

# Programme at a Glance

	Saturday, July 12 <sup>th</sup>	Sunday, July 13 <sup>th</sup>	Monday, July 14 <sup>th</sup>	Tuesday, July 15 <sup>th</sup>	Wednesday, July 16 <sup>th</sup>
<b>Plenary Lectures</b> 08:30		08:30 <b>Plenary Lecture 08:30–09:30</b> Lo2 <b>Barry J. Dickson</b> Wired for sex: How the mating instinct is programmed into a fly's brain.	<b>Plenary Lecture 08:30–09:30</b> Lo4 <b>Magdalena Götz</b> Glial cells generate neurons – new views on neurogenesis and neural repair.	<b>Plenary Lecture 08:30–09:30</b> Lo6 <b>David Attwell</b> Brain power, and its failure in pathology.	<b>Plenary Lecture 08:30–09:30</b> Lo8 <b>Daniel Schacter</b> Constructive memory: remembering the past to envisage the future.
<b>Poster Sessions</b> 09:30 <b>Symposia</b> 09:45		09:45 <b>Poster Session 1</b> <b>Symposia 09:45–11:15</b> So1 Genetic control of neuronal circuit assembly. So2 Recent advances in neurotrophin signaling at central synapses. So3 Epigenetic regulation of cognitive functions and behaviour. So4 Cerebellar network function: new imaging and modeling approaches. So5 New insights into Cortico-Amygdala interactions: implications for disorders of emotion. So6 Mitochondrial transport and its emerging impact on synaptic transmission and neurodegeneration. So7 Molecular mechanisms in Parkinson's disease and other synucleinopathies. So8 Antigen drainage out of the brain: a new role for microglia?	09:45 <b>Poster Session 3</b> <b>Symposia 09:45–11:15</b> S17 Cell adhesion molecules: from neural recognition to connectivity. S18 Subunit-specific NMDA receptor regulation. S19 Metaplasticity: from molecules to behaviour. S20 Spontaneous activity in cortical networks. S21 Sleep, off-line reactivation and memory consolidation. S22 GABA and adult neurogenesis: from cell fate to synaptic plasticity. S23 Stress-protective effects of brain oxytocin: from animal to human studies. S24 Metabotropic glutamate receptor plasticity: roles in normal and abnormal brain function.	09:45 <b>Poster Session 5</b> <b>Symposia 09:45–11:15</b> S33 Wiring the developing brain: genes and activity in songbirds. S34 Translation regulation subserving memory and synaptic plasticity consolidation. S35 Glia-mediated synaptic plasticity. S36 Multiple hippocampi in one? Memory and beyond along the septo-temporal axis. S37 Tracing mental images in the brain. S38 Gene transfer for neurodegenerative diseases. S39 Role of sodium channels in idiopathic and chronic focal epilepsies. S40 New TRP channels in mammalian thermosensation.	09:45 <b>Poster Session 7</b> <b>Symposia 09:45–11:15</b> S49 Emerging functions of neuronal migration during brain development. S50 Molecular mechanisms of synaptic formation and function: insight for cognitive dysfunction. S51 Neuronal information processing in drosophila: genetics meets physiology. S52 Neuronal circuits of fear extinction. S53 Neuronal network oscillations in health and disease. S54 Neurogenesis and gliogenesis in brain repair. S55 Novel molecular mechanisms mediating cocaine addiction and its behavioural effects. S56 Glycogen synthase kinase 3 (GSK3) in synaptic plasticity, memory and disease.
<b>Special Events</b> 11:30		11:30 <b>Special Events 11:30–13:00</b> SEo2 EDAB BAW reception: BAW and beyond SEo3 FP7: EU-driven funding opportunities in brain research	11:30 <b>Special Event 11:30–13:00</b> SEo7 FENS / European Brain Council symposium	11:30 <b>Special Event 11:30–13:00</b> SE10 Neuroscience and Human Culture	11:30 <b>Special Lectures 11:30–12:45</b> SL11 FENS EFN Award 2008 – <b>John O'Keefe</b> FENS EFN Young Investigator Prize – <b>Thomas Klausberger</b>
<b>Special Events</b> 12:30	12:30 <b>Special Event 12:30–16:30</b> SEo1 NEURON-CELL Press Symposium Genetic and molecular approaches for understanding neurological and psychiatric diseases				
<b>Special Lectures</b> 13:00		13:00 <b>Special Lectures 13:00–14:00</b> SLo1 EBBS-Behavioural Brain Research lecture – <b>Angela Friederici</b> SLo2 Hertie Foundation lecture – <b>Paul Greengard</b> SLo3 GlaxoSmithKline Neural Stem Cell FENS Research Award lecture – <b>Gerd Kempermann</b>	13:00 <b>Special Event 13:00–14:00</b> SEo8 Breaking news in neuroscience <b>Special Lectures 13:00–14:00</b> SLo5 Reemtsma Foundation – <b>John P. Donoghue</b> SLo6 Academia Europaea – <b>Alexei Verkhratsky</b> SLo7 12:15–14:00 Fondation IPSEN Neuronal Plasticity awarding lectures – <b>JP. Changeux, P. Kalivas, E. Nestler</b>	13:00 <b>Special Lectures 13:00–14:00</b> SLo8 EDAB – Max Cowan lecture – <b>James Fawcett</b> SLo9 The Dargut and Milena Kemali Prize Lecture – <b>Massimo Scanziani</b> SLo10 Boehringer Ingelheim FENS Research Award – <b>Pascal Fries</b>	13:00 <b>Plenary Lecture – Closing Lecture 13:00–14:00</b> Lo9 <b>Bert Sakmann</b> Neurophysiology of decision making in the rodent brain.
