

DGBM



9th–11th October 2025

Annual Conference of the German Society for Biomaterials (DGBM)

CRTD, Center for Regenerative Therapies Dresden

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Organisation and imprint

Venue

**Centre for Regenerative Therapies of
TU Dresden**
Fetscherstraße 105 · 01307 Dresden

Conference website

www.dgbm-kongress.de

Conference Chairman

Prof. Dr. Michael Gelinsky

Congress organizer

GWT-TUD GmbH
Freiberger Straße 33 · 01067 Dresden
www.g-wt.de

Layout

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Dear colleagues and participants of the Annual Conference of the German Society for Biomaterials,

I warmly welcome you to Dresden! It was not easy to organise this conference in just seven months, but we hope that we have nevertheless succeeded in putting together an exciting and varied programme. I would like to express my special thanks to everyone who submitted abstracts – and to the sponsors and exhibitors who agreed to support the event despite the short notice.

I would also like to thank the entire team that took care of the organisation: Ms. Schuster from GWT, my assistant Ms. Heide and many of my colleagues at the centre. Without the latter, who also provide technical support in the lecture halls, we would not have been able to hold the conference at all.

As presentation times at major conferences have become shorter and shorter in recent years, approaching those at medical conferences, we have decided to allow more time again. Otherwise, only a “best of” is presented, which is not conducive to genuine scientific exchange. We have also allocated a lot of time to the posters, and I hope that this will be used for intensive discussions and personal exchange.

A lot has changed in the city since the last DGBM conference in Dresden in 2014. Many new buildings have been constructed and others have been renovated. The extensive reconstruction of the royal palace is slowly coming to an end – and you can now enjoy a particularly beautiful view of Brühl's Terrace on the Elbe since the Carola Bridge collapsed and has since been completely demolished...

The whole team wishes you a pleasant and stimulating time in Dresden!

Best wishes,
Michael Gelinsky



Programme overview

Wednesday and Thursday

Wednesday, 8. October 2025

13:00 – 14:00
Young Scientist Forum (YSF): Lab tour
(Centre for Translational Bone,
Joint and Soft Tissue Research)

14:00 – 14:15 – Break

14:15 – 15:45

YSF: Presentations

15:45 – 16:00 – Break

16:00 – 16:45
Keynote presentation (YSF)
Tilman von Strauwitz

16:45 – 17:00 – Break

17:00 – 18:00
**YSF: Presentations and
Panel discussion**

18:30 – YSF: Evening event

Thursday, 9. October 2025

8:30 – 9:30
Registration

9:30 – 10:00 – Opening

10:00 – 11:00
Plenary Lecture
Jos Malda, Utrecht, NL

11:00 – 11:15 – Break

11:15 – 12:30

Session 1 A Biofabrication	Session 1 B Drug delivery
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12:30 – 13:30
Lunch Break

13:30 – 15:00

Session 2 A Organoids and cancer models	Session 2 B Bioglass
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15:00 – 15:30 – Break

15:30 – 16:45

Session 3 A In vitro models	Session 3 B Implant coating and surface modification
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16:45 – 17:00 – Break

17:00 – 18:30
Session 4
Hydrogels 1

18:30 – 21:00
Get together and Poster

Programme

Friday and Saturday

Friday, 10. October 2025

8:30 – 9:00 – Registration

9:00 – 10:00

Plenary Lecture

Cecilia Persson, Uppsala, SE

10:00 – 10:15 – Break

10:15 – 11:30

Session 5 A

Hydrogels 2

Session 5 B

Polymers

11:30 – 12:30

Poster and coffee

12:30 – 13:30

Lunch break

13:30 – 15:00

Session 6 A

Fibres 1 and
biomedical
textiles

Session 6 B

Characterisation of per-
manent and bioresorbable
implants based on in vivo,
in vito and in silico methods

15:00 – 15:15 – Break

15:15 – 16:30

Session 7

Fibres 2

16:30 – 17:00 – Break

17:00 – 18:30

DGBM Member Assembly

with elections of the board

19:00 – Conference dinner

Saturday, 11. October 2025

8:45 – 9:00 – Registration

9:00 – 10:00

Plenary Lecture

Joao F. Mano, Aveiro, PT

10:00 – 10:15 – Break

10:15 – 11:45

Session 8 A

Antibacterial strategies

Session 8 B

Bioprinting 1

11:45 – 12:00 – Break

12:00 – 13:00

Session 9 A

Antibacterial and antiin-
flammatory strategies

Session 9 B

Bioprinting 2

13:00 – 13:30 – Closing ceremony

Plenary Speakers



Prof. Dr. Jos Malda

Utrecht Medical Centre,
The Netherlands

Jos Malda is Professor of Translational Regenerative Medicine and Head of Research at the Department of Orthopaedics, University Medical Center Utrecht and Professor of Translational Regenerative Medicine at the Department of Equine Sciences, Utrecht University, The Netherlands. He also leads the Utrecht Biofabrication Facility. Title of his plenary lecture is “Biomaterials-approaches for functional tissue restoration”



Prof. Dr. Cecilia Persson

Uppsala University,
Sweden

Cecilia Persson is Professor at the Division of Biomedical Engineering at the Dept. of Materials Science and Engineering at Uppsala University, Sweden. She is Director of the AM4Life Competence Centre in Additive Manufacturing for the Life Sciences and Scientific Director of the WISE Additive National Research Technology Platform. Title of her plenary lecture is “Advancing biodegradable metals: Additive manufacturing of magnesium-based alloys”



Prof. Dr. João F. Mano

University of Aveiro,
Portugal

João F. Mano is Professor at the Chemistry Department at the University of Aveiro, and Vice-Director of the Associate Laboratory CICECO – Aveiro Institute of Materials, Portugal. Title of his plenary lecture is “Cells’ biomaterialization”

YSF Pre-Programme

Wednesday, 8. October

Centre for Translational Bone – Joint and Soft Tissue Research

Blasewitzer Str. 43 (4th floor – “Muskuloskelettaler Forschungsbereich”)

13:00 **Lab visit**

14:00 **Break**

Medizinisch-Theoretisches Zentrum (MTZ)

Blasewitzer Str. 87, Seminar rooms 6 and 7

14:15 **YSF-Session with scientific presentations**

15:45 **Break**

16:00 **Keynote presentation:**
Bridging the translation barrier – towards tec-inspired innovation
Tilman von Strauwitz

16:45 **Break**

17:00 **Panel Discussion on career development**
Petra Kluger and Tilman von Strauwitz

Brauhaus am Waldschlösschen

Am Brauhaus 8b, 01099 Dresden (registration required)

18:30 **YSF Get together**

Scientific programme

Thursday, 9. October

Plenary lecture 1

Session chair: Petra Kluger

10:00 **Biomaterials-approaches for functional tissue restoration**

Jos Malda

University Medical Centre Utrecht, Netherlands

11:00 **Break**

Session 1 A – Biofabrication

Session chairs: Horst Fischer and Svenja Nellinger

S1A_1

11:15

Production, characterization and biofunctionalization of electrospun fibers for 3D bioprinting of in-vitro test systems

J. Schütz, J. Stadler, A. Neuhäusler, B. Sundag, G. Cosar Kutluoglu, M. Weber, R. Daum, M. Schmolz, A. Blaeser, H. Hartmann

