Preview: Bone biology – where do we stand?

This presentation on bone biology, chaired by Professor Friedrich Neukam and Dr Franck Renouard, is one of a number of unmissable sessions scheduled for Paris 2016.

Why is it important to understand bone biology to achieve successful osseointegration and high success rates in dental implantology? Bone is a vascularised and dynamic tissue and therefore is optimally aligned to react to external influences. Osseointegration starts at the moment of implant insertion, and improvements to osseointegration have been made by development of modern implant surfaces. However, the high success rates of dental implants has led to their use in even more challenging clinical situations. Peri-implant bone supports the overlying soft tissues, which cover the mostly rough surfaces of modern implants. Nonetheless, in clinical experience, peri-implant bone loss occurs after insertion of implants and may lead to exposure of the implant surfaces. In ‘Bone biology – where do we stand?’ we will provide an insight into cell biology and the immunogenic effects of dental implants. We will also present current knowledge on the bone-to-implant interface, along with the latest developments in osseointegration. Finally, we will discuss the causes of peri-implant bone loss. Don’t miss the session!