

ELSO 2007		
1-4 September 2007		
Programme		
Saturday, 1 September 2007		
1530 - 1750	Subgroup Meeting One - Autophagy Chairperson: Vojo Deretic (Albuquerque)	Konferenz 1
1530 - 1550	Vojo Deretic (Albuquerque) <i>Autophagy: an intracellular cleansing mechanism in health and disease</i>	
1550 - 1610	Patrice Codogno (Paris) <i>Regulation of macroautophagy by lipid signaling</i>	
1610 - 1630	Sharon Tooze (Cambridge, UK) <i>Signalling and membrane traffic in autophagy</i>	
1630 - 1650	Tamotsu Yoshimori (Osaka) <i>Autophagy as a cellular guardian against bacteria and aggregate-prone proteins</i>	
1650 - 1710	Zvulin Elazar (Rehovot) <i>Regulation of early stages of autophagosomes biogenesis</i>	
1710 - 1730	Anne Simonsen (Oslo) <i>Functional multivesicular bodies are required for autophagic clearance of protein aggregates associated with neurodegenerative disease</i>	
1730 - 1750	Eeva-Liisa Eskelinen (Helsinki) <i>Formation and maturation of autophagosomes in mammalian cells</i>	
1530 - 1800	Subgroup Meeting Two - Meiosis Chairperson: Keith Jones (Newcastle)	Konferenz 2
1530 - 1555	Attila Toth (Dresden) <i>Meiosis or mitosis - what makes the difference?</i>	
1555 - 1620	Christian Eckmann (Dresden) <i>A conserved RNA regulatory network controls meiotic entry and progression</i>	
1620 - 1645	Alexandra Reis (Newcastle) <i>APC activity during mammalian meiosis I</i>	
1645 - 1710	Rolf Jessberger (Dresden) <i>Mammalian meiosis, cohesins and aneuploidies</i>	
1710 - 1735	Olaf Stemmann (Munich) <i>Cdkl - inactivating role of separase in vertebrate meiosis I</i>	
1735 - 1800	Wolfgang Zachariae (Dresden) <i>Regulation of kinetochore orientation in meiosis</i>	
1530 - 1800	Subgroup Meeting Three - Chromatin and the cell cycle Sponsored by EuroDYNA (European Science Foundation) Chairpersons: Colin Logie (Nijmegen) and David Shore (Geneva)	Konferenz 3
1530 - 1535	Colin Logie (Nijmegen) <i>Introduction to the EuroDYNA initiative</i>	
1535 - 1610	Mary-Ann Osley (Albuquerque) <i>Histone metabolism, transcription and the cell cycle</i>	
1610 - 1635	Rainer Renkawitz (Giessen) <i>The Drosophila insulator protein dCTCF binds to different genomic sites than Suppressor of Hair wing, shares cofactor CP190 and is required for the function of the homeotic Bithorax complex</i>	
1635 - 1645	Break	
1645 - 1710	Mieke van Lijsebettens (Ghent) <i>The plant BRE1 H2B ubiquitylase has a function in cell cycle regulation during early leaf and root growth</i>	
1710 - 1735	Alain Verreault (Montreal) <i>Histone H3-Lys56 acetylation: a new twist in the chromosome cycle</i>	
1735 - 1800	Francis Stewart (Dresden) <i>Global analysis of histone modifications by mass spectrometry</i>	

1530 - 1800	Subgroup Meeting Four - Hematopoietic and mesenchymal stem cells: adult stem cells with clinical perspectives	Konferenz 4
	Sponsored by SFB 655 Cells into tissues	
	Chairpersons: Martin Bornhäuser (Dresden) and Gerhard Ehninger (Dresden)	
1530 -1600	Tsvee Lapidot (Jerusalem)	
	<i>Regulation of stem cell migration and development</i>	
1600 - 1630	Anthony Ho (Heidelberg)	
	<i>Human mesenchymal stromal cells as a surrogate model for stem cells</i>	
1630 - 1700	Reinhard Henschler (Frankfurt)	
	<i>Mesenchymal stem cells display coordinated rolling and adhesion behavior on endothelial cells</i>	
1700 - 1730	Edwin Horwitz (Philadelphia)	
	<i>Marrow mesenchymal cell transplantation: The right cell for the right job!</i>	
1730 - 1800	Mark F. Pittenger (Baltimore)	
	<i>Cellular therapeutics: lessons from adult stem cells</i>	
1530 - 1800	Subgroup Meeting Five - Mechanisms of cell migration	Konferenz 5
	Sponsored by Novartis Institutes for BioMedical Research and Miltenyi Biotec GmbH and ibidi GmbH	
	Chairpersons: Antal Rot (Vienna) and Michael Sixt (Martinsried)	
1530 - 1550	Ronen Alon (Rehovot)	
	<i>Walking on chemokines-implications for random lymphocyte and neutrophil motility</i>	
1550 - 1610	Peter Friedl (Würzburg)	
	<i>Integrin-independent cell-matrix interaction mechanisms and migration</i>	
1610 - 1630	Michael Sixt (Martinsried)	
	<i>Force generation in chemotaxing leukocytes</i>	
1630 - 1650	Beat Imhof (Geneva)	
	<i>Leukocyte migration through vascular barriers</i>	
1650 - 1710	Melody Swartz (Lausanne)	
	<i>Autologous chemotaxis as a mechanism of tumor and dendritic cell homing to lymphatics</i>	
1710 - 1730	Robert Grosse (Heidelberg)	
	<i>The Diaphanous-related formin Dia1 controls Rho activity and cancer cell motility</i>	
1730 - 1750	Erik Sahai (London)	
	<i>Imaging cancer invasion in 3D environments</i>	
1750 - 1800	Stefano Guido (Naples)	
	Time-lapse imaging and 3D cell tracking by computer-controlled video microscopy: Applications to chemotaxis	
1530 - 1800	Subgroup Meeting Six - Ubiquitin as a regulator of membrane trafficking	Konferenz 6
	Chairpersons: Harald Stenmark (Oslo) and Sylvie Urbé (Liverpool)	
1530 - 1555	Sarah Bray (Cambridge)	
	<i>Regulation of Notch-Delta signalling and trafficking by ubiquitin ligases</i>	
1555 - 1620	Rosine Haguenaer Tsapis	
	<i>Versatile role of the ubiquitin protein ligase Rsp5 in yeast intracellular trafficking</i>	
1620 - 1645	Willem Stoorvogel (Utrecht)	
	<i>Oligoubiquitination in control of MHC class II-mediated antigen presentation</i>	
1645 - 1710	Harald Stenmark (Oslo)	
	<i>Ubiquitin-mediated protein sorting in endosomes</i>	
1710 - 1735	Sylvie Urbé (Liverpool)	
	<i>Deubiquitinating enzymes in membrane trafficking</i>	
1735 - 1800	Roger Williams (Cambridge, UK)	
	<i>Structure and function of a ubiquitin-binding sorting complex</i>	

