

The extracellular matrix: from molecule to man

Joint Meeting of the German and British Societies for Matrix Biology

Excellence Cluster Cardio-Pulmonary System

March 18-20, 2010 in Frankfurt / Main, Germany**Organised by:**Liliana Schaefer and Johannes A. Eble,
Deutsche Gesellschaft für Bindegewebforschung

and

John R. Couchman and Graham Riley, British Society for Matrix Biology

General information

Date: March 18 - 20, 2010

Conference Venue: University Hospital, Bldg 22 (Hörsaalzentrum),
Theodor-Stern-Kai 7
60590 Frankfurt / Main, Germany

Conference language: English

Important deadlines: Abstract submission: February 12, 2010

Early registration: February 12, 2010

Contact: Liliana Schaefer, E-mail: Schaefer@med.uni-frankfurt.de, Phone: 0049-69-6301 7899, Fax: 0049-69-6301 83027

Accommodation:

Room contingents have been reserved for the participants at the following hotels. All reserved rooms are non-smoking. Hotel reservations have to be made by March 4, 2010 with exception of the Hotel Niederrad, where booking has to be made before February 25, 2010 to be eligible for the special congress rate. For your travel arrangements, contact the hotels directly using the respective reference codes.

Hotel Intercontinental Frankfurt – Reference Code: *DGBF-meeting*

Wilhelm-Leuschner-Str. 43

60590 Frankfurt/Main

Phone: 0049-69-26052516

Fax: 0049-69-26052403

First class hotel, excellent value for money

5 minutes walk to the central railway station, from there 3 stops with tram # 19, 21 or 12 to the main entrance of University Hospital

25 Rooms

Rate for Standard room including Buffet Breakfast € 159,--/single

Rate for Standard room including Buffet Breakfast € 179,--/double

Rate for Superior room including Buffet Breakfast € 179,--/single

Rate for Superior room including Buffet Breakfast € 199,--/double

Novotel Frankfurt Niederrad – Reference Code: *DGBF-meeting*

Hahnstr. 9

60528 Frankfurt/Main

Phone: 0049-69-663060

Fax: 0049-69-66306-600

Email: H5382@arcor.com

Upper middleclass hotel with free use of the Wellness Area including sauna, steam bath and swimming pool; 5-10 minutes walk to tram stop, take tram # 12 or 15, approximately 4 stops to the main entrance of University Hospital

25 Rooms

Rate for Standard room including Buffet Breakfast € 100,--/single

Rate for Standard room including Buffet Breakfast € 144,--/double

Rate for Superior room including Buffet Breakfast € 120,--/single

Rate for Superior room including Buffet Breakfast € 164,--/double

Parking Fee € 11 / 24 hours

Ibis Hotel – Reference Code: *Booking 333605*

Speicherstr. 4

60327 Frankfurt/Main

Phone: 0049-69-273030

Fax: 0049-69-237024

Middle class hotel offering good comfort

Within walking distance (10 minutes) to the main entrance of the University Hospital, just cross the bridge and turn right along the river Main, University Hospital to your left or take tram # 12 or 21 (two stops)

40 Rooms

Rate including Breakfast € 89,-- Single Room

Rate including Breakfast € 99,-- Double Room

Hotel Niederrad – Reference Code: DGBF-meeting

Bruchfeldstr. 72

60528 Frankfurt/Main

Phone: 0049-69-672262

Fax: 0049-69-679916

Email: reservierung@hotel-niederrad.de

Simple budget hotel, centrally located, clean and comfortable, best suited for Students

Take tram # 15, approximately three stops to the main entrance of the University Hospital

4 Single Rooms

Rate including breakfast € 66,--

10 Double Rooms

Rate including breakfast € 77,--

Conference Dinner Location

Friday, March 19th, 2010 8pm

Literaturhaus Frankfurt

Schöne Aussicht 2

60311 Frankfurt

***Public transport to dinner***

stop „Hospital zum Heiligen Geist“ Tram 14 (2 min by foot)

stop „Konstablerwache“ U4,U5,U6,U7, S1-8, Tram 12 (8 min by foot)

Scientific Program

Thursday, March 18th, 2010

11:00 – 15:30 *Meeting des Netzwerks Epidermolysis bullosa* (Sprecherin: Leena Bruckner-Tuderman)

Joint Meeting of the British and German Societies for Matrix Biology Excellence Cluster Cardio-Pulmonary System

14:00 – 16:00 *Registration*

16:00 – 16:20 *Welcome and Opening by*

Liliana Schaefer and John Couchman for the Organizers

Manfred Schubert-Zsilavecz, Vice-President of the Goethe

University

Josef Pfeilschifter, Dean of the Medical Faculty

16:20 – 17:40 **Session I – New functions of ECM proteins**
Chair: Liliana Schaefer

16:20 – 17:10 *Keynote lecture*

Renato Iozzo, Philadelphia

Decorin has Met a new receptor

17:10 – 17:25 R. Merline, Frankfurt

Decorin deficiency in diabetic mice: aggravation of diabetic nephropathy

17:25 – 17:40 P. Agarwal, Cologne

Localization of cartilage oligomeric matrix protein (COMP) in fibrotic skin

17:40 – 18:10 *Coffee Break*

18:10 - 19:00 Session II – New ways in treating cardiovascular disorders
Chair: Johannes Eble

