Challenges in the next century will depend upon the development of technology requiring knowledge of biological systems, medical issues and engineering solutions. This initial meeting will present a sample of selected problems and the potential for biomedical engineering-based solutions and compelling arguments for the development of academic programs to train the next generation of engineers, biomedical scientists and practitioners for exciting career paths.

9h00-9h30: Welcome Coffee.
9h30-10h00: Partenariat Université Paris Descartes-PRES ParisTech et master de bioingénierie BME-Paris
- Axel Kahn, President of University Paris Descartes
- Cyrille Van Effentere, President of PRES ParisTech

10h00-10h20: "Biomechanics at the Mayo Clinic". KN An (Mayo Clinic, Rochester, USA)
10h20-10h40: "Motion analysis, sports and rehabilitation". A. Cappozzo, (Roma University, Italy).
10h40-10h50: Panel discussion and questions from the audience

10h50-11h20: Coffee break

11h20-11h40: "Quantitative image analysis in cardiovascular and neurodegenerative disease", W. Niessen (Erasmus Medical Center, Rotterdam, NL).
11h40-12h00: "The future of Biotherapy", M. Cavazzana Calvo (Université Paris Descartes, Hôpital Necker Enfants malades, France)
12h00-12h20: "Systems Biology", A. Murray (Harvard University, Cambridge, USA)

12h20-12h40: Presentation of the BME-Paris Master Program by the chairs W. Skalli (Arts et Métiers ParisTech) and R. Barouki (Université Paris Descartes).
12h40-13h00: Panel discussion and questions from the audience.
13h00: Cocktail