1530 - 1800	Subgroup Meeting Seven - Phospholipids in the regulation of Golgi function Chairperson: Christiane Walch-Solimena (Dresden)	Seminar 5 & 6
1530 - 1600	Peter Mayinger (Oregon) <i>Growth control of secretion by lipid signals</i>	
1600 - 1630	Christiane Walch-Solimena (Dresden) <i>Golgi phosphoinositide signalling: regulation and effectors for trafficking</i>	
1630 - 1700	Sima Lev (Rehovot) <i>Lipid transfer proteins (LTPs) coordinately regulate Golgi-mediated transport events</i>	
1700 - 1730	Joost Holthuis <i>Sphingomyelin synthases: double trouble in the family</i>	
1730 - 1800	Daniela Corda (Santa Maria Imbaro) <i>Role of CtBPI/BARS and PI4KIIIbeta in membrane traffic</i>	
1530 - 1800	Subgroup Meeting Eight - Lipids and lipid-achored proteins in lower eukaroytic systems Chairpersons: Rob Parton (Brisbane) and Teymuras Kurzchalia (Dresden) Sponsored by: Avanti Polar Lipids, Inc	Saal 1
1530 - 1600	Teymuras Kurzchalia (Dresden) <i>Lipid trafficking in C elegans</i>	
1600 - 1630	Rob Parton (Brisbane) <i>Lipid-regulatory proteins in the Zebrafish</i>	
1630 - 1700	Howard Riezman (Geneva) <i>Sterols and sphingolipids in yeast; an intimate relationship</i>	
1700 - 1730	Maria Joao Carvalho (Dresden) <i>Multiple roles of sterols in Drosophila development</i>	
1730 - 1800	Sylvia Neumann (Utrecht) <i>Transfer of lipid-linked proteins from parasites to host lipoproteins</i>	
1500 - 1800	Subgroup Meeting Nine - High content analysis Chairpersons: Eberhard Krausz (Dresden) and Marjo Simonen (Basel)	MPI-CBG
1500 - 1530	A tour through the HT-Technology Development Studio	
1530 - 1600	Yvonne Ibig-Rehm, Gabriele Hofmann, Johann Zimmermann, Marjo Simonen (Basel) <i>High-content assay to study the mevalonate pathway</i>	
1600 - 1630	Gert van de Wouwer, B. Weyn (Edegem) <i>HCA for neurite outgrowth quantification in primary cells</i>	
1630 - 1700	Break and Discussion In parallel: Tour through the HT-Technology Development Studio	
1700 - 1730	Jo Waaler, James Booth, Jens Peter von Kries*, Stefan Krauss (Oslo, *Berlin) <i>High-content screening for compounds that inhibit signalling of sonic hedgehog or Wnt</i>	
1730 - 1800	Anthony Davies (Dublin) <i>Combining HCA with traditional analysis techniques to understand disease processes in cardiac muscle</i>	
1530 - 1800	Subgroup Meeting Ten - Islet development and regeneration: novel approaches for diabetes treatment Sponsored by SFB 655 Chairpersons: Markus Stoffel (Zürich) and Stefan Bornstein (Dresden)	MTZ TU
1530 - 1600	Matthias Hebrok (San Francisco) <i>Manipulating pancreas development and disease</i>	
1600 - 1630	Markus Stoffel (Zürich) <i>MicroRNAs and pancreatic β-cell function</i>	
1630 - 1700	Michael Parsons (Baltimore) <i>Targeted ablation of beta cells in embryonic zebrafish</i>	
1700 - 1730	Eckard Lammert (Dresden) <i>From cells to tissues: learning from pancreatic islets and blood vessels</i>	
1730 - 1800	Michele Solimena (Dresden) <i>Control of insulin granules and beta cell turnover</i>	

