



# Program

*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