

Wednesday

Time	Speaker(s)	Subject	Location
Opening session			
08:45	Prof. Ir. K.Ch.A.M. Luyben (http://www.tudelft.nl/en/about-tu-delft/organisation/executive-board/kcamluyben/rector-magnificus-karel-cham-luyben/), Bernd Rieger (http://homepage.tudelft.nl/z63s8/) and Sjoerd Stallinga (http://homepage.tudelft.nl/99s1c/index.html)	Opening	auditorium
09:00	W. E. Moerner (<i>keynote</i>) Stanford, USA (http://web.stanford.edu/group/moerner/)	Quantitating Position and Orientation of Single-Molecule Emitters in Localization and Super-Resolution Microscopy (http://qiftp.tudelft.nl/media/QBI/abstracts/Quantitating Position and Orientation of Single-Molecule Emitters in Localization and Super-Resolution Microscopy.pdf)	auditorium
10:00	Clemens Kaminski (<i>invited</i>) Cambridge, UK (http://www.ceb.cam.ac.uk/directory/clemens-kaminski)	Superresolution microscopy of protein self assembly reactions (http://qiftp.tudelft.nl/media/QBI/abstracts/Superresolution microscopy of protein self assembly reactions.pdf)	auditorium
10:30		Coffee break	foyer
Biology			
11:00	Kyle Douglas Lausanne, Switzerland (http://www.unil.ch/central/en/home.html)	Polymer Modeling And Super-resolution Microscopy Determine The Compaction Of Human Telomeres (http://qiftp.tudelft.nl/media/QBI/abstracts/Polymer Modeling And Super-resolution Microscopy Determine The Compaction Of Human Telomeres.pdf)	auditorium
11:20	Job Fermie Utrecht, Netherlands (http://www.uu.nl/en)	Bridging Live-Cell Endo-Lysosomal Dynamics to 3D Electron Microscopy (http://qiftp.tudelft.nl/media/QBI/abstracts/Bridging Live-Cell Endo-Lysosomal Dynamics to 3D Electron Microscopy.pdf)	auditorium
11:40	David Grunwald Worcester, USA (http://www.worcester.edu)	A 4D View On mRNA (http://qiftp.tudelft.nl/media/QBI/abstracts/A 4D View On mRNA.pdf)	auditorium
12:00	Luuk Loeff Delft, Netherlands (http://www.bn.tudelft.nl/)	An Evolutionary Arms Race: How Bacteria Deal With Mutated Invaders (http://qiftp.tudelft.nl/media/QBI/abstracts/An Evolutionary)	auditorium

Arms Race - How Bacteria Deal With Mutated Invaders.pdf)

12:20	Stephane Bancelin Varenes, Canada (http://www.inrs.ca)	Impact Of Relative Collagen Fibril Polarity In Determining The Signal Intensity In Second Harmonic Generation Microscopy (http://qiftp.tudelft.nl/media/QBI/abstracts/Impact Of Relative Collagen Fibril Polarity In Determining The Signal Intensity In Second Harmonic Generation Microscopy.pdf)	auditorium
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12:40		Lunch	foyer
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Microscopy Techniques

14:00	Martin Booth (<i>tutorial</i>) Oxford, UK (http://www.cncb.ox.ac.uk/team/group-leaders/booth/)	Tutorial on Adaptive Optics for Quantitative Biomedical Microscopy	auditorium
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14:45	Giulia DeLuca Amsterdam, Netherlands (http://www.uva.nl/en/about-the-uva/organisation/staff-members/content/d/e/g.deluca/g.deluca.html)	Re-scan Confocal Microscopy: Scanning Twice For Better Resolution And High Sensitivity; Characterization And Applications In Multicolor Measurements	auditorium
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15:05	Joerg Enderlein Gottingen, Germany (http://www.joerg-enderlein.de/)	Image Scanning Microscopy (http://qiftp.tudelft.nl/media/QBI/abstracts/Image Scanning Microscopy.pdf)	auditorium
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15:25	Nathan Cook Gottingen, Germany (http://www3.mpibpc.mpg.de/groups/jovin/index.php/Main/HomePage)	Widefield Flim For Cellular Imaging With Novel Acquisition Schemes Based On The PI-MAX4-1024EMB Gated Intensified Camera (http://qiftp.tudelft.nl/media/QBI/abstracts/Widefield Flim For Cellular Imaging With Novel Acquisition Schemes Based On The PI-MAX4-1024EMB Gated Intensified Camera.pdf)	auditorium
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15:45	Mojtaba Shakeri Delft, Netherlands (http://www.tnw.tudelft.nl/en/about-faculty/departments/imaging-physics/research/researchgroups/quantitative-imaging/)	Novel 3D Whole Slide Imaging Platform For Digital Pathology (http://qiftp.tudelft.nl/media/QBI/abstracts/Novel 3D Whole Slide Imaging Platform For Digital Pathology.pdf)	auditorium
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16:05		Poster session (even numbers)	foyer
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Pair talks