1530 - 1800	Olympus Workshop <i>Advanced confocal, imaging, and screening techniques in fluorescence microscopy</i>	Seminar 3 & 4
1530 - 1540	Hauke Kahl, Olympus Germany <i>Welcome</i>	
1540 - 1615	Konstantin Joanidopoulos, Olympus Soft Imaging Solutions <i>Olympus Scan[^]R: Advanced screening applications for life-science</i>	
1615 - 1655	Dmitri Ossipov, Olympus Life and Material Science <i>What makes Olympus FluoView 1000 a versatile high-end confocal platform?</i>	
1655 - 1725	Isabel Raabe, Max-Planck Institute of Molecular Cell Biology and Genetics, Dresden <i>Laser ablation in fission yeast</i>	
1725 - 1800	Volker Buschmann, PicoQuant <i>Advanced FLIM and FCS measurements using upgraded laser scanning microscopes</i>	
1900	Social Get-Together	Terrace
2000	Opening Address: Kai Simons, ELSO President Keynote Lectures: Gottfried Schatz (Basel) <i>What Europe should do for its young scientists</i>	Großer Saal
	Louis-Jeantet Lecture Winner of the 2007 Louis-Jeantet Prize for Medicine Stephen C. West, (South Mimms) <i>Guardians of the genome</i>	

	Sunday, 2 September 2007	
0900 - 1030	Plenary Session 1 - RNA Chairperson: Maria Carmo Fonseca (Lisboa)	Großer Saal
0900 - 0930	Nenad Ban (Zürich) <i>Structural basis of iterative fatty acid synthesis catalyzed by giant multienzyme complexes</i>	
0930 - 1000	Steve Cohen (Heidelberg) <i>microRNA functions</i>	
1000 - 1030	Elisa Izaurralde (Tübingen) <i>How do microRNAs silence gene expression?</i>	
1030 - 1100	Coffee Break	Exhibition area
1100 - 1230	Plenary Session 2 - Membranes Chairperson: Chiara Zurzolo (Paris)	Großer Saal
1100 - 1130	Pietro De Camilli (New Haven) <i>Regulatory mechanisms in clathrin-mediated endocytosis</i>	
1130 - 1200	Peter Walter (San Francisco) <i>Unfolded protein response: how the endoplasmic reticulum talks to the nucleus</i>	
1200 - 1230	Steve White (Irvine) <i>Insertion and lipid interactions of membrane proteins</i>	
1230 - 1300	ELSO Early Career Award Sponsored by Carl Zeiss MicroImaging GmbH Thomas Lecuit (Marseille) <i>Regulation of cell surface mechanics during tissue morphogenesis</i>	Großer Saal
1300 - 1600	Poster Session I Protein folding and degradation Cell cycle Cytoskeleton Nucleus and gene expression Molecular machines Molecular medicine Membranes In and out of the nucleus Organisation and function of the neuron system	Exhibition area
1300 - 1500	Meso Scale Discovery Workshop <i>Tools for high-throughput, high content cell biological research</i>	Seminar 5 & 6
1300 - 1310	Introduction	
1310 - 1335	High throughput biomarker assays for the life sciences	
1335 - 1400	Cellular Trafficking Assays on the MSD Platform	
1400 - 1425	Mapping signal transduction pathways: STAT3 binding to EGFR	
1425 - 1450	A multiplexing approach to hybridoma screening	
1450 - 1500	General question & answer session	
1300 - 1500	Carl Zeiss Workshop <i>Advanced microscopy solutions dedicated to Live Cell Imaging</i>	Seminar 3 & 4
1300 - 1310	Peter Kramer, Göttingen <i>Welcome</i>	
1310 - 1330	Matthias Langhorst, Jena <i>Analysing the speed of life - imaging intracellular movements</i>	
1330 - 1350	Rene Hessling, Göttingen <i>More than just imaging – laser light manipulation in confocal microscopy</i>	
1350 - 1420	Bernhard Goetze, Jena <i>ZEN 2007 - The new software for the LSM 5 family</i>	
1420 - 1440	Hubert Bauch, Göttingen <i>New light sources for modern fluorescence microscopy – Colibri</i>	
1440 - 1500	Richard Ankerhold, Bernried	

