

# 1<sup>st</sup> Biomaterials Research day

## FunGlass + FAU

### Friday, November 24

|               |   |   |          |
|---------------|---|---|----------|
| 9,00 - 9,10   | OPENING (Aldo R. Boccaccini / M. Michálek)  |   |          |
| 9,10 - 9,30   | Dr Irem Unalan  | Bioactive glass-incorporated melt electrowritten scaffolds  | FAU      |
| 9,30 - 9,50   | Dr Qaisar Namaz   | Mesoporous bioactive glass nanoparticles as carriers for therapeutic biomolecules and ions  | FAU      |
| 9,50 - 10,10  | Sena Harmanci (PhD student)   | Delivery of phytotherapeutics or natural biomolecules used in soft tissue engineering with mesoporous bioactive glass nanoparticles       | FAU      |
| 10,10 - 10,20 | <i>Coffee break</i>   |   |          |
| 10,20 - 10,40 | Akrity Anand (PhD student)  | Copper-strontium/magnesium co-doped mesoporous bioactive glass for tissue engineering and drug delivery applications                      | FunGlass |
| 10,40 - 11,00 | Germán Clavijo  | Fabrication of bismuth containing bioactive glasses coatings deposited by atmospheric plasma spray (APS) for biomedical applications      | FunGlass |
| 11,00 - 11,20 | Zuzana Neščáková  | The biological and anti-microbial activity of nanometric zinc doped bioactive glass   | FunGlass |
| 11,20 - 11,40 | Nurshen Mutlu   | Fabrication of Chitosan-Zn complex fiber mats with different fiber diameters by electrospinning   | FunGlass |
| 11,40 - 13,00 | <i>Lunch</i>  |   |          |
| 13,00 - 13,20 | Faina Bider (PhD student)   | Incorporation of bioactive glass particles into alginate-based inks for 3D printing   | FAU      |
| 13,20 - 13,40 | Zoya Hadzhieva (PhD student)  | Electrophoretic deposition of sodium-free fluoride- and copper-doped bioactive glass containing zein coatings for biomedical applications | FAU      |
| 13,40 - 14,00 | Zhiyan Xu (PhD student)   | Cerium doped dendritic mesoporous bioactive nanoparticles for bone regeneration   | FAU      |
| 14,00 - 14,20 | <i>Coffee break</i>   |   |          |
| 14,20 - 14,40 | Zulema Vargas   | Functionalized magnetic SBA-15 nanocomposites as injectable theranostic platforms for brain applications                                  | FunGlass |
| 14,40 - 15,00 | Martina Vitázková   | Effect of Co and B co-doped mesoporous bioactive glass nanoparticles on various cell lines  | FunGlass |
| 15,00 - 15,20 | Eva Vidomanová  | Effect of gallium containing bioactive glass nanoparticles on cancer cells in 2D and 3D cultivation conditions                            | FunGlass |
| 15,20 - 15,40 | Fatih Kurtuldu  | Gallium containing mesoporous nanoparticles for bone regeneration influences in vitro osteogenic and osteoclastic activity                | FunGlass |
| 15,40 - 16,00 | Aldo R. Boccaccini / M. Michálek Opportunities for future FunGlass-FAU collaborations in Biomaterials |   |          |