

The European Strategic Cluster Partnership for Smart Specialization Investment in Medical Technologies

Webinar – “AI and medical technologies: Innovative projects across Europe”

Date	July 4th 2019 from 14:00 to 15:15
14.00 – 14.10	Welcome: Introduction of the „S3martMed“ project
14.10 – 14.30	First Presentation <i>by Professor Gabriella Balestra, Politecnico di Torino (Piemonte)</i>
14.30 – 14.50	DNALytics, data science expertise for the healthcare sector <i>by Damien Bertrand, PhD – Business Development Officer at DNALytics (Wallonie)</i> <ul style="list-style-type: none">• Presentation of DNALytics• Data sciences: specific needs in the healthcare context• DNALytics tools and methods• Applications overview and some case studies
14.50 – 15.10	Artificial intelligence in imaging <i>by Dr. Johannes Stelzer, Max Planck for Biological Cybernetics (Baden-Württemberg)</i> <ul style="list-style-type: none">• How can AI processes improve the image quality?• How can AI methods improve the analysis and interpretation of images?• What new types of imaging are possible through AI procedures?
15.10– 15.15	Q & A

Speakers

Damien Bertrand, PhD

Business Development Officer at DNAnalytics



Damien Bertrand holds a PhD in physics from **UCLouvain**, Belgium. He has more than 10 years' experience in Medical Device industry, with responsibilities in product innovation and strategic partnerships. Since 2017, he is in charge of the Business Development at **DNAnalytics**.

Dr Johannes Stelzer

Scientist at the Max Planck Institute for Biological Cybernetics



Dr. Johannes Stelzer studied physics, biophysics and philosophy at the Universities of Hamburg and Leipzig and worked on neuronal growth processes. He then pursued a PhD degree at the **Max Planck Institute for Human Cognitive and Brain sciences** in Leipzig, where he investigated human brain function by means of ultra-high field functional magnetic resonance imaging (fMRI). Here, he developed novel statistical methods for interpreting machine learning results from fMRI. Currently, Johannes is employed at the **Max Planck Institute for Biological Cybernetics** in Tübingen, where he develops analysis methods for fMRI, with special focus on network methods and artificial intelligence (AI). Since 2019 he co-founded the company Colugo GmbH in Tübingen. Colugo's goal is to empower companies by transferring cutting-edge AI methods into practical applications