	<i>The new generation of PALM microbeam systems - bridging the gap from microscopy to molecular analysis</i>	
1400 - 1530	Careers Outside Academia (a Career Development Committee Session) Sue Kenwick (Cambridge) Barbara Jane Tigar (Blackburn)	Konferenz 2
1600 - 1830	MiniSymposium 1 - Pathogen-host interactions Chairpersons: Philippe Sansonetti and Maria Mota	Konferenz 5
1600 - 1630	Philippe Sansonetti (Paris) <i>How Shigella hijacks host cell gene transcription and signalling pathways to modulate the innate immune response</i>	
1630 - 1700	Maria Mota (Oeiras) <i>Malaria infection: approaching the host</i>	
1700 - 1730	Michael Malim (London) <i>APOBEC proteins, cytidine deamination and intrinsic resistance to HIV infection</i>	
1730 - 1800	Dirk Lindemann (Dresden) <i>Regulation of a retroviral particle release process by ubiquitination of the envelope glycoprotein</i>	
1800 - 1830	Alyssa Ingmundson (New Haven) <i>The Legionella pneumophila type IV substrate protein LepB regulates Rab1 function</i>	
1600 - 1830	MiniSymposium 2 - Nuclear structure and dynamics Chairpersons: Maarten Fornerod and Valerie Doye	Konferenz 2
1600 - 1630	Maarten Fornerod (Amsterdam) <i>Intranuclear association of nucleoporins with active chromatin</i>	
1630 - 1700	Valerie Doye (Paris) <i>Dynamics of the Nup107-160 nuclear pore sub-complex in vertebrates and Drosophila</i>	
1700 - 1730	Dirk Görlich (Heidelberg) <i>Dissection and reconstitution of the permeability barrier of nuclear pore complexes</i>	
1730 - 1800	Bettina Bradatsch (Heidelberg) <i>Arx1, a new unconventional export receptor of the large pre-ribosomal subunit</i>	
1800 - 1830	David Stanek (Prague) <i>Regeneration of spliceosomal snRNPs in Cajal bodies</i>	
1600 - 1830	MiniSymposium 3 - Protein degradation Chairpersons: Matthias Peter and Thomas Sommer	Konferenz 3
1600 - 1630	Matthias Peter (Zürich) <i>Regulation and function of cullin-based E3-ubiquitin ligases</i>	
1630 - 1700	Thomas Sommer (Berlin) <i>Protein quality control by the HRD-ligase complex</i>	
1700 - 1730	Ronald Hay (Dundee) <i>Role of SUMO modification in transcriptional regulation</i>	
1730 - 1800	Jens Fielitz (Berlin) <i>Myosin storage myopathy resulting from the loss of Muscle RING Finger 1 and 3</i>	
1800 - 1830	Koret Hirschberg (Tel Aviv) <i>Pre-proteasomal proteolysis of ER-retained mutants of the pendrin iodide transporter</i>	
1600 - 1830	MiniSymposium 4 - Membrane dynamics Chairpersons: Volker Haucke and Anne Spang	Konferenz 6
1600 - 1630	Volker Haucke (Berlin) <i>Molecular insights into adaptor-mediated membrane traffic</i>	
1630 - 1700	Anne Spang (Basel) <i>Functions of the novel RhoGAPs RGA-3 and RGA-4 in the germ line and in the early embryo of C. elegans</i>	
1700 - 1730	Peter Cullen (Bristol) <i>Phosphoinositides in receptor sorting and signalling from the endocytic network</i>	
1730 - 1800	Elavarasi Dharmalingam (Magdeburg) <i>F-BAR domain proteins of the syndapin family are curvature-sensing plasma membrane targeting devices crucial for shaping membranes by actin cytoskeletal control</i>	
1800 - 1830	Graca Raposo (Paris)	

	<i>Roles of BLOC-1 and AP-3 machineries in cargo-specific sorting toward lysosome-related organelles</i>	
1600 - 1830	MiniSymposium 5 - Evolution	Seminar 5 & 6
	Chairpersons: Siv Anderson and Sebastian Bonhoeffer	
1600 - 1630	Siv Anderson (Uppsala) <i>Origin of mitochondria and evolution of bacterial genomes</i>	
1630 - 1700	Sebastian Bonhoeffer (Zürich) <i>Recombination and drug resistance in HIV: An evolutionary perspective</i>	
1700 - 1730	Csaba Pal (Budapest) <i>Evolution of metabolic networks</i>	
1730 - 1800	Michael Brauchle (New York) <i>Evolution of early embryonic developmental mechanisms in Rhabditidae</i>	
1800 - 1830	Murray Coles (Tübingen) <i>Evolution of a protein metafold</i>	
1600 - 1830	MiniSymposium 6 - Neurons	Konferenz 4
	Chairpersons: Iris Salecker and Pico Caroni	
1600 - 1630	Iris Salecker (London) <i>Regulation of photoreceptor axon targeting in the visual system of Drosophila</i>	
1630 - 1700	Thomas Hummel (Münster) <i>Sensory map formation in the Drosophila olfactory system</i>	
1700 - 1730	Kevin Mitchell (Dublin) <i>Semaphorin and plexin mutants as models for disorders of connectivity</i>	
1730 - 1800	Pico Caroni (Basel) <i>Mechanisms controlling experience-dependent circuit remodeling in the adult</i>	
1800 - 1830	Mark Huebener (Martinsried) <i>Structural correlates of ocular dominance plasticity in mouse visual cortex</i>	
1600 - 1830	MiniSymposium 7 - Microtubules	Konferenz 1
	Chairpersons: Stephan Grill and Eric Karsenti	
1600 - 1630	Stephan Grill (Dresden) <i>The mechanics of asymmetric cell division</i>	
1630 - 1700	Eric Karsenti (Heidelberg) <i>Purification of a Ran-dependent plus end microtubule stabilization factor from egg extracts.</i>	
1700 - 1730	Yves Barral (Zürich) <i>Mutual regulation between CDC28 and KAR9 during yeast spindle positioning</i>	
1730 - 1800	Peter Bieling (Heidelberg) <i>Reconstitution of a microtubule plus-end tracking system in vitro</i>	
1800 - 1830	Cecile Leduc (Dresden) <i>Detection of fractional steps in cargo movement by the collective operation of kinesin-1 motors</i>	
1845 - 2015	EMBL and its Alumni: up-dates and discussion	Konferenz 5
1845 - 1915	Daniel Louvard (Paris) <i>Alumni association up-date and career development</i>	
1915 - 1945	Matthias Hentze (Heidelberg) <i>EMBL today and tomorrow</i>	
1945 - 2015	Kai Simons (Dresden) EMBL culture in Dresden	