NMI/University of Tübingen, Reutlingen

S1A_2

11:30

Controlled phase separation allows inkjet printing of GelMA-dextran hydrogels with large interconnected pores

R. Salazar Ortiz, E. Stefanopolou, W. Richtering, H. Fischer

RWTH Aachen University Hospital

S1A_3

11:45

Ex vivo differentiation of bone marrow-derived mesenchymal stromal cells after robotic-arm-assisted bioprinting for in vivo corneal bioprinting applications

A. Taoum, O. Thaden, J. Oster, C. Wood, Y. Jian, F. Dehli, M. Fuest, D. Duarte Campos

Heidelberg University

S1A_4

12:00

Drop-on-demand printing of glioblastoma cells in photo-crosslinking alginate/gelatin bioinks

R. Detsch, D. Wist, V. Mößler, R. Strick, A. R. Boccaccini

University Erlangen-Nuremberg

S1A_5

12:15

Hierarchically Structured Scaffolds via Xolography for Advanced Tissue Modelling

E. Brauer, N.F. König, T. Zachow, J. Reinhardt, R. Behncke,
R. Hägerling, A. Petersen
Humboldt University Berlin

Session 1 B – Drug Delivery

Session chairs: Michaela Schulz-Siegmund and Ina Prade

S1B_1

11:15

Hydrogel Heroes: Revolutionizing HER-2 Antibody Delivery for Breast Cancer Treatment

S. Salim, C. Guarnaccia, N. Skoko
The British University in Egypt, Cairo

S1B_2

11:30

Functionalization and Stability of Tetraether Lipid-based Archaeosomes: Promising Delivery Platform for Oral mRNA Therapeutics

M. Smoljo, L. Gatzemeier, A. Wetzel, G. Waßmuth, J. Leisel, O. Scheufler,
T. Pöhlmann, K. Gall, D. Fischer, G. Hildebrand, K. Liefeth
IBA Heilbad Heiligenstadt

S1B_3

11:45

A Deployable 4D Printed, Mucoadhesive and Magnetically Guided Patch for Local Therapy of Gastric Cancer

D. B. Mahmoud, M. Börner, C. Wölk, M. Schulz-Siegmund
Leipzig University

S1B_4

12:00

Ultrasmall gold nanoparticles for biomedical applications

K. Kostka, M. Epple
University Duisburg-Essen

S1B_5

12:15

Influence of bisphosphonates on the setting reaction of a brushite forming calcium phosphate cement

K. Hurle, K. Späth, J. Konrad, U. Gbureck
University Erlangen-Nuremberg

12:30

Lunch break

Session 2 A – Organoids and cancer models

Session chairs: Rainer Detsch and Anne Bernhardt

S2A_K

13:30

Patient-derived organoids as advanced models for tumor biology and therapy prediction

T. Schmäche

Dresden University Hospital

S2A_1

14:00

Cell-instructive synthetic matrices to program cancer organoid models

A. Nadernezhad, D. E. Stange, C. Werner, D. Loessner

Leibniz IPF Dresden

S2A_2

14:15

Engineering a 3D Tumor-on-a-Chip to Investigate Cancer Invasion and Therapy

X. Peng, N. Galensowske, D. I. Sandoval Bojorquez,

D. Nieder, Ž. Janičijević, S. Hauser, L. Baraban

Helmholtz Centre Dresden-Rossendorf

S2A_3

14:30

Mass production of uniform embryoid bodies using acoustic standing waves

M. Ritter, J. Hahn, E. Aksoy, K. Pfannkuche, H. Fischer

RWTH Aachen University Hospital

S2A_4

14:45

Aspiration-assisted spheroid Placement using TPS-printed Kenzan-structures

J. Fischer, J. Gerhardus, J. Vetter, A. Fritschen, A. Blaeser

TU Darmstadt

Session 2 B – Bioglass

Session chairs: Aldo Boccaccini and Richard Richter

S2B_1

13:30

Advanced Biomimetic Implants: Bioactive Glass Fibre-Reinforced Polylactic Acid for Enhanced Bone Regeneration

H. F. Pötzsch, Rashed Al Mizan, T. Gereke, Ch. Cherif, D. Aibibu

TU Dresden

S2B_2

13:45

From windows to bone healing: exploring the structure, viscosity and bioactivity of soda-lime silicate glasses

Z. Jin, D. R. Neuville, C. Chartier, S. Kroeker, S. Gin, J. Du, D. S. Brauer

University Jena

S2B_3

14:00

Comparison of PEEK/45S5-BG composite coatings on the expression of angiogenic growth factors of mesenchymal stromal cells in vitro and vascularisation in ovo

T. Ahrens, S. Wilkesmann, Z. Hadzhieva, E. Kunisch,
A. Boccaccini, T. Renkawitz, F. Westhauser
Heidelberg University Hospital

S2B_4

14:15

Bioactive glass nanoparticles in gelatin/hyaluronan hybrid hydrogels promote cellular crosstalk in an osteoblast/osteoclast co-culture model

P.S. Lee, C. Heinemann, N. Halfter, K. Klee, F. Alt, H.-P. Wiesmann,
K. Zheng, A. R. Boccacini, V. Hintze
TU Dresden

S2B_5

14:30

Analysing dissolution kinetics of bioactive glasses method under highly dilute conditions

C. Chartier, S. Gin, D. S. Brauer
University Jena

S2B_6

14:45

Local application of antibiotics using bioactive glasses

R. F. Richter, A. Lode, C. Vater
TU Dresden

15:00

Coffee break

Session 3 A – In vitro models

Session chairs: Jochen Salber and Kirsten Peters

S3A_1

15:30

Development of a 3D in vitro model to study the role of the malignant bone marrow microenvironment in acute myeloid leukemia

L. Roolfs, A. Raic, N. Schadzek, P. Schertl, M. Ringhoffer,
M. Heuser, F.R. Thol, V. Felde, J. Hammel, C. von Kaisenberg,
F. Schaarschmidt, C. Lee-Thedieck
University Hannover

S3A_2

15:45

Understanding the formation of pancreatic cancer metastasis

M. S. Abdul Halim, D. Pette, C. Werner, A. Nadernezhad, D. Loessner
Leibniz IPF Dresden

S3A_3

16:00

3D Liver–Bone Co-culture Model to Study MASLD-Induced Dysregulation of Vitamin D Metabolism and Bone

M. M. Hammour, G. Chen, Y. Xin, X. Wang, A. K. Nüssler, R. H. Aspera-Werz
University Tübingen

S3A_4

16:15

Molybdenum as a potential bone replacement material: Impact on a quadruple culture with human osteoblasts, osteocytes, osteoclasts and endothelial cells

K. Wirsig, A. Bernhardt
TU Dresden

S3A_5

16:30

KIAase Integration – An in vitro platform for testing implant surface topographies

A. Sieberath, D. Gruhn, A. Wille, M. Schueler, A. Schnitzbauer, J. Salber
University Hospital Bochum

Session 3 B – Implant coating and surface modification

Session chairs: Doris Heinrich and Uwe Gbureck

S3B_1

15:30

Implant coatings and bioadhesives for soft tissue integration around percutaneous bone-anchored metallic prostheses

S. Boda
IIT Madras, Chennai, India

S3B_2

15:45

Development of Advanced Antifouling Biomaterials for Blood-Contacting Medical Applications

