

Schedule of the XIX Linz Winter Workshop 2017

Friday, Feb.3

19:00-23:00	Get Together & Registration	Sommerhotel Julius-Raab-Heim, Ground Floor
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Saturday, Feb.4

08:00-09:00	Registration	Sommerhotel Julius-Raab-Heim, Ground Floor
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09:00-09:15	Welcome / Opening	Peter Hinterdorfer <i>Johannes Kepler University of Linz, Austria</i>
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Sebastian Roth
Keysight Technologies, Germany

Session I: Correlative Microscopy

Chairman: Thomas Schmidt

09:15-09:40	<i>Frank Lafont</i> Pasteur Institute Lille, France	1	Correlative microscopy approaches to study cell biophysics features during infection
09:40-10:05	<i>Daniel Navajas</i> University of Barcelona, Spain	2	Extracellular matrix nanomechanics

10:05-10:30	Coffee Break	Sommerhotel Julius-Raab-Heim, Ground Floor
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Session II: Scanning Microwave Microscopy

Chairman: Mervyn Miles

10:30-10:55	<i>Peter Burke</i> University of California, USA	3	A modified Hodgkin-Huxley model for nanoelectronics
10:55-11:10	<i>Ferry Kienberger</i> Keysight Labs, Austria	4	Nanoscale complex impedance and dielectric properties at GHz frequencies by scanning microwave microscopy
11:10-11:35	<i>Marco Farina</i> University of Marche, Italy	5	Frequency-domain and time-domain scanning microwave microscopy for biological applications
11:35-12:00	<i>Eric Lesniewska</i> University of Bourgogne, France	6	Study of the impact of a mucosal pellicle on the physical properties of oral epithelial cells by force spectroscopy and scanning microwave microscopy

12:00-13:30	Lunch	Sommerhotel Julius-Raab-Heim, Ground Floor
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Session III: Protein Folding/Unfolding

Chairman: Joon Won Park

13:30-13:55	<i>Hongbin Li</i> University of British Columbia, Canada	7	Folding and unfolding dynamics of a slipknotted protein probed by single force spectroscopy
13:55-14:10	<i>Nicola Galvanetto</i> SISSA Trieste, Italy	8	Mechanical unfolding of proteins from native neuron membrane
14:10-14:25	<i>Georg Krainer</i> TU Dresden, Germany	9	Probing conformational misfolding and drug rescue of a cystic fibrosis phenotypic mutation in CFTR helical hairpins by single-molecule FRET

14:30-16:30	Coffee Break and Poster Session	Sommerhotel Julius-Raab-Heim, Ground Floor
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Session IV: Nano-microbiology

Chairman: Ana Paola Pego

16:30-16:45	<i>Mitchell Doktycz</i> Oak Ridge National Laboratory, USA	10	Identification and characterization of lantibiotic activity in the <i>Populus</i> microbiome
16:45-17:00	<i>Dave Allison</i> University of Tennessee, USA	11	An AFM approach to target and destroy antibiotic resistant microbes
17:00-17:15	<i>Claire Valotteau</i> Universite Catholique de Louvain, Belgium	12	Mechanical strength and inhibition of the <i>Staphylococcus aureus</i> collagen-binding protein Cna
17:15-17:30	<i>Cecile Feuillie</i> Universite Catholique de Louvain, Belgium	13	Biofilm accumulation by the staphylococcal protein SdrC: molecular mechanism and inhibition
17:30-17:45	<i>Yoo Jin Oh</i> University of Linz, Austria	14	Nanoscale characterization of interactions between single bacterium and polycationic brushes by force microscopy
18:45-23:00	Conference Dinner in Schloss Wildberg		Buses depart in front of the Sommerhotel Julius-Raab-Heim at 18:45

Sunday, Feb. 5

Session V: Nanomechanical Force Spectroscopy

Chairman: Hongbin Li

09:00-09:25	<i>Ricardo Garcia</i> CSIC Madrid, Spain	15	Nanomechanical spectroscopy: from single proteins to single cells
09:25-09:40	<i>John Elie Sader</i> The University of Melbourne, Australia	16	A virtual instrument to standardise the calibration of atomic force microscope cantilevers
09:40-10:05	<i>Joon Won Park</i> Pohang University, South Korea	17	Mapping and quantification of miRNA in neuronal cells
10:05-10:30	<i>Nuno Santos</i> University of Lisbon, Portugal	18	Atomic force microscopy as a tool to evaluate the risk for cardiovascular diseases in patients