1900	Open Floor Debate (a Career Development Committee Session)	Konferenz 1
	<i>A tenure-track career structure for European academics</i>	
	Tony Hyman (Chair of the ISE Working Group on Academic Careers)	
	<i>The European failure: How the lack of a career structure continues to hold back European science</i>	
	Beate Scholz (DFG Research Careers Programme Director)	
	<i>Tenure track - approaches to create a new paradigm in Germany</i>	
	Katarina Bjelke (Director for Research and Postgraduate education Karolinska Institutet)	
	<i>On the Karolinska Institutet's new tenure-track career system</i>	
	Janet Rossant (Hospital for Sick Children, Toronto)	
	<i>North American science- tenured and non-tenured career structures</i>	
	Pietro De Camilli (New Haven)	
	Peter Walter (San Fransico)	

	Monday, 3 September 2007	
0900 - 1030	Plenary Session 3 - Protein modification Chairperson: Michele Solimena (Dresden)	Großer Saal
0900 - 0930	Stefan Jentsch (Martinsried) <i>Ubiquitin and SUMO as decision makers</i>	
0930 - 1000	Jonathan Weissman (San Francisco) <i>A mechanism for ensuring the integrity of the endoplasmic reticulum's folding machinery</i>	
1000 - 1030	Frauke Melchior (Göttingen) <i>Wrestling with SUMO</i>	
1030 - 1100	Coffee Break	Exhibition Area
1100 - 1230	Plenary Session 4 - Epigenetics and differentiation Chairperson: Francis Stewart (Dresden)	Großer Saal
1100 - 1130	Renato Paro (Heidelberg) <i>Epigenetic control of cellular plasticity and tissue regeneration</i>	
1130 - 1200	Mariann Bienz (Cambridge) <i>Molecular mechanisms of Wnt signalling</i>	
1200 - 1230	Janet Rossant (Toronto) <i>Stem cells and lineage commitment in the early mammalian embryo</i>	
1200 - 1440	Career Mentoring Lunch (a Career Development Committee Session) Sponsored by Fermentas	Saal 1
1400 - 1530	Funding Sources Showcase (a Career Development Committee Session)	Konferenz 2
1400 - 1430	Vasco Veloso (Brussels) <i>The European Research Council</i>	
1430 - 1500	David G. Pina (Brussels) <i>The Marie Curie actions</i>	
1500 - 1530	Rolf Stratmann (Bonn) <i>The EU cooperation programme with special emphasis on SME</i>	
1400 - 1500	Navigating Nature: how to publish in Nature journals and explore its gateways and databases Nature Cell Biology Emily Chenette (UCSD-Nature Signaling Gateway) Nathalie Lebot (Nature Cell Biology)	Konferenz 3
1300 - 1500	Rowiak GmbH Workshop <i>Micro- and nanodissection using ultrashort laser pulses</i> Saskia Willenbrock	Seminar 5 & 6
1300 - 1500	Keyence Workshop <i>Digital microscopy solutions dedicated to life science</i>	Seminar 3 & 4
1300 - 1500	Nikon GmbH Workshop <i>Optimum cell care during long term imaging</i>	Konferenz 4
1300 - 1310	Welcome and introduction Jörg Kukulies, Nikon GmbH, General Manager Microscopy	
1310 - 1400	Session I Pia Oberbanscheidt, Nikon GmbH, Specialist Imaging and BioStation Systems <i>Cellogy – Nikon's new approach to long term imaging and handling of live cells. Presentation of Nikon' BioStation product range</i>	
1400 - 1500	Session II Herman Fennema, Nikon Instruments Europe B.V., Specialist Confocal Microscopy <i>Kind confocal fluorescence; Imaging faster and imaging longer with SFC and CLEM from Nikon</i>	

