

Lecture title:
New concepts of bone regeneration and osseointegration

Short Bio

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Dr Thomsen did his early training in experimental cell biology at the Faculty of Medicine, University of Gothenburg. After holding a 4-year fellowship with the Swedish Medical Research Council, in 1994 Dr Thomsen was appointed Professor and Chair of Biomaterials at the University of Gothenburg. His research group has a track record in the development and application of novel techniques to resolve the fine structure and cell behaviour of tissue-material interfaces. He is the author of 250 original articles and 450 abstracts and lectures. In 2003, he received the ESB George Winter Award for excellence in biomaterials research, the most prestigious European award in the biomaterials research field. He was the Scientific Director of the BIOMATCELL VINN Excellence Center of Biomaterials and Cell Therapy between 2007 and 2017. He now leads the Materials for Health profile of the Area of Advance in Materials Science provided to Chalmers University of Technology and University of Gothenburg, funded by Swedish Governmental strategic grants. His research group is devoted to the clinical and scientific challenges in the musculoskeletal system, in particular aspects related to the regeneration of bone and osseointegration of the biomaterial-tissue interface (ultrastructure, inflammation, microbiology and extracellular vesicles).