D. Heinrich
IBA Heilbad Heiligenstadt

S3B_3

16:00

Plasma-Assisted Ultrathin Collagen Coating for Enhanced Bone-Implant Integration

I. Prade, F. Junghans, E. Knappe, C. Seidel, F. Mende, A. Stuhr, T. Schöbe, M. Meyer
FILK Freiberg

S3B_4

16:15

Improving the tribological properties of ceramic joint endoprosthesis by laser structuring and self-assembly coatings

A. Hartmann, J. Börke, C. Witt, D. Thiele, H. Rothe, **M. Liebelt**, Th. Oberbach, G. Hildebrand, K. Liefelth, R. Bader
Mathys Orthopädie GmbH Mörsdorf

S3B_5

16:30

**Immobilization of tagged growth factors
onto implant model surfaces**

L. M. Langner, F. Oostingh, K. Loza, M. Epple, M. Veith
Westphalian University of Applied Sciences Recklinghausen

Session 4 – Hydrogels 1

Session chairs: Cornelia Lee-Thedieck and Vera Hintze

S4_K

17:00

**Bioengineering for Disc Degeneration and Joint Health:
Integrating In Vitro Models and Injectable Hydrogel Therapies**

G. Thrivikraman
IIT Madras, Chennai, India

S4_1

17:30

**Radiolytic Degradation of Silica/Collagen-Xerogels
as a Trigger for Osteoclast**

B. Kruppke, C. Heinemann, G. Lv
IBA Heilbad Heiligenstadt

S4_2

17:45

**Fibrin–Gelatin–reduced Graphene Oxide Hydrogel
Enables Fabrication of a Vascularized and Contractile
Three-Dimensional Engineered Heart Ventricle In Vitro**

C. Kuckelkorn, M. Baiker, E. Aksoy, Y. Jiang, K. Pfannkuche, H. Fischer
RWTH Aachen University Hospital

S4_3

18:00

**Microgels With Electrostatically Controlled Molecular
Affinity to Direct Morphogenesis**

S. Kühn, V. Magno, R. Zimmermann, Y. D. P. Limasale, P. Atallah,
A. Stoppa, M.J. Männel, J. Thiele, U. Freudenberg, C. Werner
Leibniz IPF Dresden

S4_4

18:15

**DNA-encoded viscoelastic matrices for
advanced cell and organoid culture**

E. Krieg
Leibniz IPF Dresden

18:30

Get together and Poster

Friday, 10. October

Plenary lecture 2

Session chair: Aldo Boccaccini

9:00 **Advancing biodegradable metals:
Additive manufacturing of magnesium-based alloys**
Cecilia Persson
Uppsala University, Sweden

10:00 **Break**

Session 5 A – Hydrogels 2

Session chairs: Hanna Hartmann and Greeshma Thrivikraman

S5A_1

10:15 **Bovine Adipose-Derived Extracellular Matrix as a
Biomaterial for Cultivated Meat Development**
S. Nellinger, J. Wahl, S. Heine, P. J. Kluger
University of Stuttgart

S5A_2

10:30 **Decellularized ECM-Based Bioactive Resins for
the Biofabrication of In Vitro Tissue Models**
M. Weinhart, A. Almalla, L. Elomaa, N. Alzain, B. Siegmund
Leibniz University Hannover

S5A_3

10:45 **3R-compliant bioevaluation for assessing functional
amphiphilic macromolecular tissue adhesives to
prevent anastomotic leakage**
J. Salber, D. Gruhn, L. Zittlau, J. Groll, A. Schnitzbauer, B. Brücher, A. Sieberath
University Hospital Bochum

S5A_4

11:00 **Genetically engineered Potato virus X nanoparticles as
display systems for SVVYGLR peptide enable simultaneous
enhancement of osteogenesis and angiogenesis**
N. Stojanovic, J. Schuphan, S. Zschieschang, S. Schillberg, H. Fischer
RWTH Aachen University Hospital

S5A_5

11:15

**Macroencapsulation of Pancreatic Islets:
Optimizing Oxygenation and Engraftment to
Improve Islet Survival and Function**

C. Rosenberger, C. Heller, H. Abdelgawad,
T. M. Basiewicz, S. Lehmann, J. Schmid, U. Schubert, C. Werner,
P. B. Welzel, S. R. Bornstein, B. Ludwig
University Hospital Dresden

Session 5 B – Polymers

Session chairs: Marie Weinhart and Axel T. Neffe

S5B_1

10:15

**Synthesis and In Vitro Biological Evaluation of
Stereocomplexed Poly[(ε-caprolactone)-co-(L-lactide)]/
Poly(D-lactide) Blends**

A. Mandlule, H. Alkhamis, J. Zhang, Y. Zhou, W. Wang, H. Moradian,
F. Toma, K. Polak-Krasna, **A. T. Neffe**
Helmholtz Center Hereon, Teltow and BTU Cottbus-Senftenberg

S5B_2

10:30

**Polycaprolactone composites with enhanced degradation
behavior and pore geometry modulated electric field
distribution for improved osteogenesis**

F. Alt, R. Appali, P. S. Lee, B. Kruppke
TU Dresden

S5B_3

10:45

**Discovering effects of PDSM-polymersomes on
fibrosarcoma cells using hydrogel beads for 3D culturing**

N. Galensowske, X. Peng, A. Schurig, D. Appelhans, L. Baraban
Helmholtz Center Dresden-Rossendorf

S5B_4

11:00

Development of piezoelectric PLA fibers for tissue engineering

L. Bonten, M.-P. Vocht, L. Husch, N. Käppel,
L. Schmohl, C. Ebert, R. Schönlein
German Institutes of Textile and Fiber Research, Denkendorf

S5B_5

11:15

**The physiological inorganic polymer polyphosphate –
a potential game-changer for the cure of chronic
and poor healing wounds**

M. Neufurth, H. Nassabi, H. C. Schröder, X. H. Wang, W. E. G. Müller
University Medical Center Mainz

11:30

Poster and coffee

12:30

Lunch break

Session 6 A – Fibres 1 and biomedical textiles

Session chairs: Malgorzata K. Wlodarczyk-Biegun and Michael Wöltje

S6A_K

13:30

Bacterial Cellulose-Enhanced Nanofibers for Improved Endothelial Cell Adhesion in Cardiovascular Applications

J. Horáková, J. Wiener, P. Mikes, M. Radova, M. Dasek
Technical University of Liberec, Czech Republic

S6A_1

14:00

Collagen-Based Microfiber Scaffolds Enable Long-Term Structural Integrity in Textile-Like Constructs for Engineered Muscle Tissues

E. Knappe, M. Heintzsch, R. Ali, F. Mende, C. Seidel, I. Prade
FILK Freiberg

S6A_2

14:15

Filament yarn spinning from chitin and chitosan from various natural sources for medical applications

S. Scheele, I. Kuznik, L. Benecke, C. Cherif
TU Dresden

S6A_3

14:30

Bioresorbable Meshes for Pelvic Floor Surgery – Research and Development of Fully Degradable Warp-knitted Meshes from Polycaprolactone Monofilaments

H. Flock, L. Hoffmann, M. Schmetau, J. Seisel, D. Wienen, T. Gries, C. Gräf, E. Stickeler, L. Najjari
RWTH Aachen University Hospital

S6A_4

14:45

Cell-instructive microfibers promote cellular alignment to induce anisotropic tissue formation