<b>Technical Workshops</b> <b>Poster Sessions</b> 13:30	13:30 <b>Technical Workshops 13:30–16:30</b> Wo1 Investigating dendritic membrane potential with voltage sensitive dyes. Wo2 Integrated open-source solutions for data acquisition, management and dynamic analysis of cell structures in the nervous systems. Wo3 Pre-clinical evaluation of stem cell therapy in stroke. Wo4 Emerging high-resolution in vivo technologies.				
<b>Symposia</b> 14:15		14:15 <b>Poster Session 2</b> <b>Symposia 14:15–15:45</b> S09 Endocannabinoids in the developing brain. S10 Actin dynamics in synaptic transmission. S11 Zebrafish: a new model organism for behavioural neuroscience. S12 Entorhinal grid cells, navigation & memory. S13 Social brains: how we perceive and understand intentions and feelings in other people. S14 Molecular, cellular and circuit contributions to cognitive decline in normal aging. S15 Compartmental degeneration in Motor Neuron Disease: where does the end begin? S16 Structure, dynamics and in vivo functions of neurotransmitter transporters.	14:15 <b>Poster Session 4</b> <b>Symposia 14:15–15:45</b> S25 Imaging development and plasticity in the visual cortex: from synapses to functional networks. S26 Presynaptic terminals: structural constraints and molecular dynamics. S27 Nicotinic receptor signaling in the brain: from molecules to cognition. S28 The neurobiology of choice and decision-making. S29 Synapse recycling, memory impairment and Alzheimer's disease. S30 Computational and neural mechanisms for the control of goal directed movement in primates. S31 Pain: mechanisms and persistent symptoms. S32 G protein coupled inwardly rectifying K+ channels: from structure to function.	14:15 <b>Poster Session 6</b> <b>Symposia 14:15–15:45</b> S41 Molecular mechanisms of whisker-to-barrel system development. S42 Regulation of neurotransmission by cytoskeletal dynamics. S43 Localizing memory traces – concepts, methods and organisms. S44 Modulation and metamodulation of motor control networks. S45 Neuronal network architectures and graphical processing in the neocortex. S46 Adaptive changes within the mammalian nervous system and functional recovery following injuries. S47 Stress: a neural disconnection syndrome, towards new molecular targets. S48 Molecular probes and switches for functional analysis of receptors, ion channels and synaptic networks.	
<b>Special Events</b> 15:45 <b>Opening Ceremony</b> 17:00	17:00 <b>Opening Ceremony 17:00–17:30</b>	15:45 <b>Special Event 15:45–17:15</b> SEo4 NENS Symposium	15:45 <b>Special Event 15:45–17:15</b> SEo9 Blue Brain Project Phase I: the neocortical column model.	15:45 <b>Special Event 15:45–17:15</b> SE11 FENS / IBRO Alumni Symposium: Network oscillations in development, sensory processing and memory	
<b>Plenary Lectures</b> 17:30	17:30 <b>Plenary Lecture 17:30–18:30</b> Lo1 <b>Thomas M. Jessell</b> Neuronal identity and the assembly of spinal motor circuits.	17:30 <b>Plenary Lecture 17:30–18:30</b> Lo3 <b>Riitta Hari</b> When time matters: Neuromagnetic approach to human brain function.	17:30 <b>Presidential Lecture 17:30–18:30</b> Lo5 <b>Barry Everitt</b> Neural systems of reinforcement for drug addiction: from impulsive actions to compulsive habits.	17:30 <b>Plenary Lecture 17:30–18:30</b> Lo7 <b>Elena Cattaneo</b> Pathogenic mechanisms in Huntington's Disease.	
<b>Social Programme</b> 18:30	18:30 <b>Welcome Reception 18:30–19:30</b>	18:30 <b>Buffet Dinner 18:30–19:30</b>		18:30 <b>Special Interest Socials 18:30–20:30</b>	
<b>Social Programme</b> <b>Special Lecture/Events</b> 19:30	19:30 <b>FENS Jazz Nite 19:30–22:00</b>	19:30 <b>Special Lecture 19:30–20:30</b> SLo4 HFSP lecture – <b>Nobutaka Hirokawa</b> The intraneuronal transport and kinesin superfamily proteins, KIFs: from brain wiring and development to higher brain function. <b>Special Events 19:30–21:00</b> SEo5 EDAB Symposium – Music and the Brain SEo6 Swiss Academy of Medical Sciences – Théodore Ott Prize – <b>Theodor Landis, Reinhard Stocker</b>		19:30 <b>FENS/IBRO Alumni Reunion 19:30–23:30</b>	