17:05	Alessandra Cambi (<i>invited</i>) Nijmegen, Netherlands (http://www.utwente.nl/tnw/nbp/members/cvs/alessandra_cambi/)	Probing The Environment: Structural Connection And Spatial Coordination Of Mechanosensory Podosomes	auditorium
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17:30	Paul Wiseman (<i>invited</i>) Montreal, Canada (http://wiseman-group.mcgill.ca/)	Mapping Waves In The Podosome Neighborhood With Image Correlation Analysis	auditorium
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18:00	Ben Giepmans (<i>invited</i>) Groningen, Netherlands (http://www.cellbiology.nl/)	CLEM - Ultrastructure lights up!	auditorium
18:30	Jacob Hoogenboom (<i>invited</i>) Delft, Netherlands (http://www.tnw.tudelft.nl/en/about-faculty/departments/imaging-physics/research/researchgroups/charged-particle-optics/people/dr-ir-jp-hoogenboom-jacob/)	Automated, quantitative CLEM with integrated microscopy	auditorium
19:00		Welcome reception	foyer

Thursday

Time	Speaker(s)	Subject	Location
Opening session			
09:00	Diane Lidke (<i>keynote</i>) Albuquerque, USA (http://pathology.unm.edu/research/faculty-laboratories/the-lidke-laboratory/index.html)	Molecular Mechanisms EGFR Signaling Revealed By Fluorescence Nanoscopy	auditorium
09:45	Jean-Christophe Olivo-Marin (<i>invited</i>) Paris, France (http://www.bioimageanalysis.org/)	Intracellular Morphodynamics: virtual measurements inside the cell	auditorium
10:30		Coffee break	foyer
Labeling/Light sheet			
11:00	Suliana Manley (<i>invited</i>) Lausanne, Switzerland (http://leb.epfl.ch/)	Bacterial shape dynamics en route to cell division	auditorium
11:30	Christy Landes Houston, USA (http://www.uh.edu)	Imaging Porous Nanomaterials (http://qiftp.tudelft.nl/media/QBI/abstracts/Imaging Porous Nanomaterials.pdf)	auditorium
11:50	Alexander Schmitz Frankfurt, Germany (http://www.goethe-university-frankfurt.de/en?locale=en)	Scalable Quantitative Characterization Of Three-dimensional Multicellular Aggregates At Single Cell Resolution (http://qiftp.tudelft.nl/media/QBI/abstracts/Scalable Quantitative Characterization Of Three-dimensional Multicellular Aggregates At Single Cell Resolution.pdf)	auditorium
12:10	Marjolein Meddens Albuquerque, USA (http://panda3.phys.unm.edu/~klidke/people/post-doctoral-	Single Objective Light-sheet Microscopy For High-speed Whole-cell 3D Super-resolution Imaging (http://qiftp.tudelft.nl/media/QBI/abstracts/Single Objective Light-sheet Microscopy For High-speed Whole-cell 3D Super-	auditorium