A. Neuhäusler, N. Kötting, H. Munir, A. Blaeser
TU Darmstadt

Session 6 B – Characterization of permanent and

bioresorbable implants based on in vivo, in vitro and in silico methods

Session chairs: Maik Barbeck and Jana Markhoff

S6B_1

13:30

Characterization of implants based on in vivo, in vitro, in ovo and in silico methods

M. Barbeck, S. Stammkötter, O. Jung, M. Stiesch, R. Krastev, F. Walther
University Medical Center Rostock

S6B_2

13:45

Patient-specific implant properties: Adjusting stiffness of additively manufactured magnesium structures

A. Abel, S. Stammkötter, S. Sowka, A. Jahn, M. Müller,
N. Schwarz, F. Walther, S. Kaierle
Laser Center Hannover

S6B_3

14:00

Effects of Sandblasting and Acid Etching on the Surface Properties of Additively Manufactured and Machined Titanium

O. Akbas, A. Gaikwad, L. Reck, N. Ehlert, A. Jahn, J. Hermsdorf,
A. Winkel, M. Stiesch, A. Greuling
Hannover Medical School

S6B_4

14:15

Mastering Protein Adsorption on Bio-materials

T. Andreeva, O. Akbas, A. Winkel, A. Greuling, M. Stiesch,
O. Jung, M. Barbeck, R. Krastev
Reutlingen University

S6B_5

14:30

In vitro, in ovo and in vivo evaluation of additively manufactured titanium implants with innovative PEM coatings

M. Barbeck, C. Reinholdt, O. Akbas, J. Hermsdorf, R. Krastev,
T. Andreeva, O. Jung, M. Barbeck
University Medical Center Rostock

S6B_6

14:45

The Chick Chorioallantoic Membrane (CAM) Model for Biocompatibility Analysis of Biomaterials in the Context of the 3R-cascade

M. Barbeck, C. Reinholdt, K. Burkhardt, R. Schnettler,
S. Stojanovic, S. Najman, R. Schneider-Stock, O. Jung
University Medical Center Rostock

15:00

Break

Session 7 – Fibres 2

Session chairs: Dorothea Brüggemann and Max v. Witzleben

S7_K

15:15

Reconstructing Heterogeneous Tissue Environments Using Melt Electrowriting and Dynamic Material Printing

M. K. Włodarczyk-Biegun
*Groningen University, Netherlands and Silesian University of Technology,
Gliwice, Poland*

S7_1

15:45

Melt electrowriting-based PCL patch with optimized topology design for abdominal defect reconstruction

Y. Liu, M. von Witzleben, S. Duin, A. Bernhardt, M. Gelinsky

TU Dresden

S7_2

16:00

**Advancing Soft Tissue Regeneration:
3D-Melt-Spin-Bioprinting as a Platform for
Elastic, Cell-Instructive Scaffolds**

S. Scholpp, N. Köhler, P. Sauerbrei, E. Schätzlein, A. Blaeser

TU Darmstadt

S7_3

16:15

**Divergent Roles of Phosphate and
Chloride Ions in Fibrinogen Fiber Self-Assembly**

A. E. Kwame, A. S. Malisetty, L. C. Ciacchi,

S. Köppen-Hannemann, D. Brüggemann

City University of Applied Sciences Bremen

16:30

Coffee break

17:00

DGBM Member Assembly

19:00

Conference Dinner

Saturday, 11. October

Plenary lecture 3

Sessionchair: Michael Gelinsky

9:00 **Cells' biomaterialization**
João Mano
University of Aveiro, Portugal

10:00 **Break with coffee**

Session 8 A – Antibacterial strategies

Session chairs: Anja Lode and Corina Vater

S8A_K

10:15 **Bacteriophage therapy in clinical application**
B. Brenner
Phage Germany, Bonn

S8A_1

10:45 **Antibacterial coatings based on polyelectrolytes and bacteriophages**
L. Wirth, M. Müller, B. Urban, G. K. Mannala, V. Alt
Leibniz IPF Dresden

S8A_2

11:00 **The anti-biofilm and osteoimmunomodulatory potential of commensal microflora-coated implants in two- and three-dimensional human cell culture models**
R. Lohar, M.I. Rahim, A. Winkel, M. Stiesch
Hannover Medical School

S8A_3

11:15 **Integrating Antimicrobial Peptides into Self-Assembled Fibrinogen Nanofibers**
L. Dierker, F. Apel, B. Kallepalli, L. Gätjen, I. Grunwald, S. Veltel, D. Brüggemann
City University of Applied Sciences Bremen

S8A_4

11:30 **Delivery of bacteriophages using different biomaterials**
C. Vater, A. Lode, G. Krishna Mannala, M. v. Witzleben, R. F. Richter, H. Bretschneider, K. Schütz, N. Walter, M. Gelinsky, V. Alt, M. Rupp
TU Dresden

Session 8 B – Bioprinting 1

Session chairs: Ansgar Petersen and Tomasz Jüngst

S8B_K

10:15

Leveraging diffusion mechanisms for 3D bioprinting in biomedicine and cellular agriculture

D. Kilian

MERLN, Maastricht University, Netherlands

S8B_1

10:45

High-Resolution 3D Two-Photon Polymerization of Architected Bioinstructive Microspheres for Bone Tissue Regeneration

E. de Mercurio, A. Herrera, A. Petersen

BIH at Charité Berlin

S8B_2

11:00

Direct printing of cell-laden perfusable channels into complex geometries by the convergence of embedded and volumetric bioprinting

N. Chicaiza-Cabezas, C. Gergely, C. Mussoni, V. Borree, F. Moser, T. Ahmad, T. Jungst, M. Bartolff-Kopp, J. Groll

University of Würzburg

S8B_3

11:15

A Biohybrid Vascular Scaffold for Functional Integration into 3D Cell Cultures

F. Colombo, G. Dave, D. Levi, J. Hoffmann, A. Kadric, C. Selhuber-Unkel

Heidelberg University

S8B_4

11:30

3D printing of functionalized polyacrylamide hydrogels via two-photon-polymerization allowing precise control over shape, stiffness and matrix tethering

M. Schmidt, A. Sonn, B. Schamberger, C. Weiß, C. Selhuber-Unkel

Heidelberg University

11:45

Break with coffee

Session 9 A – Antibacterial and anti-inflammatory strategies

Session chairs: Benjamin Kruppke and Katharina Doll-Nikutta

S9A_1

12:00

Multifunctional collagen laminates as a platform for integrated bone regeneration and infection control

T. Gaschik, C. Eßbach, D. Fischer, D. Nickel, U. Ritz

University Medical Center Mainz

S9A_2

12:15

An in vitro Flow Chamber Model for Oral Biofilm Dysbiosis

N. Heine, K. Bittroff, S. P. Szafranski, M. Duitscher, N. Debener,
K. Frings, M. L. Torres-Mapa, T. Scheper, A. Heisterkamp,
J. Bahnemann, M. Stiesch, K. Doll-Nikutta

Hannover Medical School

S9A_3

12:30

Studying Host–Biofilm–Implant Interactions in a Macrophage-Integrated Oral 3D In Vitro Model