1300 - 1600	Poster Session II	Exhibition area
	Intracellular transport	
	Molecular microbiology	
	Cancer biology	
	Organelles	
	Novel approaches	
	Viruses	
	Molecular physiology	
	Programmed cell death	
	Early development	
	Morphogenesis	
	Cells and tissues	
1600 - 1830	MiniSymposium 8 - The secretory pathway	Konferenz 6
	Chairpersons: Rainer Pepperkok and Francis Barr	
1600 - 1625	Rainer Pepperkok (Heidelberg)	
	<i>Illuminating the early secretory pathway</i>	
1625 - 1650	Francis Barr (Martinsried)	
	<i>Regulation of membrane trafficking by Rabs and their GAPs</i>	
1650 - 1715	Ben Nichols (Cambridge)	
	<i>The role of flotillin proteins in membrane traffic</i>	
1715 - 1740	Martin Lowe (Manchester)	
	<i>Coordination of membrane tethering and fusion at the cis-Golgi</i>	
1740 - 1805	Dusanka Deretic (Albuquerque)	
	<i>A protein complex, recruited by the binding of rhodopsin c-terminal VxPx Motif to Arf4, coordinates ciliary targeting and cellular morphogenesis</i>	
1805 - 1830	Rainer Duden (Egham)	
	<i>Human ARFGAPs acting in the COP I pathway: a novel link to mitotic signalling</i>	
1600 - 1830	MiniSymposium 9 - Stem cells	Konferenz 2
	Chairperson: Elly Tanaka	
1600 - 1630	Elly Tanaka (Dresden)	
	<i>Limb regeneration and the multipotency of progenitor cells</i>	
1630 - 1700	Shahragim Tajbakhsh (Paris)	
	<i>Genetic regulation and asymmetric cell divisions in skeletal muscle during development and regeneration</i>	
1700 - 1730	Ian Chambers (Edinburgh)	
	<i>Nanog safeguards pluripotency and mediates germ cell development</i>	
1730 - 1800	Gilbert Weidinger (Dresden)	
	<i>The role of Wnt signalling pathways in regenerative processes</i>	
1800 - 1830	Simona Chera (Geneva)	
	<i>Immediate cell death and cell cycle re-entry drive head regeneration in wild-type hydra</i>	
1600 - 1830	MiniSymposium 10 - Actin and cell processes	Konferenz 1
	Chairpersons: Pekka Lappalainen and Walther Mothes	
1600 - 1630	Pekka Lappalainen (Helsinki)	
	<i>Regulation of the actin cytoskeleton and plasma membrane dynamics by MIM/ABBA family proteins</i>	
1630 - 1700	Walther Mothes (New Haven)	
	<i>Retroviruses induce filopodial bridges for efficient cell-to-cell transmission</i>	
1700 - 1730	Michael Way (London)	
	<i>Rho-mDia signalling regulates microtubule dynamics and cortical actin during vaccinia virus infection</i>	
1730 - 1800	Michael M. Kessels (Magdeburg)	
	<i>Cordon-bleu is a novel actin nucleation factor and controls neuronal morphology</i>	
1800 - 1830	Emmanuele Helfer (Gif-sur-Yvette)	
	<i>The motile behavior of actin-propelled GUVs is controlled by the competition between free diffusion and Arp2/3-mediated segregation of N-WASP at the membrane</i>	

1600 - 1830	MiniSymposium 11 - Systems biology Chairpersons: Frank Jülicher and Jussi Taipale	Seminar 5 & 6
1600 - 1630	Frank Jülicher (Dresden) <i>Morphogen transport and gradient formation</i>	
1630 - 1700	Jussi Taipale (Helsinki), EMBO Young Investigator Lecture <i>Systems biology of cancer</i>	
1700 -1730	Bela Novak (Budapest) <i>Modelling exit from mitosis in budding yeast</i>	
1730 - 1800	Ulrike Korf (Heidelberg) <i>Infrared-based protein detection arrays (IPAQ) for quantitative proteomics</i>	
1800 - 1830	Mikolaj Slabicki (Dresden) <i>A systematic view of DNA double-strand break repair by a genome-wide RNAi screen in human cells</i>	
1600 - 1730	MiniSymposium 12 - Plant cells Chairpersons: Simon Geir Møller and Ykä Helariutta	Konferenz 3
1600 - 1630	Simon Geir Møller (Stavanger) <i>The mechanism of plastid division</i>	
1630 - 1700	Ykä Helariutta (Helsinki) <i>Integration of hormonal and genetic regulation during vascular morphogenesis in Arabidopsis</i>	
1700 - 1730	Paloma Más (Barcelona) <i>Chromatin remodelling and the Arabidopsis thaliana biological clock</i>	
1600 - 1830	MiniSymposium 13 - Glycobiology Chairpersons: Samuel Zeeman and Kurt Drickamer	Konferenz 4
1600 - 1630	Samuel Zeeman (Zürich) <i>Previously unsuspected parallels between starch metabolism in plants and glycogen in mammal.</i>	
1630 - 1700	Kurt Drickamer (London) <i>Recognising glycans: genomic and glycomic exploration of mammalian receptors for cell surface sugars</i>	
1700 - 1730	Ulf Lindahl (Uppsala) <i>Heparan sulfate-protein interactions in development, homeostasis and disease</i>	
1730 - 1800	Nausicaä Lannoo (Ghent) <i>Identification and subcellular localization in plants of F-box proteins with a C-terminal domain homologous to the N-glycan specific tobacco lectin</i>	
1800 - 1830	Martin Götte (Münster) <i>Altered Heparan Sulfation patterns are associated with delayed wound repair and aberrant MAPK signalling in the galactosyltransferase-deficient (beta4-GalT-7) form of Ehlers-Danlos Syndrome</i>	
1600 - 1830	MiniSymposium 14 - Endoplasmic reticulum Chairperson: Nica Borgese	Konferenz 5
1600 - 1630	Nica Borgese (Milano) <i>Transmembrane domain-dependent sorting within the endoplasmic reticulum</i>	
1630 - 1700	Thomas Becker (Munich) <i>The active ribosome translocon complex at 7 Å resolution</i>	
1700 - 1730	Hans-Peter Hauri (Basel) <i>Capturing protein interactions in the ER: screening for cargo proteins of the transport receptor ERGIC-53</i>	
1730 - 1800	Leda Bergamelli (Milan) <i>ERp44 interacts with Ero1 a and IP3Rtype I in the early secretory pathway and couples redox and calcium homeostasis and signalling</i>	
1800 - 1830	Adabella van der Zand (Utrecht) <i>The birth of a peroxisome</i>	
1845 -	Cinema of the cell followed by party	Großer Saal / Terrace