10:30-11:00	Coffee Break	Sommerhotel Julius-Raab-Heim, Ground Floor
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Session VI: Optical Super-resolution Microscopy

Chairman: Gerhard Schütz

11:00-11:25	<i>Bernd Rieger</i> Delft University of Technology, The Netherlands	19	Super-resolution microscopy: what is the resolution?
11:25-11:50	<i>Helge Ewers</i> FU Berlin, Germany	20	Nanoscopic compartmentalization of membrane protein motion at the axon initial segment
11:50-12:15	<i>Johann Georg Danzl</i> IST Austria / MPI Göttingen, Germany	21	Novel approaches for improving coordinate-targeted nanoscopy of living cells and tissues

12:15-13:30	Lunch	Sommerhotel Julius-Raab-Heim, Ground Floor
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Session VII: High-Speed AFM**Chairman: Ricardo Garcia**

13:30-13:55	<i>Toshio Ando</i> Kanazawa University, Japan	22	GroEL-GroES interaction cycle revealed by high-speed AFM
13:55-14:20	<i>Takayuki Uchihashi</i> Kanazawa University, Japan	23	Structural flexibility and chaperone activity of 7ClpB revealed by high-speed AFM
14:20-14:35	<i>Carlos Amo</i> CSIC Madrid, Spain	24	Fundamental high speed limits in single-molecule and nanoscale force spectroscopies
14:35-14:50	<i>Gerald Kada</i> Keysight Technologies, Austria	25	Advances in quick-scanning Atomic Force Microscopy

14:50-16:40 **Coffee Break and Poster Session****Sommerhotel Julius-Raab-Heim, Ground Floor****Session VIII: Nanopatterning and Nano-tracking****Chairman: Eric Lesniewska**

16:40-17:05	<i>Ralf Jungmann</i> LMU Munich, Germany	26	Super-resolution microscopy with DNA molecules
17:05-17:20	<i>Andreas Arnold</i> TU Vienna, Austria	27	Monte Carlo simulations of protein micropatterning in biomembranes: effects of immobile sticky obstacles
17:20-17:45	<i>Mervyn Miles</i> University of Bristol, UK	28	Paintballing cells
17:45-18:10	<i>Laurent Cognet</i> University of Bordeaux, France	29	Single (nano)particle tracking and localization microscopy reveal nanoscale organizations in cells and live brain tissues

19:15 **Meeting point Main Square****Yellow trains depart for City Tour**20:00-23:00 **Conference Dinner****LENTOS Art Museum****Monday, Feb. 6****Session IX: Cell Membrane Mechanics****Chairman: Małgorzata Lekka**

09:00-09:25	<i>Manfred Radmacher</i> University of Bremen, Germany	30	Measuring the viscoelastic properties of cells by AFM
09:25-09:50	<i>Ana Paula Pego</i> University of Porto, Portugal	31	Atomic force microscopy at the service of nanoBiomaterials for targeted therapies to the nervous system
09:50-10:05	<i>Raya Sorkin</i> University of Amsterdam, The Netherlands	32	The soft side of extra-cellular vesicles
10:05-10:30	<i>Thomas Schmidt</i> Leiden University, The Netherlands	33	From shape to force

10:30-10:50 **Coffee Break****Sommerhotel Julius-Raab-Heim, Ground Floor****Session X: Single Molecule Force Spectroscopy****Chairman: Manfred Radmacher**

10:50-11:05	<i>Mareike Dieding</i> Bielefeld University, Germany	34	Functional characterization of cardiomyopathy-related desmoglein-2 variants
11:05-11:20	<i>Sofia Brander</i> Freiburg University, Germany	35	Adhesion and friction of single polystyrene molecules on supported lipid bilayers
11:20-11:35	<i>Lukas Traxler</i> University of Linz, Austria	36	Detailed analysis of the interaction mechanism between calmodulin and Orai proteins by combination of equilibrium, force, and kinetic studies
11:35-11:50	<i>Sandra Posch</i> University of Linz, Austria	37	VWF polymorphism p.Phe2561Tyr increases the bond life-time to platelet receptor GPIIb/IIIa: a single molecule force spectroscopy study