S. Chen, M. I. Rahim, R. Lohar, C. Mikolai, A. Winkel,
D. Wirth, H. Menzel, M. Stiesch

Hannover Medical School

S9A_4

12:45

Chemokine-Scavenging Wound Dressing Improves Wound Healing in Chronic Wounds

L. Schirmer, P. Atallah, S. Kühn, U. Freudenberg, C. Werner

Leibniz IPF Dresden

Session 9 B – Bioprinting 2

Session chairs: Christine Selhuber-Unkel and David Kilian

S9B_1

12:00

Cyanobacteria-Driven Strategies for Serum-Free and Large-Scale Biofabrication of Cultivated Meat

P. Karnop, R. Maatz, F. Joseph, I. Pappert, R. Kaldenhoff, A. Blaeser

TU Darmstadt

S9B_2

12:15

Two-Photon-Polymerization of Methacrylated Agarose for the in vitro Encapsulation of Plant Cells and for the Fabrication of Scaffolds for Mammalian Cells

A. Sonn, B. Schamberger, C. Barwig, M. Websky, J. Möller,
E. Guerrero Aruffo, L. Bald, Jan Lohmann, C. Selhuber-Unkel

Heidelberg University

S9B_3

12:30

Embedding Synthetic Cell-like Lipid Vesicles in Bioinks to aid the Differentiation of Tissues Post-bioprinting

O. Thaden, A. Taoum, J. Ranniger, C. Wood, F. Dehli, D. Duarte Campos

Heidelberg University

S9B_4

12:45

Beyond Labels: Transparent Neural Network Decisions for Virtual Immunostaining in Tissue Engineering

K. Schmidt, A. Obersteiner, M. von Witzleben,
M. Gelinsky, J. Czarske, N. Koukourakis

TU Dresden

13:00

Closing ceremony

Poster

- P1 Functionalisation of biohybrid materials using extracellular vesicles to support tissue regeneration in oral and maxillofacial surgery**
S. Fuest, C. Apel, X. Yong, A. Sarisoy, A. Salviano Da Silva, F. Ricklefs, M. Gosau, T. Fischer, R. Smeets
University Hospital Hamburg-Eppendorf
- P2 Antibacterially loaded fibroin/sericin membranes for use in GBR/GTR therapy – an in vitro approach**
S. Fuest, S. Schäfer, M. Gosau, U. Peters, I. Fiedler, A. Kopp, R. Smeets
University Hospital Hamburg-Eppendorf
- P3 Surface modification of zirconia by laser structuring and cold atmospheric plasma promotes cell adhesion and elevates calcium ion signaling**
S. Staehlke, V. Senz, T. Eickner, J. Brief, J. B. Nebe
Rostock University Medical Center
- P4 Biofilm Formation of Porphyromonas gingivalis on Titanium Surfaces in Response to 1,4-Dihydroxy-2-naphthoic acid: An Integrative in vitro-in silico Approach**
R. Mukherjee, F. Klempt, F. Fuchs, K. Doll-Nikutta, M. Soleimani, P. Wriggers, P. Junker, M. Stiesch, S. P. Szafranski
Hannover Medical School
- P5 Temporally and spatially resolved pH in commensal and pathogenic oral biofilms in vitro**
M. Duitscher, N. Heine, M. Stiesch, K. Doll-Nikutta
Hannover Medical School
- P6 Material-Derived Nanoparticles Modulate Multispecies Oral Biofilms**
Q. Duan, W. Andreas, H. Hartwig, M. Stiesch
Hannover Medical School
- P7 Inflammasome Activation by Clinically Relevant Metal Ions and Particles: A Comparative In Vitro Study Using Primary Murine Macrophages**
B. A. Hosseini, C. Saade, A. Jonitz-Heincke, M. Sendler, J. Schoon, B. M. Bröker
University Medicine Greifswald

- P8 Surface Topography and Salivary Proteins Synergy of Additively Manufactured Titanium Influence the Growth of Early Colonizing Bacteria**
A. Winkel, A. Gaikwad, O. Akbas, F. Fuchs, N. Ehlert, N. Nnane, A. Joshi, S. Szafranski, H. Menzel, A. Greuling, M. Stiesch
Hannover Medical School
- P9 Behaviour of laser structured steel surfaces for anti-microbial bio-functionalisation of dental materials – a pilot study**
L. M. Kroschwald, H. Meissner, D. J. Förster, C. Freitag, U. U. Botzenhart
TU Dresden
- P10 Magnesium-based resorbable membrane pins with improved mechanical properties: preclinical and clinical evaluation**
R. Smeets, L. Matthies, P. Köcher, M. Gosau, I. Fiedler, A. Kopp, S. Fuest
University Hospital Hamburg-Eppendorf
- P11 Biofunctionalisation of silk fibroin scaffolds with melt matrix protein and injectable platelet-rich fibrin (iPRF) in ovo**
R. Smeets, P. Kämmerer, D. Heimes, N. Wiesmann-Imilowski, M. Gosau, S. Fuest
University Hospital Hamburg-Eppendorf
- P12 Multilayered GBR Membranes with Mucoadhesive and Osteoinductive Properties**
C. Dietze, L. Benecke, E. Klüver, D. Aibibu, Ch. Cherif, M. Meyer
FILK Freiberg
- P13 Pentoxifylline and Tocopherol Enhance Osteoblast Activity and Alveolar Bone Healing in a Rat Model**
D. Gondim, A. Soares, M. Leitão, E. da Silva, A. Rodrigues, N. Ricardo, P. Goes
Federal University of Ceara, Fortaleza, Brazil
- P14 Influence of different serum concentrations on the in vitro effects of cobalt and chromium particles and ions in human osteoblasts**
E. Dargel, I. Simsek, M. Sellin, A. Klinder, L. Steil, R. Bader, A. Jonitz-Heincke
Rostock University Medical Center
- P15 Subtoxic concentrations of divalent Cobalt and Nickel ions affect the inflammatory and differentiation status of adipose-derived mesenchymal stem/stromal cells in vitro**
O. Hahn, V. Caton, O. T. Waheed, B. Müller-Hilke, A. Jonitz-Heincke, R. Bader, T. Fiedler, K. Peters
Rostock University Medical Center

- P16 Toxicity of different metallic wear particles in peri-prosthetic cells**
I. Simsek, E. Dargel, M.-L. Sellin, A. Klinder, P. J. Hol,
R. Bader, A. Jonitz-Heincke
Rostock University Medical Center
- P17 Enabling high fidelity 3D printing of bone mimetic nanocomposite hydrogels by enhancing rheological properties using polyacrylic acid**
T. Naolou, N. Schadzek, J.M. Hornbostel, I. Pepelanova, M. Frommer,
F. Lötze, L. Sauheitt, S. Dultz, V. Felde, S. Ruggieri, O. Myklebost, C. Lee-Thedieck
Leibniz University Hannover
- P18 Investigation of the potential effect of Cold Atmospheric Plasma on Viability, Differentiation and Gene Expression in Human Osteoblasts**
N. Busam, K. Wirsig, T. H. Rudd, A. Lopez-Vasquez,
L. Barillas-Mora, M. Gelinsky, M. von Witzleben
TU Dresden
- P19 3D bioprinting of biphasic constructs with a calcium phosphate paste in combination with a platelet rich fibrin hydrogel**
T. Grandjean, U. Ritz, S. Blatt
University Medical Center Mainz
- P20 Replacement of FCS in cultivation and differentiation of primary human osteoblasts and chondrocytes**
A. Bernhardt, K. Schütz
TU Dresden
- P21 Gelatin/silica nanofiber-based composites for enhancing physico-chemical properties and cellular functions of human mesenchymal stem cells (hMSCs)**
J. Li, H.-P. Wiesmann, V. Hintze
TU Dresden
- P22 Development of novel Niobium-substituted Tricalcium Phosphates for potential application in bone regeneration: initial synthesis and evaluation**
J. Bünecker Cassel, R. F. Richter, M. Gelinsky
TU Dresden
- P23 Exploring Bioink Formulations with Strontium modified Calcium Phosphate Cement Particles for Osteochondral Scaffolds Fabrication**
N. Sharma, M. von Witzleben, A. Lode, M. Gelinsky
TU Dresden

