FUNCTIONAL DIVERSITY OF INTERACTING RECEPTORS

THURSDAY (May 26th)

MAJOR ASPI	ECTS	
Chairperson:	Leo Abood	
	(Time includes 5 minutes for discussion)	
8:30-9:00	Receptor concepts	
	M. Raftery (Univ. of Minnesota)	
9:00-9:30	Ion-gated channels	
	Leo Abood (Univ. of Rochester)	
9:30-10:00	G-protein coupled receptors	
	Arthur Brown (Baylor Univ.)	
10:00-10:15	Coffee Break	
10:15-10:45	Distribution of the nACh receptor	
	P. Clarke (McGill Univ.)	
10:45-11:15	Effects of modifying the structure on function	
-	L. Role (Columbia P&S)	
11:15-11:45	Heterogeneity of presynaptic nACh receptors	
	E.S. Vizi (Univ. of Budapest)	
11:45-12:00	General Discussion	
12:00-1:30	Lunch	
NICOTINIC 1	RECEPTORS	
Chairperson:	Dr. Bianca Conti-Tronconi (Univ. of Minnesota)	
1:30-2:00	Role of different receptor forms in hehavior	
	Edward Hawrot (Brown Univ.)	
2:00-2:30	DNA regulation of receptor formation	
·	J. Patrick (Baylor Univ.)	
2:30-3:00	Correlation of molecular structure and function	
	Dr. Bianca Conti-Tronconi (Univ. of Minnesota)	
3:00-3:15	Coffee Break	
3:15-3:45	Modelling the nACh receptor	
	V. Cockcroft (Univ. of Cambridge)	
3:45-4:15	Organization of the nACh system	
	H.C. Fibiger (Univ. of Brit. Columbia)	
4:15-4:45	Diversity determined by ligand binding	
•	R. Lukas (Univ. of Arizona)	
4:45-6:00	Poster Session	

RECEPTOR	INTERACTIONS
Chairperson:	Abel Lajtha (Nathan S. Kline Inst.)
8:30-9:00	nACh receptor subtypes
	Jan Lindstrom (Univ. of Pennsylvania)
9:00-9:30	Nicotinic amino acidergic interactions
	A. Lajtha (Nathan S. Kline Inst.)
9:30-10:00	Cholinergic/nicotinic effect on GABA receptors
10:00-10:30	Human brain cholinergic pathways
	MMarsel Mesulam (Harvard Univ.)
10:30-10:45	Coffee Break
MUSCARINI	C RECEPTOTS:
Chairperson:	A. Donny Strosberg (Univ. of Paris)
10:45-11:15	Dysfunctional states of receptors
11:15-11:45	Expression and functional aspects of muscarinic receptor subtypes
	Neil Nathanson (Univ. of Washington)
11:45-12:00	General Discussion
12:00-1:30	Lunch
1:30-2:00	Effects of nicotine on the DA hypothalamic/pituitary systems
	K. Fuxe (Karolinska Inst.)
2:00-2:30	Immunotherapy in myasthenia gravis
	Lawrence Steinman (Stanford Univ.)
2:30-3:00	Muscarinic receptor interactions
•	Joseph Coyle (Harvard Univ.)
3:30-3:45	Coffee Break
CATECHOLA	MINE RECEPTOR DIVERSITY:
Chairperson:	Phil Seaman (Univ. of Toronto)
3:45-4:15	Dopamine receptor interactions
	Phil Seaman (Univ. of Toronto)
4:15-4:45	Adrenoceptor interactions
	R. Lefkowitz (Duke Univ.)
4:45-5:15	Mechanisms of receptor interactions
	Lennart A. Ransnas (Sahlgren's Hospital)
5:15-5:45	B-Adrenergic subtypes: The biotechnology of G-protein coupled receptors
-	A.D. Strosberg (Univ. of Paris)
5:45-6:15	G Mechanisms of receptor interactions
* 4	Henry R. Bourne (Univ. California-San Francisco)
5:30-7:00	Posters
7:00	Banquet
	After dinner speaker: George Koob (Scripps) or Bruce McEwen (Rockefeller Univ.)

SATURDAY (May 28th)

NEUROPEPTIDE	RECEPTOR	DIVERSITY:

NEUROPEPT	IDE RECEPTOR DIVERSITY:
Chairperson:	Victor Hruby (Univ. of Arizona)
8:30-9:00	Distribution of neuropeptide receptors
	T. Hokfelt (Karolinska Inst.)
9:00-9:30	Multiple receptors of substance P
	Susan Leeman (Boston Univ.)
9:30-10:00	Opioid receptor subtypes and addiction
	Gavil Pasternak (Sloan-Kettering Inst.)
10:00-10:15	Coffee Break
10:15-10:45	Molecular organization, Efficacy, Agonists and antagonists
	V. Hruby (Univ. of Arizona)
10:45-11:15	Chronic changes in neuropeptide receptors
	Abba Kastin (Tulane Univ.)
11:15-11:45	Peptidergic modulation of dopamine neurons
	Charles Nemeroff (Emory Univ.)
11:45-12:00	Melanocortin receptors
	Roger Cone (Univ. of Oregon)
12:00-1:30	Lunch
EAA RECEPT	TOR DIVERSITY:
Chairperson:	Brian Meldrum (Inst. of Psychiatry)
1:30-2:00	EAA receptor functions in health and in neurological diseases.
	Brian Meldrum (Inst. of Psychiatry)
2:00-2:30	A family of glutamate receptor genes
	S. Heineman (Salk Inst.)
2:30-3:00	Synaptic plasticity among EAA type receptors
•	Peter Seeburg (Univ. of Heidelberg)
3:00-3:30	EAA receptor changes in neurologic disorders
	Ann Young (Harvard Univ.)
3:30-4:00	Family of metabotropic glutamate receptors
	Shigetada Nakanishi (K.yoto Univ.)
INHIBITORY	TRANSMITTER RECEPTOR INTERACTIONS:
Chairperson:	Eric Barnard (Royal Free Hosp. School of Med.)
4:00-4:30	Structure and distribution of the multiple GABAA receptor subunits
	William Wisden (Cambridge Univ.)
4:30-5:00	Structure/function relationships in the multiple GABAA receptors
	Eric Barnard (Royal Free Hosp.)
5:00-5:30	GABA receptor antagonists and their clinical applications
	Alessandro Guidotti (Fidiz, Georgetown Inst.)

ADJOURNMENT:

5:30-5:45

General Discussion