11:50-13:00 **Lunch****Sommerhotel Julius-Raab-Heim, Ground Floor**

Session XI: Single Cell Force Spectroscopy

Chairman: Toshio Ando

13:00-13:25	<i>Malgorzata Lekka</i> Polish Academy of Sciences, Cracow, Poland	38	Specific interactions of syndecans and integrins in human bladder cancer cells
13:25-13:40	<i>Martin Delguste</i> Université catholique de Louvain, Belgium	39	Deciphering cell-herpesvirus interactions using force-distance curve-based AFM
13:40-13:55	<i>Ricardo Pires</i> University of Minho, Portugal	40	Surface chemistry promotes distinct fibronectin adsorption and stem cell response
13:55-14:10	<i>Anais Sadoun</i> LAI Marseille, France	41	Mechano-transduction of T lymphocytes
14:10-14:25	<i>Bartłomiej Zapotoczyński</i> University of Krakow, Poland	42	AFM imaging of fenestrations in living liver sinusoidal endothelial cells

14:25-15:00 **Coffee Break**

Sommerhotel Julius-Raab-Heim, Ground Floor

Session XII: Membrane Transporters

Chairman: Peter Hinterdorfer

15:00-15:15	<i>Andreas Horner</i> University of Linz, Austria	43	Permeation through the bacterial urea transporter UreI
15:15-15:30	<i>Anny Fis</i> University of Linz, Austria	44	Investigating the bacterial translocon at the single molecule level
15:30-15:45	<i>Melanie Köhler</i> University of Linz, Austria	45	Key differences in the binding mechanism of purine nucleotides to mitochondrial uncoupling proteins studied by recognition force spectroscopy
15:45-16:00	<i>Tamas Hegedus</i> Semmelweis University, Budapest, Hungary	46	<i>In silico</i> modelling of ABCG2/BCRP structure and dynamics sheds light on xenobiotics recognition and transport function

Poster Sessions

Authors	Number	Title
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Saturday, 4th of February 2017

1 Œ Advances in microscopy & spectroscopy

<u>Enrico Brinciotti</u> , Georg Gramse, Silviu Tuca, Ivan Alic, Markus Kasper, and Ferry Kienberger <i>University of Linz, Keysight Labs, Linz, Austria</i>	1-1	Nanoscale complex impedance and dielectric properties at GHz frequency by scanning microwave microscopy
<u>Luís Fernando Hill de Moura Abicair</u> , Gustavo Miranda Rocha, Ricardo Cunha Michel, Gilberto Weissmüller <i>Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil</i>	1-2	Development of a 3D printed fluid/gas cell designed for AFM use
<u>Heiko Haschke</u> , Philipp Rauch <i>JPK Instruments AG, Berlin, Germany</i>	1-3	Quantitative easy-to-use atomic force microscopy in conjunction with super-resolution optical microscopy and optical tweezers
<u>S.-S. Tuca</u> , G. Gramse, E. Brinciotti, M. Kasper, Y. J. Oh, R. Zhu, C. Rankl, G. Badino, P. Hinterdorfer, F. Kienberger <i>University of Linz, Keysight Labs, Linz, Austria</i>	1-4	Calibrated impedance of cells and bacteria using scanning microwave microscopy

2 Œ Advanced optical microscopy

<u>Sujitha Puthukodan</u> , Richard Wollhofen, Jaroslaw Jacak and Thomas Klar <i>University of Linz, Linz, Austria</i>	2-1	Stimulated emission depletion microscopy
<u>E. Sobakinskaya</u> , M. Schmidt am Busch, T. Renger <i>University of Linz, Linz, Austria</i>	2-2	Accuracy of the Förster theory in the interpretation of FRET experiments
<u>Fabian Hauser</u> , Sandra Mayr, Bianca Buchegger, Jaroslaw Jacak <i>University of Applied Science Upper Austria, Linz, Austria</i>	2-3	3D dSTORM algorithms improvement by application of geodisc acceleration
<u>F. Faschinger</u> , M. Zimmermann, G. Knör and H. J. Gruber <i>University of Linz, Linz, Austria</i>	2-4	New thiol-reactive Eu complex for distance measurements by LRET
<u>Lijuan Zhang</u> , Stephanie Werner, Marçal Gallemí, Jixiang Kong, Edmundo R. Sánchez Guajardo, Yvon Jaillais, Thomas Greb, Youssef Belkhadir, Kareem Elsayad <i>Vienna Biocenter Core Facilities, Vienna Austria</i>	2-5	Brillouin light scattering (BLS) spectroscopy and correlative fluorescence Brillouin imaging (FBI) based non-invasive mechanical phenotyping of <i>Arabidopsis</i> mutants
<u>Reismann AWAF</u> , Atanasova L, Lichius A, Gruber SG, Zeilinger S, Schütz GJ <i>Technical University of Vienna, Vienna, Austria</i>	2-6	Visualizing signaling complexes in filamentous fungi