- P24 Impact of 3D culture systems on the protein secretion of mesenchymal stromal cells and the implications for cartilage regeneration**
E. Fichter, J. Bellstedt, H. Bretschneider, J. Lützner, A. Bernhardt
TU Dresden
- P25 Bioactive glass particles to support chondrogenesis in 3D printed hydrogel scaffolds**
C. Gögele, E. Lovin, N. Fleischmann, S. Müller, T. Liesenberg, S. Wiltzsch, T. Gerdes, K. Schäfer-Eckart, A. Lenhart, G. Schulze-Tanzil
Paracelsus Medical University Nürnberg
- P26 Impact of silicate bioactive glass fibre composition on the behaviour of MC3T3-E1 and C2C12 cells**
R. Detsch, C. Elschner, C. Scheffler, J. Grottendieck, S. Fuhrmann, M. Groß, A. R. Boccaccini
FAU Erlangen-Nuremberg
- P27 Application of Advanced 3D Scaffolds Based on Melt Electrowriting Technology in Bone Tumor Modeling: Geometry Optimization and Mineralization Efficiency Study**
C. Ye, S. Schulze, K.-D. Schaser
University Hospital Dresden
- P28 3D Cancer-on-Chip Platform for Modeling Prostate Cancer Bone Metastasis and Evaluating Pharmaceutical Targeting Strategies**
M. Haack, J. Stein, A. Neuhäusler, S.D. Markowitsch, J. Dietz, U. Ritz, A. Haferkamp, A. Blaeser
TU Darmstadt
- P29 Influence of surface associated water layers on the hemocompatibility of polyelectrolyte multilayer coatings**
J. M. Börke, H. Rothe, L. Dobler, W. Frühauf, M. F. Maitz, K. Liefeth
IBA Heilbad Heiligenstadt
- P30 Pneumatic bioprinting of branched vascular structures into a perfused bioreactor using a cell-laden gelatin as a sacrificial ink**
F. Götz, H. Fischer
RWTH Aachen University Hospital
- P31 Evaluation of xeno-free serum alternatives for mesenchymal stromal cell culture and their differentiation towards keratocyte lineage for corneal bioprinting**
J. Oster, A. Taoum, M. Wang, A. Frank, M. Fuest, D. Duarte Campos
Heidelberg University

- P32 Biochemical functionalization of a recombinant protein-based hydrogel for sealing of corneal perforations**
J. Dittrich, N. Polisetti, B. Rolaufts, S. M. Schiller, G. Schlunck, A. Resch
University of Freiburg
- P33 Cell Alignment and Orientation Strategies for Cardiac Regeneration Using Cell Instructive Microfibers**
S. Luís, A. Neuhäusler, E. Schätzlein, A. Blaeser
TU Darmstadt
- P34 Manufacturing and characterisation of silicone/metal salt composites for controlled release of metal ions**
S. Schultz, J. Markhoff, A. Jonitz-Heincke, R. Bader, N. Grabow, T. Eickner
Rostock University Medical Center
- P35 Shaping Cell Behaviour: Geometry's Role in Deformable Hydrogel Environment**
B. Schamberger, J. Hoffmann, F. Taheri, C. Mense, M. Schmidt, U. Schwarz, C. Selhuber-Unkel
University Heidelberg
- P36 Development of transparent thermoreversible hydrogels as synthetic cell culture matrices**
D. Lückermann, D. Nash, M. Weinhart
Leibniz University Hannover
- P37 Epithelial In-vitro Models to Study Adhesion and Biocompatibility of Functionalized Surfaces for Hearing Applications**
L. Simunovic, K. Spindler, K. Athanasopulu, R. Kemkemer
Reutlingen University
- P38 Biodegradable Smart Stents with Spatiotemporally Controlled Drug Release**
Y. Hou, G. Zhu
University Heidelberg
- P39 Regolith-Supported Biofabrication: 3D Bioprinting of Living, Photosynthetically Active Structures Using Lunar and Martian Regolith Simulants**
J. Windisch, R. F. Richter, K. Beblo, K. Grewe, P. Rettberg, M. Gelinsky, A. Lode
TU Dresden
- P40 High Concentration Cell Freezing for Bioprinting Applications in Space**
E. Kirbas, J. Windisch, M. von Witzleben, A. Lode, M. Gelinsky
TU Dresden

- P41 Development of a Perfusable Glomerulus Model Using Collagen-Coated Melt Electrowritten Scaffolds**
A. R. Akkineni, J. Bogas Fouce, S. Duin, M. von Witzleben, K. Gaddam, F. Pati, J. Sradnick, Ch. Hugo, A. Lode, M. Gelinsky
TU Dresden
- P42 Fabrication and Optimization of Electrospun pH-Sensitive Eudragit E100–Chitosan Fibers for Sustained Antifungal Delivery**
M. H. Mirmusavi, C. Wischke
University Halle-Wittenberg
- P43 Interaction mechanisms between antibiotics and calcium phosphate cements as pharmacologically active bone graft substitutes**
J. K. Konrad, J. Rudnik, K. Hurle, U. Gbureck
University Hospital Würzburg
- P44 Cobalt modified calcium phosphate cement for promotion of angiogenesis during bone repair based on ion release**
C. Ye, R. F. Richter, M. Gelinsky
TU Dresden
- P45 Antithrombotic and antibacterial extracellular matrix mimicking hydrogel composites for blood contacting devices**
D. Madkatte, M. Soter, T.H. Nguyen
IBA Heilbad Heiligenstadt
- P46 Hydrogel Optimisation for Evaluation of Cell Migration in 3D Tissue Models**
P. M. Garlichs, Y. R. Dai, S. Heilig, F. Hoffmann, J. Weigelt, A. Cianciosi, M. Pfeiffle, T. Jüngst, I. Cicha, J. Groll, C. Alexiou
University Hospital Erlangen
- P47 Progressive cavity pump systems improve control over the shear stress profile in microextrusion-based bioprinting enabling tailored collagen fiber and cell alignment in 3D skin models**
M. Karpát, Y. A. Degirmenci, H. Fischer
RWTH Aachen University Hospital
- P48 Effects of Different 3D Biomaterial Hydrogel Environments on Human iPSC-derived Astrocyte Morphology, Transcriptome, and Reprogramming**
T. Distler, K. Konrad Daga, M. Bürkle, T. Simon, S. Vásquez Sepúlveda, K. Franze, M. Götz, G. Masserdotti
LMU Munich

