

Invited Talk: The Future of Radiology and Cooperation at the Interdisciplinary Interface

Bram Stieltjes

Klinik für Radiologie und Nuklearmedizin, Basel, Switzerland
bram.stieltjes@usb.ch

Despite a tremendous advance in knowledge in informatics and specifically in medical image analysis in the last decades, the mainstay of current imaging-based diagnostics remains an artisan hand-work performed by medical doctors. Clearly, a translational gap is present between basic sciences and diagnostic clinical routine that hampers the process of industrialization and automation that has pervasively changed the face of many other jobs, blue and white collar alike. I will clarify why I believe that the main challenges in this field are not of pure technical nature and aim to outline an environment that I believe would enhance the translation of developed technology into clinical routine. I hope that this presentation will spark a discussion on major hurdles for seamless integration of informatics in a diagnostic environment and may generate ideas on inspiring future models for cooperation in this field.