	fellows.html)	resolution Imaging.pdf)	
12:30		Lunch	foyer
Localization analysis			
14:00	Keith Bennett (<i>tutorial</i>) Hamamatsu (http://www.hamamatsu.com/us/en/index.html)	Scientific Camera Capabilities And Limitations, With Considerations For Lightsheet And Localization Microscopies	auditorium
14:45	Siewert Hugelier Lille, France (http://www.univ-lille1.fr/home/)	SPIDER. An Algorithm For Dynamic Super-resolution Bioimaging (http://qiftp.tudelft.nl/media/QBI/abstracts/SPIDER. An Algorithm For Dynamic Super-resolution Bioimaging.pdf)	auditorium
15:05	Vladimir Curic Uppsala, Sweden (http://www.uu.se/en/)	Estimating Localization Uncertainty From Superresolution Microscopy Images (http://qiftp.tudelft.nl/media/QBI/abstracts/Estimating Localization Uncertainty From Superresolution Microscopy Images.pdf)	auditorium
15:25	Raimund Ober Austin, USA (http://www.wardoberlab.com)	Localization Accuracy In Fluorescence Microscopy Based On Experimentally Acquired Image Sets (http://qiftp.tudelft.nl/media/QBI/abstracts/Localization Accuracy In Fluorescence Microscopy Based On Experimentally Acquired Image Sets.pdf)	auditorium
15:45		Poster session (odd numbers)	foyer
Clustering & counting			
16:45	Susan Cox (<i>invited</i>) London, UK (http://www.coxphysics.com/)	Information in localisation microscopy (http://qiftp.tudelft.nl/media/QBI/abstracts/Information in localisation microscopy.pdf)	auditorium
17:15	Jan Keller Göttingen, Germany (http://www.mpibpc.mpg.de/de)	Mapping Molecules In Fluorescence Nanoscopy (http://qiftp.tudelft.nl/media/QBI/abstracts/Mapping Molecules In Fluorescence Nanoscopy.pdf)	auditorium
17:35	Florian Levet Bordeaux, France (http://www.u-bordeaux.com)	SR-TESELER: Multiscale Polygon-based Segmentation And Quantification Software For Single-molecule Localization Microscopy Data (http://qiftp.tudelft.nl/media/QBI/abstracts/SR-TESELER - Multiscale Polygon-based Segmentation And Quantification Software For Single-molecule Localization Microscopy Data.pdf)	auditorium
17:55	Thomas Schmidt Leiden, Netherlands (http://www.leiden.edu)	Force Sensing And Quantitative dSTORM On Signal Transduction Proteins Inside The Integrin Adhesome	auditorium

(<http://qiftp.tudelft.nl/media/QBI/abstracts/Force Sensing And Quantitative dSTORM On Signal Transduction Proteins Inside The Integrin Adhesive.pdf>)

18:05	Michelle Knowles Denver, USA (http://michelleknowles.wix.com/knowleslab)	Quantifying Protein and Lipid Accumulation at Sites of Membrane Curvature (http://qiftp.tudelft.nl/media/QBI/abstracts/Quantifying Protein and Lipid Accumulation at Sites of Membrane Curvature.pdf)	auditorium
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Friday

Time	Speaker(s)	Subject	Location
Opening session			
09:00	Lukas Kapitein (<i>invited</i>) Utrecht, Netherlands (http://cellbiology.science.uu.nl/research-groups/lukas-kapitein)	Cellular Cartography: New Markers And Methods For Mapping The Neuronal Cytoskeleton	auditorium
09:30	Edward Lemke (<i>invited</i>) Heidelberg, Germany (http://www.embl.de/research/units/scb/lemke/members/?s_personId=CP-60009301)	Precision Tools To Visualize Protein Plasticity	auditorium
10:00	Jean-Baptiste Masson (<i>invited</i>) Paris, France (https://www.pasteur.fr/ip/easysite/pasteur/en/research/scientific-departments/genomes-and-genetics/units-and-groups/physics-of-biological-systems/team/jean-baptiste-masson)	A Pipeline Approach To Single Molecule Dynamics Analysis	auditorium
10:30		Coffee break	foyer
Parallel sessions: Clustering/Single Molecules			
11:00	Dmitri Cherny Leicester, UK (https://www2.le.ac.uk/departments/molcellbiol/staff/dmitry-cherny-1)	Determination Of Stoichiometry Of Macromolecular Complexes From Single Molecule Experiments (http://qiftp.tudelft.nl/media/QBI/abstracts/Determination Of Stoichiometry Of Macromolecular Complexes From Single Molecule Experiments.pdf)	auditorium
11:20	Daniel Cross Birmingham, UK (http://www.birmingham.ac.uk/index.aspx)	Validation Of Clustering Algorithms In Benchmark And Super Resolution Data (http://qiftp.tudelft.nl/media/QBI/abstracts/Validation Of Clustering Algorithms In Benchmark And Super Resolution)	auditorium