3 Œ High-Speed AFM

<u>Andreas Karner</u> , Jürgen Strasser, and Johannes Preiner <i>Center for Advanced Bioanalysis GmbH, Linz, Austria</i>	3-1	High speed atomic force microscopy . imaging proteins in action
<u>Yusuke Sakiyama</u> , Adam Mazur, Larisa E. Kapinos, Roderick Y.H. Lim <i>University of Basel, Basel, Switzerland</i>	3-2	Structural dynamics of nuclear pore complexes resolved by High-Speed AFM
<u>Sourav Maity</u> , Mark Loznik, Andreas Herrmann and Wouter H. Roos <i>University of Groningen, Groningen, The Netherlands</i>	3-3	Studying viral disassembly by high speed atomic force microscopy

<u>J. Kokavec</u> , D. Faragó, P. Kele, I. Casuso <i>University of Szeged, Szeged, Hungary</i>	3-4	Amplitude and phase determination using half cycle discrete Fourier transform for high speed atomic force microscopy
<u>Friederike Benning</u> , Shubham Singh, Yusuke Sakiyama, Adam Mazur, Roderick Lim, Timm Maier <i>University of Basel, Basel, Switzerland</i>	3-5	Watching molecular machines at work
<u>Je-Kyung Ryu</u> , Allard Katan, Jorine Eeftens, Shveta Bisht, Christain Haering, and Cees Dekker <i>Delft University of Technology, Delft, The Netherlands</i>	3-6	High Speed atomic force microscopy imaging on condensin

4 Å Molecular Forces and AFM imaging

<u>Rong Zhu</u> , Saanfor Hubert Suh, Michael Bindl, Marion Holy, Vivek Kumar, Andreas Ebner, Hermann J. Gruber, Michael Freissmuth, Amy Hauck Newman, Harald H. Sitte and Peter Hinterdorfer <i>University of Linz, Austria</i>	4-1	Forces between dopamine transporter (DAT) and its substrates
<u>Martin Fölsner</u> , Viktoria Motsch, Mario Brameshuber, Gerhard Schütz <i>Technical University of Vienna, Vienna, Austria</i>	4-2	Investigation of early T cell activation dynamics
<u>Lukas Schrangl</u> , Janett Göhring, Florian Kellner, Melanie Köhler, Peter Hinterdorfer, Johannes Huppa, Gerhard J. Schütz <i>Technical University of Vienna, Vienna, Austria</i>	4-3	Measurement of forces in the immunological synapse
<u>Gerald A. Meininger</u> , Linda Irons, Leike Xie, Markus Owen, Michael A. Hill, Luis A. Martinez-Lemus, Olga V. Glinskii, Vladislav V. Glinsky, Reuben O'Dea, Bindi S. Brook <i>University of Missouri, Columbia MO, USA</i>	4-4	Cell adhesion interactions between bone marrow endothelial cells and breast cancer cells modelled using predictive mechano-biological models
<u>Liang Qin</u> , Ramon A. van der Valk, Jocelyne Vreede, Geri F. Moolenaar, Andreas Hofmann, Nora Goosen, Remus T. Dame <i>Leiden University, Leiden, The Netherlands</i>	4-5	Environmentally driven conformational changes modulate H-NS-DNA bridging activity
<u>J. Teckentrup</u> , O. Al-Hamood, T. Steffen, H. Bednarz, V. Walhorn, K. Niehaus, D. Anselmetti <i>Bielefeld University, Bielefeld, Germany</i>	4-6	Comparative analysis of different xanthan samples by atomic force microscopy
<u>Arzu Çolak</u> , Bin Li, Roland Bennewitz <i>Leibniz Institute for New Materials</i>	4-7	The streptavidin-biotin interactions for different linkers