	Tuesday, 4 September 2007	
0900 - 1000	KLAUS TSCHIRA LECTURES - Plenary Session 5 - Development Chairperson: Maria Leptin (Cologne)	Großer Saal
0900 - 0930	Eric Wieschaus (Princeton) <i>The cell biology of morphogen gradients in the drosophila embryo</i>	
0930 - 1000	Christiane Nüsslein-Volhard (Tübingen) <i>Skin, Scales and Fins: Genetic analysis of the development of adult integumentary structures in the zebrafish</i>	
1000 - 1030	Coffee Break	Exhibition Area
1030 - 1200	Plenary Session 6 – Molecular medicine Chairperson: Elina Ikonen (Helsinki)	Großer Saal
1030 - 1100	Rick Lifton (New Haven) <i>Genes and pathways for cardiovascular, bone and kidney disease from human genetics</i>	
1100 - 1130	Robert Webster (Memphis) <i>Pandemic influenza: emergence and control</i>	
1130 - 1200	Barbara Cannon (Stockholm) <i>Obesity: a combat between brown and white adipose tissues?</i>	
1300 - 1500	Meet a Mentor: Eric Wieschaus (a Career Development Committee Session) Sponsored by Cell Press and ELS - Encyclopedia of Life Sciences	Konferenz 2
1300 - 1500	Leica Workshop <i>A life journey on subcellular details to small animals</i>	Konferenz 6
1300- 1330	Andre Quinkertz, Leica Microsystems <i>Fiber confocal laser scanning technology for real time in vivo microscopy in small animals</i>	
1330-1400	Ralf Jacob, Philipps-University of Marburg, Department of Cytobiology and Cytopathology <i>TIRF-applications in cell biology</i>	
1400-1430	Stephan Sigrist, Rudolf-Virchow-Institute Universität Würzburg, Bioimaging Center <i>Using STED superresolution to explore the relation of macromolecular organization and vesicle release at presynaptic active zones</i>	
1430-1500	Martin Hoppe, Leica Microsystems <i>Innovation in confocal microscopy</i>	
1300 - 1500	Veeco Workshop	Seminar 3 & 4
1300 - 1500	Beckman Workshop <i>Lab automation - from cells to genes</i>	Seminar 5 & 6
1300 - 1530	EMBO Media Workshop <i>Your science in their hands - a media communication session</i> How is science news made? Do journalists do a good job? Can you read an article before it's published? Where are the problems in science communication, and how can they best be addressed? Find out and ask those burning questions in this session. Andrew Moore, Manager, EMBO Science & Society Programme Björn Schwenker, Science Editor, Die Zeit online Ania Lichtarowicz, BBC World Service Health Correspondent	Konferenz 4

1300 - 1600	Poster Session III	Exhibition area
	Glycobiology	
	Genome analysis and evolution	
	Plant biology	
	Endocytosis	
	Bioinformatics	
	Cell adhesion	
	Extracellular matrix	
	Signal transduction	
	Cell division	
	Other issues	
1600 - 1830	MiniSymposium 15 - Cell adhesion and extracellular matrix	Konferenz 5
	Chairpersons: Benny Geiger and Nick Brown	
1600 - 1630	Benny Geiger (Rehovot)	
	<i>Checks and balances in the regulation of the integrin adhesome network</i>	
1630 - 1700	Nick Brown (Cambridge)	
	<i>Linking integrins to the cytoskeleton</i>	
1700 - 1730	Rolf Kemler (Freiburg)	
	<i>Gene replacement reveals a specific role for E-cadherin in the formation of a functional trophectoderm</i>	
1730 - 1800	Christoph Ballestrem (Manchester)	
	<i>The story of how vinculin controls cell-matrix adhesions</i>	
1800 - 1830	Frans Van Roy (Ghent)	
	<i>A transgenic approach to dissecting the functions of the p120ctn isoforms in vivo: focus on isoform C</i>	
1600 - 1830	MiniSymposium 16 - Endocytosis	Konferenz 6
	Chairpersons: Marta Miaczynska and Christien Merrifield	
1600 - 1630	Marta Miaczynska (Warsaw)	
	<i>APPL-positive endosomes: a biochemical and microscopical characterization</i>	
1630 - 1700	Christien Merrifield (Cambridge)	
	<i>Systematic mapping of the molecular dynamics of clathrin mediated endocytosis</i>	
1700 - 1730	Lucas Pelkmans (Zürich)	
	<i>Mapping and integrating virus entry and endocytic pathways in human cells</i>	
1730 - 1800	Eva Schmid (Cambridge)	
	<i>Network dynamics in clathrin-mediated endocytosis - Molecular studies of the AP2 hub</i>	
1800 - 1830	Maria Laura Cremona (New York)	
	<i>Flotillin-1 is required for PKC-regulated endocytosis</i>	
1600 - 1830	MiniSymposium 17 - Mitosis	Konferenz 4
	Chairpersons: Andrea Musacchio and Simonetta Piatti	
1600 - 1630	Andrea Musacchio (Milano)	
	<i>The spindle assembly checkpoint in space and time</i>	
1630 - 1700	Simonetta Piatti (Milano)	
	<i>Spindle mispositioning and mitotic exit in budding yeast: regulation of the small GTPase Tem1</i>	
1700 - 1730	Jan Ellenberg (Heidelberg)	
	<i>Self-organization of MTOCs replaces centrosome function during acentrosomal spindle assembly in live mouse oocytes</i>	
1730 - 1800	Kathleen Rankin (Seattle)	
	<i>MCAK regulates astral microtubule length and influences cortical contractile activity in dividing cells</i>	
1800 - 1830	Buzz Baum (London) EMBO Young Investigator Lecture	
	<i>Moesin controls cortical rigidity, cell rounding and spindle assembly during mitosis</i>	