11:40	Arun Shivanandan Lausanne, Switzerland (http://www.unil.ch/central/en/home.html)	On Characterizing Membrane Protein Clusters With Model-free Spatial Correlation Approaches (http://qiftp.tudelft.nl/media/QBI/abstracts/On Characterizing Membrane Protein Clusters With Model-free Spatial Correlation Approaches.pdf)	auditorium
12:00	Robert Nieuwenhuizen Delft, Netherlands (http://www.tnw.tudelft.nl/en/about-faculty/departments/imaging-physics/research/researchgroups/quantitative-imaging/)	Inferring The Stoichiometry Of Macromolecular Complexes Using Localization Microscopy (http://qiftp.tudelft.nl/media/QBI/abstracts/Inferring The Stoichiometry Of Macromolecular Complexes Using Localization Microscopy.pdf)	auditorium
12:20	Johannes Hohlbein Wageningen, Netherlands (http://www.wageningenur.nl/en.htm)	Camera-based Single-molecule FRET Detection With Improved Time Resolution (http://qiftp.tudelft.nl/media/QBI/abstracts/Camera-based Single-molecule FRET Detection With Improved Time Resolution.pdf)	auditorium

Parallel sessions: Structured Illumination/Scanning Approaches

11:00	Laurene Donati Lausanne, Switzerland (http://bigwww.epfl.ch/)	A Robust Reconstruction And Pattern Calibration Framework For Structured Illumination Microscopy (http://qiftp.tudelft.nl/media/QBI/abstracts/A Robust Reconstruction And Pattern Calibration Framework For Structured Illumination Microscopy.pdf)	senatszaal
11:20	Anthony de Vries Göttingen, Germany (http://www3.mpibpc.mpg.de/groups/jovin/index.php/Main/HomePage)	Intelligent Programmable Array Microscope (iPAM) For Adaptive, High Speed, Large Format Optical Sectioning (http://qiftp.tudelft.nl/media/QBI/abstracts/Intelligent Programmable Array Microscope (iPAM) For Adaptive, High Speed, Large Format Optical Sectioning.pdf)	senatszaal
11:40	Nadya Chakrova Delft, Netherlands (http://www.tnw.tudelft.nl/en/about-faculty/departments/imaging-physics/research/researchgroups/quantitative-imaging/)	Optimizing Illumination And Reconstruction In Patterned Illumination Microscopy (http://qiftp.tudelft.nl/media/QBI/abstracts/Optimizing Illumination And Reconstruction In Patterned Illumination Microscopy.pdf)	senatszaal
12:00	Nico Stuurman San Francisco, USA (https://www.usfca.edu)	Scanning Angle Interference Microscopy: Open Tools For Analysis And Data Acquisition (http://qiftp.tudelft.nl/media/QBI/abstracts/Scanning Angle Interference Microscopy - Open Tools For Analysis And Data)	senatszaal

Acquisition.pdf)

12:20	Martijn Haring Delft, Netherlands (http://www.imphys.tudelft.nl)	Electron-beam Induced Optical Superresolution In Correlative Light-electron Microscopy (http://qiftp.tudelft.nl/media/QBI/abstracts/Electron-beam Induced Optical Superresolution In Correlative Light-electron Microscopy.pdf)	senaatszaal
12:40		Lunch	foyer
Tracking & detection			
14:00	Maxime Dahan (<i>invited</i>) Paris, France (http://umr168.curie.fr/en/profile/maxime-dahan-003171)	Probing Membrane Dynamics With High Density Single Molecule Imaging And Optogenetics	auditorium
14:30	Johan Elf (<i>invited</i>) Uppsala, Sweden (http://elflab.icm.uu.se/)	Live Cell Imaging For Bacterial Physiology	auditorium
15:00	Carlas Smith Worcester, USA (http://www.worcester.edu)	Probability-based Particel Detection That Enables Threshold-free And Robust In Vivo Single Molecule Tracking (http://qiftp.tudelft.nl/media/QBI/abstracts/Probability-based Particel Detection That Enables Threshold-free And Robust In Vivo Single Molecule Tracking.pdf)	auditorium
15:20	Martin Linden Uppsala, Sweden (http://elflab.icm.uu.se/)	Simulated Single Molecule Microscopy With Smeagol - Avoiding Inverse Crimes In Live Cell Superresolution Microscopy (http://qiftp.tudelft.nl/media/QBI/abstracts/Simulated Single Molecule Microscopy With Smeagol - Avoiding Inverse Crimes In Live Cell Superresolution Microscopy.pdf)	auditorium
15:40	Stefano Coppola Leiden, Netherlands (http://www.leiden.edu)	Model-free Analysis Of Step-size Distributions To Detect And Quantify Stochastic Processes In Live Cells (http://qiftp.tudelft.nl/media/QBI/abstracts/Model-free Analysis Of Step-size Distributions To Detect And Quantify Stochastic Processes In Live Cells.pdf)	auditorium
16:00		Closing	auditorium