Conference venue
Main Lecture Hall of the Centers for Biochemistry and Physiology
Medical Faculty, University of Cologne
Joseph-Stelzmann-Str. 52, Building 44b, D-50931 Cologne

More information
www.matrixbiologie.de

Contact
DGMB2017@matrixbiologie.de

Local organizing committee
Bent Brachvogel, Beate Ecker, Julia Etich, Ursula Hartmann,
Manuel Koch, Anja Niehoff, Mats Paulsson, Gerhard Sengle,
Raimund Wagener, Frank Zaucke, Paola Zigrino

Sponsors

Platin sponsor (3500€)

Gold sponsors (700-1000€)

Silver sponsors (200-600€)

Invited speakers
Clair Baldock (Manchester), Jijie Chai (Beijing),
Martin Denzel (Cologne), Boris Hinz (Toronto),
Lena Kjellén (Uppsala), Vivek Malhotra (Barcelona),
Catherine Moali (Lyon), Gertraud Orend (Strasbourg),
Oliver Semler (Cologne), Volker Straub (Newcastle),
Viola Vogel (Zürich)

Annual Meeting of the
German Society for Matrix Biology

Frontiers in Matrix Biology
March, 9-11th, 2017
Cologne, Germany

Deutsche Gesellschaft
die Matrix
Biologie

Platin sponsor (3500€)

Gold sponsors (700-1000€)

Silver sponsors (200-600€)
Thursday  
March 9th 2017

12:00 Registration
13:50 - 14:00 Welcome address
14:00 - 15:50 **Session I**
  Chairs: Mats Paulsson, Herimela Solomon Degefa
  - 14:00 - 14:35 Clair Baldock, Manchester, UK
    "Structural studies of extracellular regulators of growth factor signalling"
  - 14:35 - 15:00 Uwe Hansen, Münster, Germany
    "Formation of lamellae in the corneal stroma: New insights by syndecan-4 deficient mice and hTNFα mice and their impact for keratoconus"
  - 15:00 - 15:35 Jjie Chai, Beijing, China
    "Structural insight into assembly of the NAIP-NLRC4"  
  - 15:35 - 15:50 Tzung-Harn Hsieh, Frankfurt, Germany
    "Biglycan- and sphingosine kinase1 crosstalk regulates the synthesis of macrophage chemoattractants"
  
15:50 - 18:15 **Guided poster session I and coffee break**
18:15 - 19:20 **Key Note Lecture**
  Chair: Thomas Krieg
  Vivek Malhotra, Barcelona, Spain
  "Receptors for collagen secretion"

19:15 Get together

Friday  
March 10th 2017

9:00 - 10:50 **Session II**
  Chairs: Susanne Grässel, Dominique Muschter
  - 9:00 - 9:35 Volker Straub, Newcastle, UK
    "One thousand and one patients with muscle weakness"
  - 9:35 - 9:55 Tatjana Holzer, Cologne, Germany
    "Mitochondrial dysfunction impairs juvenile growth plate integrity and induces growth plate closure"
  - 9:55 - 10:00 Oliver Semler, Cologne, Germany
    "Osteogenesis imperfecta - from genes to therapy"
  - 10:00 - 10:30 Tanja Niedermair, Regensburg, Germany
    "Assembly of the sensory neuropetide Substance P alters osteoblast and osteoclast metabolism"
  - 10:30 - 10:50 Guided poster session II and coffee break

12:30 - 13:30 Lunch

13:30 - 15:35 **Session III**
  Chairs: Leena Bruckner-Tuderman, Alexander Nyström
  - 13:30 - 14:05 Viola Vogel, Zürich, Switzerland
    "Mechanobiology of extracellular matrix"
  - 14:05 - 14:25 Maria Bethania Piva, Bonn, Germany
    "Impact of integrins and syndecan-4 in chemoresistance of melanoma"
  - 14:25 - 14:50 Gertraud Orend, Strasbourg, France
    "Tenascin-C exerts a Janus activity in tumor angiogenesis"
  - 14:50 - 15:20 Stephan Niland, Münster, Germany
    "Vasculogenic mimicry provides an opportunity to selectively break the tumor vessel wall barrier in vivo with rhodocetin-αβ4"
  - 15:00 - 15:45 Vinko Misetic, NanoTemper Technologies
    "Analyzing molecular interactions using MicroScale Thermophoresis"
  - 15:30 - 16:30 Guided poster session III and coffee break

17:15 - 18:20 **Young Investigator Award Session**
  Chairs: Lilian Schaefer, Julia Etch
  Presentations of the three nominees:
  - Eva Brauchle, Raphael Reuten, Zhiqi Sun

18:20 - 19:20 Business meeting of the DGMB
19:30 Dinner

Saturday  
March 11th 2017

9:00 - 10:50 **Session IV**
  Chairs: Kay Grobe, Anna-Lisa Luik
  - 9:00 - 9:35 Lena Kjellén, Uppsala, Sweden
    "Heparan sulfate biosynthesis: How sulfotransferases regulate polymerization and polymerases determine sulfation"
  - 9:35 - 9:55 Colin Y. Ewald, Zürich, Switzerland
    "Prolonged extracellular matrix homeostasis is essential for healthy aging"
  - 9:55 - 10:00 Martin Denzel, Cologne, Germany
    "The hexosamine pathway modulates extracellular matrix composition and epidermal stem cell dynamics"
  - 10:00 - 10:30 Julian Nüchel, Cologne, Germany
    "Fibroblast secretion of TGFβ1 is executed by secretory autophagy"
  - 10:30 - 11:00 Guided poster session IV and coffee break

11:15 - 13:05 **Session V**
  Chairs: Attila Aszodi, Paolo Alberton
  - 11:15 - 11:50 Catherine Moali, Lyon, France
    "BMP-1 acts as an essential proteolytic hub in ECM synthesis"
  - 11:50 - 12:10 Maria Benito-Jardón, Valencia, Spain
    "The FN synergy site re-enforces cell adhesion and mediates a crosstalk between integrin classes"
  - 12:10 - 12:45 Boris Hinz, Toronto, Canada
    "The fibrotic matrix: a stressful but memorable environment"
  - 12:45 - 13:05 Rocco Bernasconi, Freiburg, Germany
    "Investigation of DEB fibrosis reveals a new anti-fibrotic mode of action of the renin-angiotensin system"
  - 13:05 - 13:30 Closing remarks
  - 13:30 - 14:00 Snacks and departure