



**Europäische Union
Evropská unie**

Europäischer Fonds für
regionale Entwicklung
Evropský fond pro
regionální rozvoj



Ziel ETZ | Cíl EÚS

Freistaat Bayern –
Tschschische Republik
Česká republika –
Svobodný stát Bavorsko
2014 – 2020 (INTERREG V)

OSTEOMET SEMINAR & WORKSHOP

26.07.2022 (VIRTUAL EVENT)

09:00 – 11:30: **OSTEOMET project meeting** (*internal*)

12:45: *Technical check for presenters*

Session I: educational seminar

13:15 Opening of the event (D. Docheva & T. Křenek)

13:30 Prof. Dr. Martina Rauner (Bone Lab Dresden, TU Dresden):
Clinical aspects of osteoporosis (tentative)

14:00 Ing. Štěpán Potocký, Ph.D. (Institute of Physics of Czech
Academy of Science, Division of Solid State Physics):
Engineered diamonds for increased osseointegration

14:30 – 14:45 Break

14:45 Prof. Dr. Regina Ebert (JMU Würzburg):
Cellular aspects of osteoporosis

15:15 Ing. Vít Nováček, Ph.D. (WBU Pilsen, NTC):
In silico clinical trials in medical device development

15:45 – 16:00 Break

Session II: workshop update on OSTEOMET

16:00 Doc. Ing. Tomáš Křenek, Ph.D.:
**Advanced bioactive nano-micro structured Ti
surfaces functionalized by colloidal nano-
particles of bone growth stimulants via
laser ablation in liquid**

16:30 Theresia Stich:
**Enhancing in vitro osteogenesis of osteo-
porotic cells via nano-micro structuring
and functionalization of Ti surfaces**

17:00 Ing. Tomáš Kovářik, Ph.D.:
**Mesoporous bioactive glasses:
Multifunctional platform for TE**

17:30 *Closing remarks*

Hosts

Prof. Dr. Denitsa Docheva
Doc. Ing. Tomáš Křenek



[Zoom link](#)