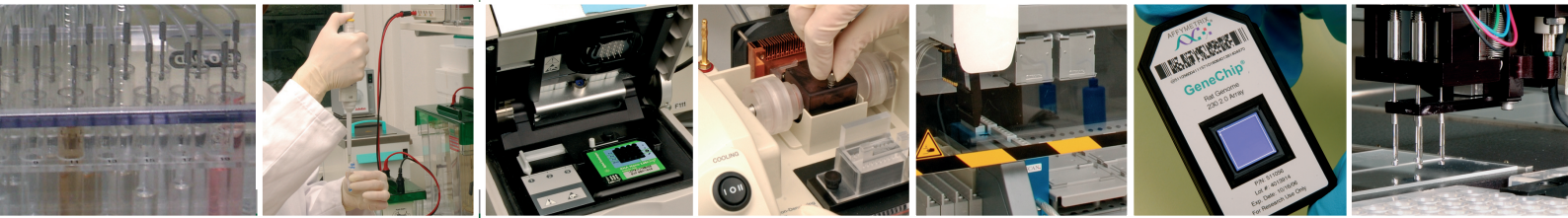




MÜNSTER **ZKF**

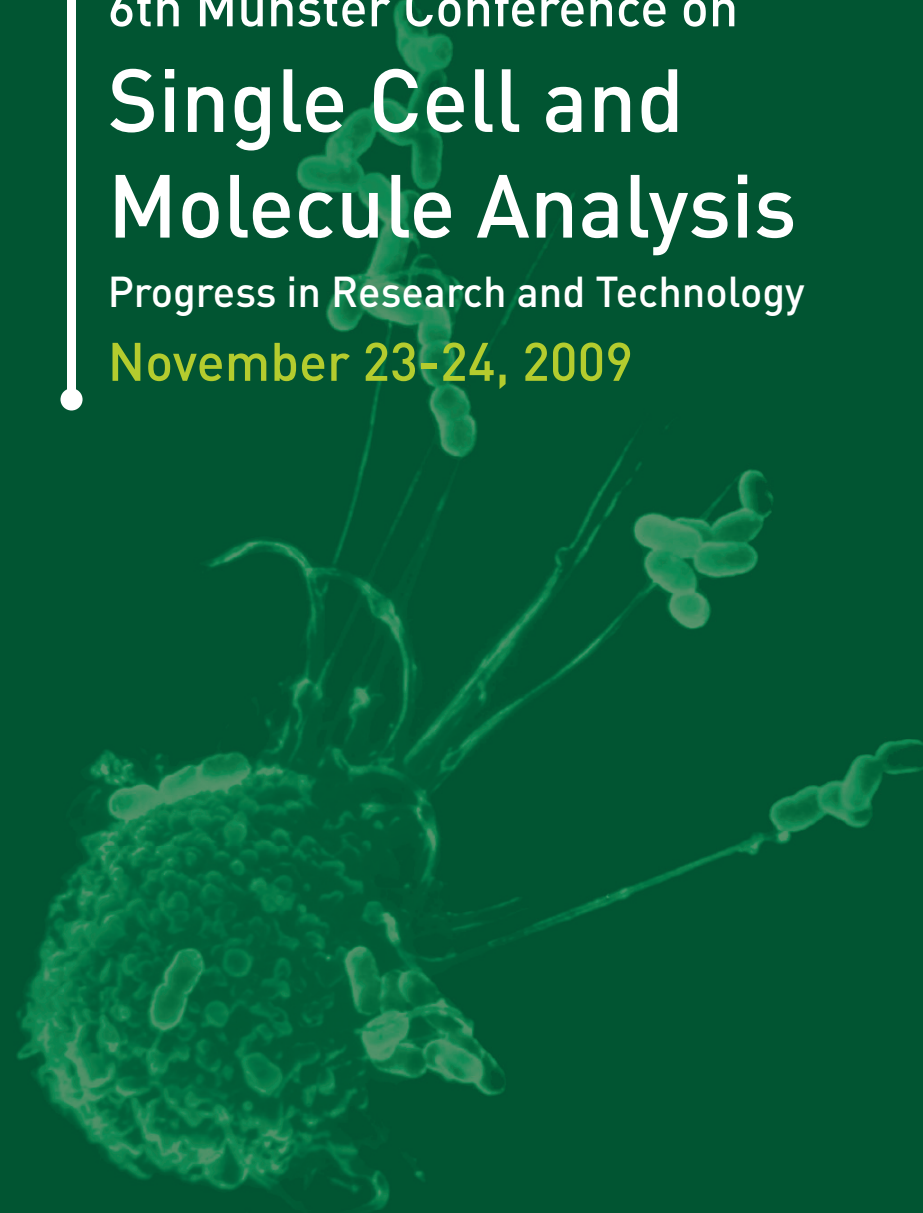
SINGLE CELL 2009



6th Münster Conference on Single Cell and Molecule Analysis

Progress in Research and Technology

November 23-24, 2009



Under the Auspices

of the Interdisciplinary Center for Clinical Research (IZKF)
„The Chronic Disease“ of the Medical Faculty of the University of Münster