- P49 Development and Characterization of a Stratified Skin Model Using Alvetex Scaffolds**
R. Friede, E. Rehbein-Bode, N. Brandes
IBA Heilbad Heiligenstadt
- P50 Biological Effects of Synthetic and Natural Mineral Fibers**
A. Winter, N. Rosenkranz, K. Kostka, N. Białas, D. G. Weber, G. Johnen, K. Loza, T. Brüning, J. Krabbe, G. Westphal, M. Eppler
University of Duisburg-Essen
- P51 Integrated MEW-MES Scaffold and Hydrogel for Nasal Septum Regeneration**
Y. Liu, M. v. Witzleben, M. Gelinsky
TU Dresden
- P52 Alkaline, hydrolytic degradation of thermoplastic polyurethane filaments for pancreatic suture material**
D. Wienen, S. Hesse, J. Westphäling, M. Helmedag, A. Chrysos, A. Lambertz, T. Gries
RWTH Aachen University Hospital
- P53 Low-Concentration Collagen Blends for Aligned Cartilage Scaffolds**
K. N. Wagner, T. Stein, T. Nuntapramote, D. Brüggemann
City University of Applied Sciences Bremen
- P54 Electron Beam Induced Biomaterial Engineering**
N. Gürtler, L. Kenner, U. König
Fraunhofer FEP Dresden
- P55 Phosphocholine Encapsulation and Release Using Biopolymer-Based Carriers**
A. Meshal, M. Schulze, K. Richter
Bonn-Rhein-Sieg University of Applied Sciences
- P56 Light-Responsive Hydrogels for Biomedical Applications**
M. Regato-Herbella, K. Ramesh, Z. Wang, S. Geiger, C. Selhuber-Unkel
Heidelberg University
- P57 Enzyme-Responsive Micellar Implant Coatings from tailored Chitosan-g-PCL Copolymers for Targeted Drug Delivery Systems**
O. Hergert, A. Boden, E. Hanssen, P. Kingshott, H. Menzel
TU Braunschweig
- P58 Low temperature sterilization of thermolabile biofunctionalized implant materials**
M. Baltzer, E. Klüver, I. Prade, M. Meyer
FILK Freiberg

- P59 Mimicking the interaction between bacteria and methacrylated collagen by using fluorescent latex particles**
L. M. Holderbach, J. Mejlsted, M. Molderings, R. Maatz, H. Köppl, A. Blaeser
TU Darmstadt
- P60 Sulfated polymer microgels for topical treatment of inflammatory bowel disease**
S. Kühn, K. Peuker, L. Schirmer, J. Thiele, U., Freudenberg, S. ZeiBig, C. Werner
Leibniz IPF Dresden
- P61 Tuning Collagen Assembly:
How pH and Salt Drive Fibrillogenesis in Multifilament Spinning**
P. Schyra, M. Wöltje, C. Cherif, D. Aibibu
TU Dresden
- P62 Adaptation of the properties of photo-cross-linked GelMA hydrogels by incorporation of small co-monomers**
J. Krieghoff, J. Treise, J. Ebrahim, M. Geng, M. Schulz-Siegmund
Leipzig University
- P63 Evaluating the Safety and Performance of the Hyaluronic Acid-Based Hydrogel Healaflo as a Vitreous Substitute In Vitro and in Patients with Phthisis Bulbi**
V. Junge, K. Januschowski, A. Schulz
Rostock University Medical Center
- P64 Introducing Optical Fiber-Assisted Bioprinting (OFAB) as Novel 3D Bioprinting Method**
M. Pfeifle, A. Ciansioi, T. Jüngst
University of Würzburg
- P65 Clog-free transfer of ultra-high cell concentrations with the Acoustic Bioprinting technology**
A. Gómez Montoya, M. Weroniczak-Ballod, L. Breulmann, S. Blank, R. Tağman, H. Fischer
RWTH Aachen University Hospital
- P66 Integrating Regulatory Standards into Inkjet Biofabrication: A Case Study in Personalized Scaffold Production**
H. Unterweger, D. Seitz, M. Kainz, I. Gnatiuk
Bayern Innovativ GmbH, Nuremberg
- P67 Non-Isocyanate Polyurethanes – Investigation of Innovative Resorbable NIPUs for Medical Textile Applications**
H. Flock, S. Voebel, D. Wienen, C. Herfurth, J. Bohrisch, T. Gries
RWTH Aachen University Hospital

- P68 Comparative assessment of pneumatic, syringe pump based or progressive cavity based extrusion for creating bioprinted gradient structures**
F. Moser, S. Rahmani, T. Jüngst
University Hospital Würzburg
- P69 Sustainable Dissolution of Silk Fibroin: A Green Approach to Biomaterial Development**
M. Wöltje, H. Kahne
TU Dresden
- P70 Advanced Biomimetic Implants: Bioactive Glass Fibre-Reinforced Polylactic Acid for Enhanced Bone Regeneration**
H. F. Pötzsch, Rashed Al Mizan, T. Gereke, Ch. Cherif, D. Aibibu
TU Dresden
- P71 Biofunctional Silica–Collagen Xerogels: Boosting Antioxidant Activity with Lignin**
S. Jalali, M. J. Khiabani, O. P. Varghese, B. Kruppke
TU Dresden
- P72 Struvite and (K)-struvite cements with variable, phase composition-controlled degradation profiles**
P. F. Otto, N. Dümmler, F. Baumeister, J. Dehnel, J. Fuchs, D. Gbureck, T. Lochner, U. Gbureck
University Hospital Würzburg
- P73 From Biomaterials to Microbiology: Unlocking New Markets with the “ClickIt-Well” In Vitro Test Platform**
N. Feldmann, C. Hermeling, K. Ekat, J. Spohn
Fraunhofer IKTS Dresden
- P74 Characterization of Protein Architecture and Tissue Stiffness in Biopsies from IBD Patients**
F. Diaz, M. Schewe, C. Selhuber-Unkel, F. Colombo
University Heidelberg
- P75 Proof of Concept: Setup Optimization to Synthesize Molecularly Imprinted Polymers for Detecting Biomarkers**
A. Hangleiter, J. Kober, M. Bögl, B. Daniels, C. Hanshans
Munich University of Applied Sciences
- P76 Plasma-assisted microstructured silicone surfaces for medical products**
F. Junghans, I. Prade, B. Voigt, K. Leppchen-Fröhlich, A. Müller, R. Helbig
FILK Freiburg

- P77** **γ -Cyclodextrin – Hyaluronic Acid Copolymer for Drug Delivery a Degradation Study**
T. Eickner, A. Hähnel, S. Oschatz, N. Grabow
Rostock University Medical Center
- P78** **Fibrinogen-based nanofiber composites for soft tissue engineering**
T. Nuntapramote, K. N. Wagner, D. Brüggemann
City University of Applied Sciences Bremen

General information

Certificates of attendance

Certificates of attendance will be sent on request only via e-mail after the conference. If you need such a certificate, please contact ulrike.heide@ukdd.de.

Coffee and lunch breaks

We kindly request that you place used crockery on the tables provided for this purpose. Thank you very much!

Conference language

The conference language is English.

WiFi

In the building, eduroam is available.

Registration and Cancellation

Registration Fees

	Standard (before 9.9.2025)	Late (9.9.2025 or later)
Regular	360,00 €	410,00 €
DGBM Member	300,00 €	350,00 €
Student/ PhD student	180,00 €	220,00 €
Conference dinner on 10th October	75,00 €	75,00 €

Prices including 19 % VAT.

To avoid delays in the start of the conference, everyone is asked to register online in advance.