1600 - 1830	MiniSymposium 18 - RNA	Seminar 5 & 6
	Chairpersons: Frédéric Allain and Juan Valcarcel	
1600 - 1630	Frédéric Allain (Zürich)	
	<i>Insights into alternative splicing mechanisms with the solution structures of several RRM-RNA complexes</i>	
1630 - 1700	Juan Valcarcel (Barcelona)	
	<i>Cellular programmes of alternative splicing regulation</i>	
1700 - 1730	Jernej Ule (Cambridge)	
	<i>Genome-wide mapping of functional protein RNA interactions</i>	
1730 - 1800	Noélia Custódio (Lisboa)	
	<i>Splicing- and cleavage-independent requirement of RNA polymerase II CTD for mRNA release from the site of transcription</i>	
1800 - 1830	Fulvia Bono (Heidelberg)	
	<i>Structural studies of the exon junction complex</i>	
1600 - 1900	MiniSymposium 19 - Signalling	Konferenz 1
	Chairpersons: Miguel del Pozo and Stefano Piccolo	
1600 - 1630	Miguel del Pozo (Madrid), EMBO Young Investigator Lecture	
	<i>Caveolin-1 in cell polarisation and directional cell migration</i>	
1630 - 1700	Stefano Piccolo (Padua)	
	<i>TGF-beta signalling in development and cancer</i>	
1700 - 1730	Fried Zwartkruis (Utrecht)	
	<i>Rap1 in cell adhesion and cell migration</i>	
1730 - 1800	Johanna Ivaska (Turku), EMBO Young Investigator Lecture	
	<i>Cytoplasmic integrin binding proteins regulate migration and signalling</i>	
1800 - 1830	Andreas Jenny (New York)	
	<i>Regulation of Dishevelled in Wnt/b-Catenin and Fz/planar cell polarity signalling</i>	
1830 - 1900	Katja Hoepker (Freiburg)	
	<i>MRLC is a novel binding protein of the basophilic kinase motif and is involved in DNA-damage checkpoint signalling</i>	
1600 - 1830	MiniSymposium 20 - Development	Konferenz 3
	Chairpersons: Yohanns Bellaïche and Catherine Rabouille	
1600 - 1630	Yohanns Bellaïche (Paris)	
	<i>Regulation of cell division during epithelial tissue development</i>	
1630 - 1700	Michel Bagnat (San Francisco)	
	<i>Genetic control of single lumen formation in the zebrafish gut</i>	
1700 - 1730	Jean Rene Huynh (Paris)	
	<i>Asymmetric segregation of Wicked during the germline stem cell and cyst divisions in Drosophila oogenesis</i>	
1730 - 1800	Rik Korswagen (Utrecht)	
	<i>Wnt signalling requires retromer dependent recycling of MIG-14/Wls in Wnt producing cells</i>	
1800 - 1830	Catherine Rabouille (Utrecht)	
	<i>A role for dGRASP in epithelium integrity in Drosophila</i>	
1600 - 1830	MiniSymposium 21 - Molecular medicine	Konferenz 2
	Chairpersons: Frédéric Saudou and Jens Bruening	
1600 - 1630	Frédéric Saudou (Orsay)	
	<i>Huntington's disease: function and dysfunction of huntingtin in the control of cellular dynamics and neuronal apoptosis</i>	
1630 - 1700	Jens Bruening (Cologne)	
	<i>Genetic analysis of CNS pathways regulating energy homeostasis</i>	
1700 - 1730	Bassem Hassan (Leuven)	
	<i>A Drosophila model for CNS axonal injury and regeneration</i>	
1730 - 1800	Johannes Backs (Dallas)	
	<i>Differential regulation of histone deacetylase 4 by CaM kinase II and protein kinase A</i>	
1800 - 1830	Cahir O'Kane (Cambridge)	
	<i>Drosophila SPG6 and ichthyin homolog downregulates axonal microtubules by antagonizing BMP signaling - implications for axonal degenerative diseases</i>	

1900	Closing Remarks and Poster Awards Presentation	Großer Saal
	Sponsored by Carl Zeiss MicroImaging GmbH and Nature	