, Israel.

DR. SHLOMO YEHUDA, Laboratory of Psychopharmacology,
Department of Psychology, Bar-Ilan University,
Ramat Gan, Israel.

DR. M.B.H. YODIM, M.R.C. Unit and University Department of
Clinical Pharmacology, Radcliffe Infirmary, Oxford
OX2 6HE, England.

INDEX

- Acute schizophrenia, see
Schizophrenia
- Adoptive relatives, see
Schizophrenia
- Alcoholism, 73
- Amitryptilene, 71
- Amphetamine, 68-70, 181
- d-Amphetamine, 139
- AMPT, see α -methylparatyrosine
- Anti-sera, 115-116
- Apomorphine, 68, 70, 75
- Average evoked response (AER),
genetics of, 217, 220-222
- Bipolar affective illness (BP),
56
genetics of, 208, 210-211,
213, 215-218,
221-223, 231-234
- Bipolar manic depressive illness,
29-30, 34, 66-67, 73, 237,
251-253
- Bovine serum albumin (BSA), 115
- Calcium (Ca), 56, 59
- Carphenazine, 141
- Catechol-O-methyl transferase
(COMT), 243-247
genetics of, 217-221, 223
- Cerebrospinal fluid (CSF), 42-45,
47-53
- Chloroimipipemine, 141
- p-Chlorophenylalanine, 98
- Chlorprothixene, 141-142
- Chlorpromazine (CPZ), 5-6, 9,
13-14, 42-49, 71-72, 98, 102,
- Chronic schizophrenia, see
Schizophrenia
- Clozapine, 14
- Cyclic AMP (adeneosine mono-
phosphate), 27-36
- Deprenil, 132
- Deuteranopia, 234, 236
- Diazepam, 155-156
- Dihydroxyphenyl acetic acid, 100
- Diisopropyl fluorophosphonate
(DFP), 81-82
- Dizygotic twins (DZ), 207
- Dopamine, 2, 19-20, 44, 46,
69-70, 95, 97, 98, 127
- 6-OH-Dopamine (6-OHDA), 151-155
- Dopamine- β -hydroxylase (DBH),
102
- Epinephrine, 28-32
- Flavin adenine dinucleotide (FAD),
131
- Genetic polymorphisms, 241-254
- Genetics, 207-224
- Glutethamide, 73
- Haloperidol, 5-6, 9, 33-36,
142-143, 181-183
- Herpes simplex complement-
fixing antibody, 106-107,
109-110
- Homovanillic acid, 4, 9-12,
16-17, 44, 47-50, 52, 95,
98, 100

- 5-Hydroxyindole acetic acid,
4, 44, 47, 95, 100
- 5-Hydroxytryptamine (5-HT),
see serotonin
- Hyperactivity states, 149-160
- IgG, 115-116, 121
- Imipramine, 58, 66, 72, 78-79, 83
- Inadequate (personality),
genetics of, 202
- Indirect radioimmuno-fixation
assay, 116, 118, 120-121
- Initial errors, 188, 190
- Isolation-induced hyperactivity,
154
- L-DOPA, 66-70, 83-84
- Lithium, 27-36, 55-62, 80-81,
172-175
toxic reaction, 56-58
- Magnesium (Mg), 56, 59
- Mania, 166
- Manic depressive illness, see
Bipolar manic depressive
illness
- Maori, 78
- Mepazine, 141
- Metaclopramide, 75
- 3-Methoxy-4-hydroxyphenylglycol,
12
- Methoxyhydroxyphenylglycol (MHPG),
see Methoxyphenyl-ethylene
glycol (MOPEG)
- Methoxyphenyl-ethylene glycol
(MOPEG), 44, 47, 49, 52, 100
- α -Methyl-p-tyrosine, 98, 151-154
- Monoamine oxidase (MAO), 126-133,
247-254
type A, 127, 130
type B, 127, 130
plasma MAO, 252
- Monozygotic twins (MZ), 207-208,
263-266
- Multifactorial inheritance (MF),
212, 214, 215
- Neurotic syndromes, 108, 110
- Noradrenaline, 2, 44
- Norepinephrine, 69, 95, 97, 98
- Nortriptylin, 58
- O-18, 95-102
- Oxazepam, 193
- Oxypertine, 5-6, 12-14
- Parachlorophenylalanine (pCPA),
191-192
- Paranoid, see Schizophrenia
- Pargyline, 131-133
- Perphenazine, 9, 141-142
- Personality disorders, 108, 110
- Phenelzine, 131
- Phenmetrazine, 68
- Phenoxybenzamine, 157-158
- Phenylethylhydrozine, 133
- Pimozide, 142-143
- Piribedil (ET-495), 69-78
- Plasma MAO, see Monoamine oxidase
- Platelet MAO, 247-252
- Polyacrilamide gel electrophoresis
(PAGE), 244-245, 247, 249,
250, 252
- Potassium (K), 55, 59
- Probenecid, 4-6
- Prolactin, 7-8, 46
- Promazine, 142
- Promepazine, 141
- Promethazine, 182-183
- Propranolol, 157-160
- Protanopia, 233
- Psychosis, 42, 44
- Psychotic depression, 108, 110
- 7360 R.P., 141
- Repetitive errors, 188-190
- Reserpine, 182
- Rubella hemagglutination anti-
bodies, 107-108
- Schizoaffective, see
Schizophrenia
- Schizoid (personality),
genetics of, 202

- Schizophrenia, 15-16, 34, 108,
110, 113-122
genetics of, 196-205, 231-234,
261-272
- Acute,
genetics of, 197
- Acute schizophrenic psychosis,
1, 13, 16
- Adoptive relatives of, 201
- Chronic, 248-249
genetics of, 197-198, 202
- Chronic undifferentiated, 70-72
- Latent,
genetics of, 197, 202
- Paranoid, 66-67
- Schizoaffective,
genetics of, 29-30, 34, 72,
229-238
- Schizophrenia spectrum,
genetics of, 197-198, 201-202
- Serotonin (5-HT), 44, 95, 97,
127-128, 171, 174
- Single major locus inheritance
(SML), 214
- Sodium (Na), 55, 59
- Thiopropazine, 141
- Thioridazine, 7, 141
- Thiothixene, 49, 52
- Triflupromazine, 141-142
- Trimepazine, 141
- Tryptophan hydroxylase, 171, 174
- Unipolar-depressive (UP), 29-30,
252-253
genetics of, 208, 210-211,
213, 215-218, 221-223,
231-234
- X-chromosome, 212, 214, 217
223-224
- X-linkage, 237