 

BioImplant meets MgSafe: Preliminary Agenda for the first joint virtual ETN Workshop on Thursday, 03.09.2020

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| 9:00 – 9:20 | Introduction to the networks | Ted and Regine |
| 9:20 – 11:05 | Short combined presentations of the ESRs: | 10 min talk + 5 min discussion /WP |
| BioImplant: |
| 9:20 – 9:35 | (i) Polymers |
| 9:35 – 9:50 | (ii) Magnesium & Coatings |
| 9:50 – 10:05 | (iii) Magnesium-based Composite Materials |
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| MgSafe:  |
| 10:05 – 10:20 | (i) Imaging Hard Tissue Remodelling  |
| 10:20 – 10:35 | (ii) Imaging Soft Tissue Remodelling and Inflammation |
| 10:35 – 10:50 | (iii) Imaging Bone-implant Interface  |
| 10:50 – 11:05 | (iv) Mg Implants *en route* to the Clinics  |
| 11:05 – 12:00 | Computational approaches for coatings and sintering |
| 11:05 – 11:30 | Christian Feiler (HZG): “Exploring Chemical Space using Computational Techniques” |  |
| 11:30 – 11:55 | Vladimir Ivannikov (HZG): Simulation of Mg Sintering |  |
| 12:00 – 13:00 | Lunch |
| 13:00 - 13:50 | Medical implant design |
| 13:00 – 13:25 | Alex Kopp (Meotec): Magnesium processing for Medical Implants |  |
| 13:25 – 13:50 | Killian Reuss (Medical Magnesium): Certification of Magnesium Medical Implants |  |
| 13:50 – 14:30 | Neural network techniques / modelling and simulation of degradation |
| 13:50 – 14:10 | Jalil Nourisa (HZG): Simulation of osteosynthesis |  |
| 14:10 – 14:30 | Reyhan Shirazi (NUIG): Physical Modelling of Magnesium Corrosion |  |
| 14:30 – 15:00 | Cooperation, visits and secondments |