18:10 – 18:45 *Invited Lecture*

Andreas Zeiher, Excellence Cluster Cardio-Pulmonary Systems,
 Frankfurt

Cell therapy of cardiovascular diseases: determinants of clinical success

18:45 – 19:00 L. Bengestrate, Cologne

Identification of microRNAs promoting endothelial-perivascular cell interactions

19:00 – 19:30 Board Meeting German Society for Matrix Biology

19:00 – 21:00 Welcome Reception and Poster Session

Friday, March 19th, 2010

09:00 – 10:40 Session III – British Society of Matrix Biology session
Chair: Graham Riley

09:00 – 09:35 John Couchman, Copenhagen

Linking syndecans to the cytoskeleton

09:35 – 09:55 Ian Clark, Norwich

microRNAs in chondrogenesis and osteoarthritis

09:55 – 10:15 Gavin Jones, Norwich

Functions of MMP-23: a novel matrix metalloproteinase upregulated in tendon pathology and osteoarthritis

10:15 – 10:40 David Young, Newcastle

Epigenetic regulation of chondrocyte gene expression

10:40 – 11:20 Coffee Break and Poster Viewing

- 11:20 – 12:40** **Session IV – Proteoglycans and other ECM molecules in inflammation and cell adhesion**
Chair: Mats Paulsson
- 11:20 – 11:55 *Invited Lecture*
Pyong Park, Boston
Proteoglycan-Pathogen Interactions in Bacterial Pneumonia
- 11:55 – 12:10 S. Gopal, Copenhagen
Heparan sulphate chain requirements for syndecan-4 function in cell adhesion
- 12:10 – 12:25 K. Moreth, Frankfurt
Biglycan-mediated IL-1 β regulation in “sterile” and pathogen-driven inflammation
- 12:25 – 12:40 P.O. Kaiser, Frankfurt
TAA-dependent adhesion of pathogenic bacteria to proteins under static and dynamic conditions
- 12:40 – 14:30** *Lunch Break and Poster Session*
- 14:30 – 15:50** **Session V – ECM in disease**
Chair: Lydia Sorokin
- 14:30 – 15:05 *Invited Lecture*
Andreas Günther, Giessen
Chronic epithelial injury by lysosomal and ER stress as underlying principle in lung fibrosis
- 15:05 – 15:20 K. Piskulak, Giessen
Regulation and role of Notch signaling in epithelial progenitor cell differentiation and proliferation in the normal and the fibrotic lung
- 14:20 – 15:35 B.G.J. Dekkers, Groningen
Endogenous activation of RGD-binding integrins enhances airway smooth muscle remodeling in chronic asthma
- 15:35 – 15:50 H. Midani, Cologne
Testicans: linking extracellular matrix and energy metabolism

- 15:50 – 16:30** *Coffee Break and Poster Viewing*
- 16:30 – 17:45** **Session VI – Clinical approaches in matrix research**
Chair: Jens Fischer
- 16:30 – 16:45 D. Velati, Freiburg
Conditional ColVII inactivation allows analysis of anchoring fibril stability in-vivo and in-vitro
- 16:45 – 17:00 M. Goppelt-Struebe, Erlangen
Migration of human tubular epithelial cells on different extracellular matrices
- 17:00 – 17:15 G. Klein, Tübingen
Cathepsin X is secreted by human osteoblasts, digests CXCL-12 and impairs hematopoietic stem and progenitor cell adhesion to osteoblasts
- 17:15 – 17:30 S. Grässel, Regensburg
Neurotransmitters and neuropeptides from the sympathetic and sensory nervous system are involved in the control of chondrocyte proliferation and apoptosis
- 17:30-17:45 H. Joos, Ulm
Influence of IL-1 β on the expression of genes associated with terminal chondrocyte differentiation
- 17:45 – 18:30** *Business Meeting of the German Society for Matrix Biology*
- 20:00** *Conference dinner and awarding of poster prizes*

Saturday, March 20th, 2010

- 9:00 – 10:20** **Session VII – Animal models in matrix research**
Chair: Beate Eckes
- 09:00 – 09:35 *Invited Lecture*
- Roswitha Nischt, Köln
- Role of nidogens and their interaction partner laminin for basement membrane formation and function in skin*

- 09:35 – 09:50 J. Wegner, Münster
Characterisation of a skin specific laminin α 5 conditional knock out mouse
- 09:50 – 10:05 R. Dinser, Bad Nauheim
Endogenous joint repair after severe damage in the red spotted newt
- 10:05 – 10:20 K. von der Mark, Erlangen
Sox9 is a major negative regulator of cartilage vascularization, bone marrow formation, and endochondral ossification
- 10:20 – 11:00** *Coffee break*
- 11:00 – 12:20** **Session VIII – Matrix, Tissue engineering and beyond**
Chair: Peter Bruckner
- 11:00 – 11:35 *Invited Lecture*

Eric Gottwald, Karlsruhe

The famous vs. the inconvenient - or why use 3D cell culture systems?
- 11:35 – 11:50 A.K. Becker, Cologne
Structure and function of matrilin VWA domains
- 11:50 – 12:05 T. Bracht, Frankfurt
Investigating the pharmacological properties of rhodocetin using monoclonal antibodies
- 12:05 – 12:20 H.-C. Siebert, Giessen
New structural aspects of laminin and integrin ligand interactions
- 12:20** *Closing remarks:* Johannes Eble
- 12:30** *Refreshments and Snacks*