5 Å Nano-assemblies and micropatterning

<u>Charlotte Yvanoff</u> , Vytautas Navikas, Petar Stupar, Giovanni Dietler, Sandor Kasas, Ram nas Valiokas, Ronnie Willaert <i>Vrije Universiteit Brussel, Brussels, Belgium</i>	5-1	Single-cell micropatterning of osteocytes and nanobiological characterization
<u>Viktoria Motsch</u> , Gerhard J. Schütz and Eva Sevczik <i>Technical University of Vienna, Vienna, Austria</i>	5-2	DNA origami platform for protein interaction analysis
<u>Gerg Fülop</u> , Gerhard J. Schütz, Eva Sevczik <i>Technical University of Vienna, Vienna, Austria</i>	5-3	Probing the membrane environment of palmitoylated transmembrane proteins: a micropatterning approach
<u>G.Aylaz</u> , Ö.Celikbilek, M.Duman <i>Hacettepe University, Ankara, Turkey</i>	5-4	Molecularly imprinted polymeric nanoparticle modified film based MALDI sample probe for detection of ciprofloxacin
<u>Eljesa Murtezi</u> , Richard Wollhofen, Jaroslaw Jacak and Thomas A. Klar <i>University of Linz, Linz, Austria</i>	5-5	Sub-diffractive laser induced molecular patterning

Sunday, 5th of February 2017

6 Ë Cellular nano-mechanics & nanosensing

Piotr Deptu�, Ewelina Piktel, Mateusz Cie luk, Urszula Wnorowska, Katarzyna Niemirowicz and Robert Bucki <i>Medical University of Bialystok, Bialystok, Poland</i>	6-1	Mechanical and proliferative markers of breast cancer cells upon selected nanosystems treatment
K. Owczarczyk, B. Zapotocny, K. Szafranska,O. Czarnik, E. Kus, S.K. Chlopicki, M. Szymonski <i>Jagiellonian University, Krakow, Poland</i>	6-2	Force spectroscopy probing of liver sinusoidal endothelial cells in progression of the non-alcoholic fatty liver disease
Starodubtseva M. N.,Yegorenkov N. I.,Starodubtsev I. E., Petrenyov D. R.,Suslov A. A.,Chizhik S.A. <i>Gomel State Medical University, Gomel, Belarus</i>	6-3	Temperature- and scale-dependent parameters of lateral force maps of cell surface
Petar Stupar, Onya Opota, Giovanni Longo, Guy Prodromou, Giovanni Dietler, Gilbert Greub, Sandor Kasas <i>EPFL, Lausanne, Switzerland</i>	6-4	Nanomotion susceptibility of blood infectious agents
Petar Stupar, Wojciech Chomicki, Caroline Maillard, David Mikeladze, Aleksandar Kalauzi, Ksenija Radot , Giovanni Dietler and Sandor Kasas <i>EPFL, Lausanne, Switzerland</i>	6-5	Mitochondrial oscillations
Wojciech Chomicki, Petar Stupar, Sandor Kasas, Giovanni Dietler <i>EPFL, Lausanne, Switzerland</i>	6-6	Automation of device to detect oscillations induced by living organisms
Y. Guo, S. Maity, G. J. Wuite, W. H. Roos <i>Rijksuniversiteit Groningen, The Netherlands</i>	6-7	Mechanical properties of viral nanoshells
Christian Ganser, Caterina Czibula, Daniel Tscharnuter, Christian Teichert, Ulrich Hirn <i>University of Leoben, Leoben, Austria</i>	6-8	A combination of a viscoelastic material model with contact mechanics to study cellulosic materials with AFM
Petar Stupar, Charlotte Yvanoff, Wojciech Chomicki, Giovanni Dietler, Sandor Kasas and Ronnie Willaert <i>Vrije Universiteit Brussel, Brussels, Belgium</i>	6-9	Exploring nanoscale motion of yeast cells

