

ESB2019

30th ANNUAL CONFERENCE OF THE EUROPEAN SOCIETY FOR BIOMATERIALS
TOGETHER WITH THE 26th ANNUAL CONFERENCE OF THE GERMAN SOCIETY FOR BIOMATERIALS (DGBM)

9 – 13 September 2019 Dresden



Proposals for Special Symposia

Submission deadline:

December 15th, 2018

Guideline:

- session duration: 90 minutes, from that:
 - **2 invited/keynote speakers (30 minutes each)** – your part
 - 2 speakers selected from submitted abstract from organising committee (15 minutes each)
- Upon acceptance of the special symposia, both keynote speakers must **submit an abstract** of their presentation **before March 15th, 2019** (using the online abstract submission system)

Proposer(s) (max. 2) (name, affiliation and e-mail address):

Proposer 1

Contact person

Affiliation

Zip code / city

Country

Phone

E-Mail

Proposer 2

Contact person

Affiliation

Zip code / city

Country

Phone

E-Mail

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Title of the symposium:

Keywords (max 3) - selected from the topics you find at the end of the template:

Keyword 1 _____

Keyword 2 _____

Keyword 3 _____

Chair and Co-Chair (name, affiliation and e-mail address – can be identical with proposer):

Chair Name _____

Affiliation _____

Zip code / city _____

Country _____

Phone _____

E-Mail _____

Co-Chair Name _____

Affiliation _____

Zip code / city _____

Country _____

Phone _____

E-Mail _____

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Two keynote presenters (name, affiliation and e-mail address):

Keynote presenter 1 _____

Affiliation _____

Street _____

Zip code / city _____

Country _____

Phone _____

E-Mail _____

Keynote presenter 2 _____

Affiliation _____

Street _____

Zip code / city _____

Country _____

Phone _____

E-Mail _____

Learning objectives (max. 50 words):

Proposed program (max. 50 words per speaker/presentation):



Intended audience (max. 20 words):

Special audio-visual support (if needed):

Relevance to the main topics of ESB (max. 20 words):

Assumption of costs for the 2 keynote speaker:

Please note: ESB or congress organizer do NOT pay for any costs of your keynote speakers. Congress registration of the key note speaker is mandatory and prerequisite for participation. Please confirm the assumption of costs for your keynote speaker:

- Yes, we pay the costs for congress registration of our keynote speaker and inform our keynote speaker that neither accomodation nor travel costs will be covered by the ESB or congress organisation of the ESB 2019 conference.

Invoice address for registration fee (registration after acceptance through organiser)

Institution or company _____

Affiliation _____

Street _____

Zip code / city _____

Country _____

Phone _____

E-Mail _____



- Keynote Speakers will pay registration fees by themselves and confirm that that neither accomodation nor travel costs will be covered by the ESB or congress organisation of the ESB 2019 conference.
Registration will be made online from speakers themselves after acceptance.

Date: _____ Signature and Stamp: _____

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ESB 2019: list of keywords for special symposia and abstract submission

Every abstract has to be assigned to 3 keywords from the list below, selected in descending order concerning relevance and fit. If possible, select only specific topics (written in non-bold letters). Only when those do not fit also the topic headings should be chosen as alternative.

Biomaterial synthesis and characterisation

Metallic biomaterials/implants
Biodegradable metals
Ceramic biomaterials
Calcium phosphates
Bioglasses & silicates
Polymeric biomaterials
Biopolymeric biomaterials
Composites and nanocomposites
Textile and fibre-based biomaterials incl. electrospinning
Artificial extracellular matrix
Stimuli-responsive biomaterials

Surface modifications

Micro- and nanopatterning
Coatings

Biomaterials for tissue engineering applications

Hydrogels for TE applications
3D scaffolds for TE applications
Physical stimulation of TE constructs
Bioreactors and monitoring of TE constructs
Vascularisation of TE constructs

Tissue and organ models

In vitro tissue models
Cancer models
Organ-on-a-chip and microfluidics
Scaffold-free models and organoids

Biomaterials for Additive Manufacturing/3D Printing

Biomaterials for extrusion printing
Fused Filament Fabrication (FFF)
Powder printing
Laser-based AM technologies
3D bioprinting/biofabrication
Novel AM technologies and tools
Melt Electro Writing (MEW)

Biomaterials (incl. coatings) for local drug and growth factor delivery

Biomaterials for drug delivery
Biomaterials for antibiotics delivery
Biomaterials for growth factor delivery
Biomaterials for gene therapy

Biomaterials for specific applications

Adipose tissue
Antibacterial

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Bladder and urogenital tissues
Bone
Cartilage and osteochondral
Cardiovascular incl. heart valve
Craniofacial and maxillofacial
Dental
Kidney, liver and pancreas
Lung, bronchia and trachea
Materials for electric stimulation
Ophthalmology
Peripheral nerves and spinal cord
Skin and mucosa
Spinal disc
Tendon and ligament
Vascular grafts incl. stents
Wound healing and tissue adhesives

Biocompatibility and *in vitro* tests

Biocompatibility
Biodegradation
Imaging
Surface characterisation
Biosensors
Mechanical characterisation
Modelling of material properties

Cell-material interactions

Stem cells and cell differentiation
Immunomodulatory biomaterials
Cell adhesion and migration
3D cell cultivation
Cell/particle interactions
Biomaterial-related biofilms

***In vivo* tests and animal models**

Small animal models
Large animal models
Material/tissue interfaces
Novel technologies and tools for histology
In vivo imaging

Clinical applications of biomaterials

Clinical trials
Clinical application
Biomaterial-related clinical problems (wear, metal ions etc.)
Demands of clinicians concerning biomaterials

Commercialisation of biomaterials

Translational research

Legal and regulatory aspects