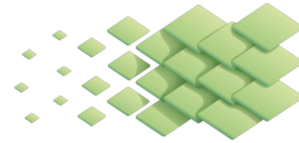


## MDR Graduate Course at TU/e

Location: Ceres 0.31



materials-driven regeneration

### Thursday 14/3/2019

- 10.00: Opening by Carlijn Bouten
- 10.05-10.50: Nicholas Kurniawan: Mechanobiology of cell-matrix interactions
- 10.50-11.00: Sandra Loerakker: Presentation of Technologies Innovation Platform
- 11.00-11.45: Vito Conte: From living cells to tissues: opportunities from mesoscale mechanical biology
- 11.45-12.30: Leda Klouda: Hydrogels in tissue engineering
- 12.30-12.35: Leda Klouda: Presentation of student group activity
- 12.35-13.30: *Lunch*
- 13.30-14.15: Sandra Loerakker: Computational modeling in tissue engineering
- 14.15-15.00: Jasper Foolen: Ligament tissue engineering
- 15.00-15.45: Jan de Boer: Biointerface science in tissue engineering
- 15.45-16.00: *Break*
- 16.00-16.45: Jurjen Tel: Immunoengineering
- 16.45-17.30: Carlijn Bouten: Challenges for materials-driven cardiovascular tissue engineering
- 17.30-19.00: Dinner and breakout session for student group activity
- 19.00-20.30: **Evening program:**
- Frank Baaijens, *Rector Magnificus TU/e*
- Perspectives on a Career in Tissue Engineering
- Phil Messersmith, *University of California, Berkeley*
- Interfacial and Bulk Molecular Phenomena in Mussel Adhesive Proteins and Their Synthetic Mimics

### Friday 15/3/2019

- 9.00-9.45: Keita Ito: Orthopedic tissue engineering
- 9.45-10.30: Sandra Hofmann: Bone tissue engineering
- 10.30-11.00: *Break*

- 11.00-11.45: Patricia Dankers: Supramolecular biomaterials
- 11.45-12.30: Nico Sommerdijk: Material biomineralization and cryoTEM
- 12.30-13.00: Student group activity presentations
- Closing remarks
- 13.00-14.00: *Lunch*