Technology Platform and Core Unit
„Integrated Functional Genomics“ (IFG)

Organizing Committee

Prof. Dr. Simone König (IFG Proteomics Facility)
Dr. Rita Naskar (IZKF Scientific Office)

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Conference Venue

Max-Planck-Institute
for Molecular Biomedicine
Röntgenstraße 20
48149 Münster

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Program

Monday, November 23

- 12:30 pm **Frank Ulrich Müller**
Opening and Introduction
- CHAIR:** **Frank Ulrich Müller**
- 12:40 pm **Steven S. Vogel**
Keynote Lecture
FRET Imaging of Biological Memory: Structural rearrangement of CaMKII α catalytic domain encodes activation
- 1:30 pm **COFFEE BREAK & POSTER PRESENTATION**
Marion Willenborg, Patent Manager
Clinic Invent, Faculty of Medicine, WWU Münster
- COMPANY PRESENTATIONS**
- 1:45 pm **Applied Biosystems** - Michael Raissig
Profiling the parental contribution to the early embryonic transcriptome in Arabidopsis
- 2:15 pm **NuGEN** - Wieland Keilholtz
Frontiers in Expression Analysis: NuGEN's ovation RNA Amp at single cell level
- 2:45 pm **GelCompany** - Reiner Westermeier
Flatop horizontal electrophoresis
- 3:15 pm **JPK Instruments** - Tanja Neumann
Analysis of cellular and molecular interactions using Atomic Force Microscopy
- SESSION I CELLS**
- CHAIR:** **Simone König**
- 4:00 pm **Alexander Egner**
Developments in fluorescence nanoscopy
- 4:25 pm **Laurent Prézeau**
Cell surface G protein-coupled receptor oligomerization detected using HTRF and Snaptag labeling method
- 4:50 pm **Didier Marguet**
Critical role of a dynamic nanodomain organization at the plasma membrane for efficient cell signaling
- 5:15 pm **Stephan Köhnemann**
Popular Science Lecture
CSI Münster
- 6:30 pm **GET-TOGETHER & GUIDED TOUR OF PABLO PICASSO MUSEUM**

Tuesday, November 24

SESSION II APPLICATIONS

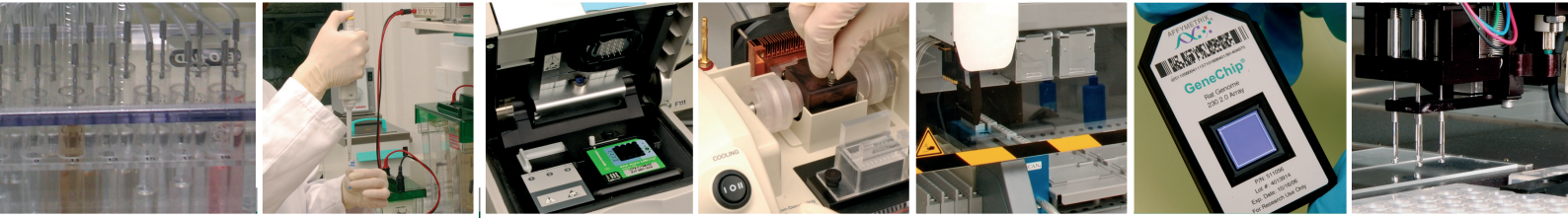
CHAIR: Steven Vogel

- 9:00 am **Kerstin Lühn**
Multiparameter and Imaging Flow Cytometry: Insights into immunology and Dengue pathogenesis
- 9:25 am **Michael Meisterernst**
Dynamics of protein-DNA complexes analyzed at the single molecule level
- 9:50 am **Anders Alderborn**
New molecular tools for specific analysis of nucleic acid and protein biomarkers in single cells
- 10:15 am **Gerhard Schütz**
Chips, Cells and single molecules: Towards a functional understanding of the nanoscopic organization of the cellular plasma membrane
- 10:40 am **COFFEE BREAK**
- 11:00 am **Waters Corp. - Leonhard Pollack**

SESSION III TECHNOLOGY

CHAIR: Gerhard Schütz

- 11:45 am **Ulrike Korf**
Protein microarrays as quantitative tool for the analysis of signal transduction networks
- 12:10 am **Thomas Felgenhauer**
Synthesis of high complexity peptide arrays for proteome research
- 12:35 pm **Nicole Schneiderhan-Marra**
Miniaturized and parallelized immunoassays for biomarker screening
- 1:00 pm **Rudolf Merkel**
Quantitative analysis of cell reorientation upon stretch
- 1:30 pm **END OF CONFERENCE**



Medizinische Fakultät
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