

# Programme at a Glance

Morning

	ROOM	Saturday July 10	ROOM	Sunday July 11	ROOM	Monday July 12	ROOM	Tuesday July 13	ROOM	Wednesday July 14
08:30 Plenary Lectures 09:30				<b>Eckart D. Gundelfinger</b> <b>A L2.</b> <i>Assembly and molecular organization of the active zone of neurotransmitter release</i>		<b>Tullio Pozzan</b> <b>A L4.</b> <i>Neuron-astrocyte crosstalk in the central nervous system</i>		<b>Alcino Silva</b> <b>A L6.</b> <i>Molecular and cellular cognition: unraveling the mechanisms of memory</i>		<b>Christine Petit</b> <b>B L8.</b> <i>Deciphering the molecular bases of the development and physiology of the hair bundle through deafness genes</i>
09:30			<b>I &amp; II</b>	<b>Poster session 1</b>	<b>I &amp; II</b>	<b>Poster session 3</b>	<b>I &amp; II</b>	<b>Poster session 5</b>	<b>I &amp; II</b>	<b>Poster session 7</b>
P O S T E R S E S S I O N S	09:45		<b>A S03.</b> The ageing brain. <b>B S08.</b> More than one way to kill a neuron. <b>C S02.</b> Local and long-range neuronal interactions through oscillatory synchronization. <b>D S07.</b> Decision-making and addiction: neural substrates. <b>E S01.</b> Intracellular mechanisms for neurogenesis. <b>F S05.</b> The influence of Donald O. Hebb on neuroscience today: a symposium to honour the 100 <sup>th</sup> year since Hebb's birth. <b>G S06.</b> Early experience: when does it become disruptive for brain development and behavior? <b>H S04.</b> Synaptic plasticity and dynamic encoding in somatosensory cortex.	<b>A S22.</b> Neuroglial signalling: the role of cytokines in inflammation and neuroprotection. <b>B S23.</b> Loading with glutamate: novel aspects of glutamate function. <b>C S20.</b> Control of brain development and plasticity by sex hormones. <b>D S24.</b> Protein partners of neurotransmitter receptors. <b>E S17.</b> Spike timing in hippocampal cell assemblies. <b>F S18.</b> Genetic and genomic approaches to the zebrafish visual system. <b>G S21.</b> Plasticity in central auditory processing: from neural mechanisms to behaviour. <b>H S19.</b> Transcription factors and behavior: from adaptation to pathology.	<b>A S33.</b> Fate decision processes in vertebrate neural stem cells. <b>B S36.</b> Novel approaches for cognition enhancement. <b>C S38.</b> Towards a molecular understanding of water transport in the brain: role of aquaporins. <b>D S35.</b> Dendro-dendritic interactions in networks of hypothalamic neurones. <b>E S39.</b> Short-term plasticity at excitatory synapses in the auditory system. <b>F S40.</b> Synaptic vesicle release and recycling. <b>G S37.</b> Network dynamics and integration in nociceptive pathways: implications for pain signalling. <b>H S34.</b> Cerebellar plasticity: not just depressing.	<b>B S54.</b> Stem cell therapy in neurodegenerative disease: how to make it work? <b>C S51.</b> Signal integration in dendrites. <b>D S56.</b> Brain imaging. <b>E S55.</b> Feedback mechanisms in brain function. <b>F S53.</b> The neurobiology of connexins: from genes to therapies. <b>G S52.</b> Maturation of glutamatergic synapses in the developing hippocampus. <b>H S49.</b> Involvement of cell adhesion molecules in the formation of functional neuronal networks. <b>I S50.</b> Kainate receptors: from control of excitability to synaptic plasticity and neurodegeneration.				
	11:15					<b>11:30-13:00</b> <b>D SS2.</b> FENS / European Brain Council symposium		<b>13:00-14:00</b> <b>1.08 W8.</b> <b>Sponsored Technical Workshop</b> The Dynaflo™ Chip - A Revolution in Patch Clamp		
13:30						<b>12:00-14:00</b> <b>B SL05.</b> IPSEN Neuronal Plasticity Prize <i>J.F. Gusella - J.L. Mandel - H.Y. Zoghbi</i>				

