

Mini symposium

Mechanobiology in health and disease



When & where

10 & 11 April 2019
Figdor Lecture Theatre,
Route 289

Host

Alessandra Cambi &
Koen van den Dries
Dept. of Cell Biology

Registration

Not required

Program 10 April 2019

15.00 – 15.40: **Katarina Wolf, Dept. of Cell Biology**

*Control of cancer cell invasion by ECM porosity
and lamin-regulated nuclear deformability*

15.40 – 16.20: **Sirio Dupont, University of Padova**

*Greasy links between actomyosin contractility
and cell metabolism*

16.20 – 17.00: **Nicolas Baeyens, University of Brussels**

*Blood flow mechanosensing as a master regulator
of vascular remodeling*

Program 11 April 2019

15.00 – 15.40: **Wilhelm Huck, Dept. of Physical-Organic Chemistry**

A niche for every cell-controlling biophysical cues

15.40 – 16.20: **Frans van Nieuwenhoven, Maastricht University**

*Mechanical stimulation as trigger for cardiac
fibroblast activation*

16.20 – 17.00: **Carien Niessen, University of Köln**

*Biomechanical signaling in building, maintaining
and breaking epithelial barrier*