7 Œ Structure and function of biological membranes

<u>Anand Kant Das</u> , Marco Niello, Harald Sitte and Gerhard Schuetz <i>Technical University of Vienna, Vienna, Austria</i>	7-1	Nanoscopic organization of dopamine transporter in living cells
<u>Michael Stadlbauer</u> , Marc Fahrner, Martin Muik, Christoph Romanin <i>University of Linz, Linz, Austria</i>	7-2	The STIM1 R304W mutant associated with Stormorken syndrome
<u>Maria Österbauer</u> , Ewald Weichselbaum, Peter Pohl, Günther Knör <i>University of Linz, Linz, Austria</i>	7-3	Caged protons facilitate studies of proton transport along lipid bilayers
<u>Constanze Lamprecht</u> , Josef Madl, Winfried Römer, Mathias Gehrmann, Andreas Ebner <i>University of Linz, Linz, Austria</i>	7-4	AFM investigations on model membranes to uncover the mechanism of the cancer specific association of Hsp70A1A with the cell membrane
<u>Christof Hanneschläger</u> , Peter Pohl <i>University of Linz, Linz, Austria</i>	7-5	Membrane permeability of ascorbic acid
<u>Ewald Weichselbaum</u> , Maria Österbauer, Günther Knör, Peter Pohl <i>University of Linz, Linz, Austria</i>	7-6	Regulation of proton migration along the lipid bilayer surface
<u>Denis Knyazev</u> , Roland Kuttner, Mirjam Zimmerman, Christine Siligan, Peter Pohl <i>University of Linz, Linz, Austria</i>	7-7	Conductivity of the bacterial translocon involved in translocation at the single molecule level

Miriam Zimmermann , Denis Knyazev, Roland Kuttner and Peter Pohl <i>University of Linz, Linz, Austria</i>	7-8	Insertion of hydrophobic membrane spanning stretches via the bacterial translocon
B. K. Rossboth , R. Platzer, J. Huppa, G. Schütz, M. Brameshuber <i>Technical University of Vienna, Vienna, Austria</i>	7-9	PS-CFP2 blinking introduces bias in commonly used clustering algorithms
Dylan Marques , Adelaide Miranda, Ana G. Silva, Pieter A. A. De Beule <i>Universidade Nova de Lisboa, Portugal</i>	7-10	Optical scattering of endocytosis
Thomas Schick , Olivier Biner, Yannic Müller, Christoph von Ballmoos <i>University of Basel, Switzerland</i>	7-11	Delivery of membrane proteins into small and giant unilamellar vesicles by charge-mediated fusion

8 Cell characterization at the nanoscale

H. Lozano , R. Millán, P. Astola, E. Torrents, G. Gomila <i>IBEC, Barcelona, Spain</i>	8-1	Electrical and morphological characterization of bacterial polar flagella
Donggyu Lee , Hyun Jin Kim, Joung-Hun Kim and Joon Won Park <i>Pohang University, South Korea</i>	8-2	Quantitative analysis of an antigen from a single cell using single molecule force spectroscopy
Rosana Alves , Daphné Dambourret, Alexander Sorkin, Adelaide Miranda, Pieter A. A. De Beule, David Drubin and Sandra Paiva <i>University of Minho, Braga, Portugal</i>	8-3	Characterization of intracellular trafficking of nutrient transporters using combined fluorescence optical sectioning and nanomechanical mapping atomic force microscopy in mammalian cells
KoziojA. , Cybulska J., Pieczywek P.M., Zdunek A. <i>Institute of Agrophysics, Lublin, Poland</i>	8-4	<i>In vitro</i> pectinase-induced changes of pectin structures and cell wall stiffness
Ikbum Park , Hyunseo Koo, Youngkyu Kim, Joung-Hun Kim, Joon Won Park <i>Pohang University, South Korea</i>	8-5	Visualization of non-coding cellular RNA distribution in a neuronal cell using Atomic Force Microscopy
Silvia Caballero-Mancebo , Benoit Godard, Carl-Philipp Heisenberg <i>IST Austria, Klosterneuburg, Austria</i>	8-6	Ooplasmic segregation in ascidian embryos
Lilia A. Chtcheglova , Peter Hinterdorfer, Siegfried Priglinger, Claudia S. Priglinger <i>University of Linz, Austria</i>	8-7	Following the epithelial-to-mesenchymal transition (EMT) of retinal pigment epithelial (RPE) cells at nanoscale
M. B. Brodesser , S. Mayr, F. Hauser, J. Breuss, M. Aspetsberger, D. Borgmann, S. Winkler, C. Gabriel, E. Priglinger, J. Jacak, B. Plochberger	8-8	A fast and reliable online-system for platelet viability studies