# Afternoon

	ROOM	Saturday July 10	ROOM	Sunday July 11	ROOM	Monday July 12	ROOM	Tuesday July 13	ROOM	Wednesday July 14
13:00 Special Lectures 14:00			B C H	SL02. FENS - EJN Award: R. Morris SL03. Kemali Prize 2004: C.I. Bargmann SL01. Hertie Foundation Lecture: G. Laurent	C H	SL04. HFSP Lecture: J. Hudspeth SL06. Boehringer Ingelheim - FENS Research Award: I. Mansuy	B C G H	SL07. EBBS / Behavioural Brain Research Lecture: Y. Miyashita SL10. SPN - Pfizer Portugal Grant invited lecturer: F. Lopes da Silva SL08. GSK Neuroscience Award SL09. Max Cowan Lecture: G. Raisman		<b>Closing Lecture</b> Miguel Nicolelis B L9. <i>Computing with neural ensembles: a new paradigm in systems neuroscience</i>
13:30 P O S T E R S E S S I O N S		13:30 Technical Workshops	I & II	Poster session 2	I & II	Poster session 4	I & II	Poster session 6		
14:15 S Y M P O S I A 15:45	C DI D2 F 107 108 1.15	W7. NENS workshop: networking European neuroscience graduate programmes. W5. The cell cycle and neuronal differentiation. W1. Spinal cord repair: from the laboratory bench to the clinic. W3. Neuronal imaging using genetically encoded sensors. W6. Annotating the genes involved in nervous system development and function. W4. Engineering and application of genetic indicators in neurobiology. W2. Gene therapy for pain control.	A B C D E F G H	S10. Excitatory and inhibitory synaptic transmission: new modulatory roles for Ca <sup>2+</sup> . S11. Role of protein misfolding and aggregation in neurodegenerative diseases. S16. Ischemia and neuroprotection. S13. Neuronal pre-mRNA processing. S14. Segregation and integration of sensory information in cortical circuits. S12. The function of olivocerebellar microcircuits. S09. Visuomotor functions of the dorsomedial parietal cortex in human and non-human primates. S15. Understanding the distinct steps of postnatal neurogenesis.	A B C D E F G H	S26. Physiological properties and mechanisms of neuron-astrocyte signaling in the CNS. S28. In vivo calcium imaging: watching neurons at work. S31. The perirhinal cortex: synaptic plasticity to cognitive function. S32. Theoretical models to understand neuronal communication. S29. Neurogenesis in the peripheral nervous system. S27. Functioning with noise. S25. Motor neuronal functions and dysfunctions. S30. Visualising synaptic plasticity.	A B C D E F G H	S41. Fine-tuning of synaptic actions of neurotrophic factors. S45. The place of prefrontal cortex in psychiatric illness. S43. Brain-computer interfaces for neuroprostheses and communication in animals and humans. S46. Regional specialization in primate cortical circuitry: implications for sensory processing. S42. Forming an asymmetric brain: cooperation of genes and environment. S47. Attention to objects and features in space: from the visual cortex to the frontal lobes and back. S48. Axonal outgrowth, regeneration and repair. S44. Synaptic and cellular mechanisms of learned fear.		
17:30		16:45	D	15:45-17:15 SS1. EDAB symposium						
17:30 Plenary Lectures 18:30	A	17:00 Opening Ceremony Antonio Damasio L1. <i>Advances in the biology of emotion</i>	A	Stylianos Antonarakis L3. <i>The contribution of the geneticist to neurosciences</i>	A	Nikos Logothetis L5. <i>Seeing and perceiving: phenomenology &amp; physiological mechanisms</i>	A	Faraneh Vargha-Khadem L7. <i>The gift of speech: FOXP2 and the KE family</i>		