Registration Cancellation

Registrations cancelled before 20. August 2025 are fully refundable.

Registrations cancelled before 20. September 2025 are eligible for a 50 % refund of the registration fees paid.

Registrations cancelled at a later date are not eligible for any refund.



Participant registration at
www.dgbm-kongress.de –
click on the QR-Code
to register.

Information for oral and poster presenters

The conference language is English. Normal oral presentations have a length of 15 minutes incl. discussion and change of speaker, keynote lectures 30 minutes. Please bring your slides as PowerPoint file on a USB stick and upload it to the computer in the respective lecture hall, latest in the break before your session. It is not possible to use your own notebook.

All sessions of the A series take place in the left, and those named as B in the right lecture hall

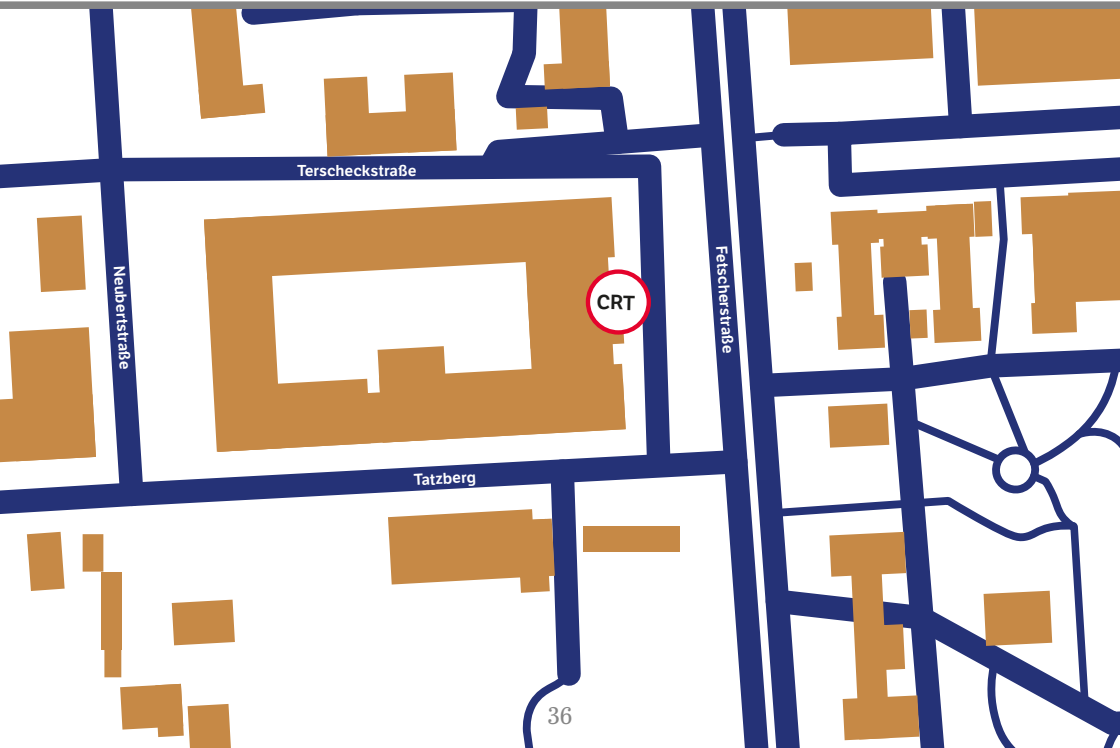
Posters shall have format A0 (portrait) and have to be mounted on the poster walls, marked with the respective poster numbers. Material for fixation will be provided. Posters are on display during the whole conference. The presenting authors should be available for discussions at their poster during the poster sessions.

Venue – Conference

The conference will take place at the **Centre for Regenerative Therapies** of TU Dresden
Fetscherstraße 105
in 01307 Dresden.



View venue on
OpenStreetMap.



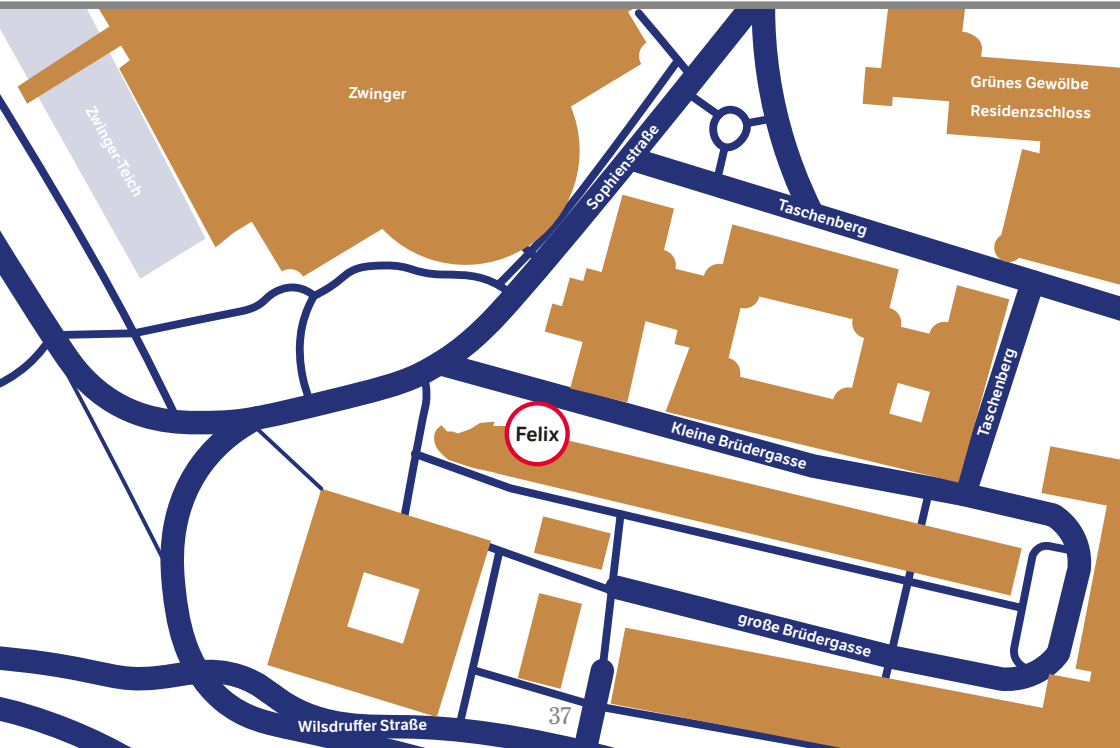
Venue – Conference Dinner



The Conference Dinner
(Registration required)
will take place at
Felix at Staycity Dresden
Kleine Brüdergasse 5
in 01067 Dresden.



View venue on
OpenStreetMap.



Save the date for next year's DGBM Annual Meeting 24.–26.09.2026 in Aachen



Confirmed Plenary Speakers:



Lorenzo Moroni



Laura De Laporte



Kai Melde



Adrian Ranga

Scientific Topics:

- Biofabrication
- Extracellular Matrix Substitutes
- Magnetic, Acoustic and Electrical Tools in TE
- Spheroids and Organoids
- In Vitro Models
- Surface Functionalization
- Free Topics

The day before the conference (Wed, 23 Sept 2026)
a workshop on „Biofabricaton“ will be held for the
DGBM Young Scientist Community.

**My team and I are looking forward
to welcoming you to Aachen next year!**



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