

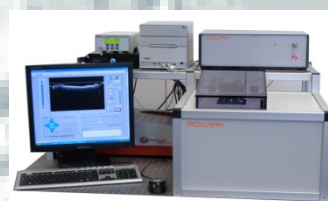
Wednesday June 22, 2011

Room Ee21.69, Erasmus Medical Centre

12.30 – 13.00

Rowiak TissueSurgeon:

Non-contact cutting in 3D by using femtosecond laser technology. Sectioning of native bones, teeth, and various other hard and soft tissues without any pretreatment; sectioning and microstructuring of polymers and biomaterials; separation of cell-layers; gentle isolation of cell groups from native histological samples, Optical Coherence Tomography guided cutting.



13.00 – 13.30

Rowiak CellSurgeon:

Surgery in living cells by using femtosecond laser technology. Analysis of cell-dynamics, optical knockout of cell-organelles, transfection of (sensitive) cells by optoperforation, optical stimulation and micro-analysis, manipulation of small model organisms, multiphoton imaging, nanodissection.

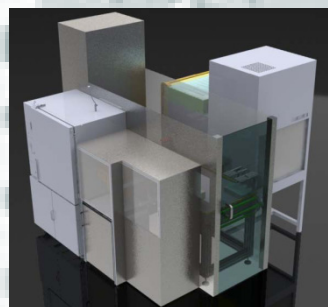


Break

14.00 – 14.30

Rowiak CellCultivator:

Fully automated system for cultivation and monitoring of especially sensitive cells. The system is suited for the development of cell-lines, producing reproducible cell-cultures, cultivation of stem cells and primary cells, longterm culture, tissue-engineering, 3D cultures, transfection, and live cell imaging.



14.30 – 15.00

QuinXell Cell-surrect:

A unique bi-axial bioreactor (spin and tumble simultaneously) that increases proliferation and differentiation 2-fold or more compared to static cultures. The system addresses TE applications especially for slow growing cells like bone cells, stem cells and primary cells.



For more information, please contact:

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