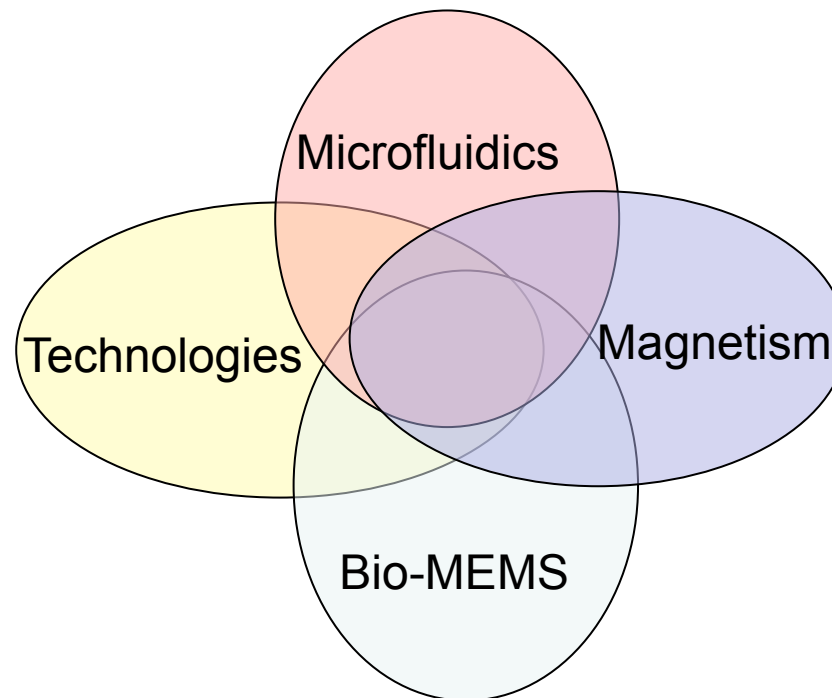


Laboratory of Microsystems 2

Prof. Martin Gijs



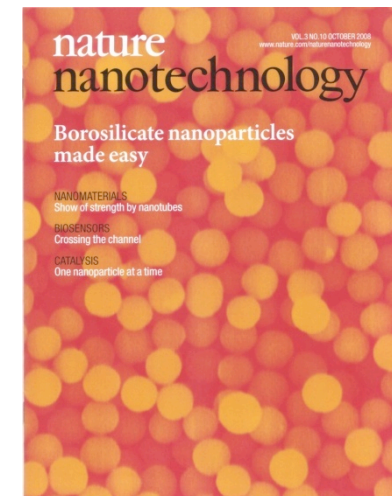
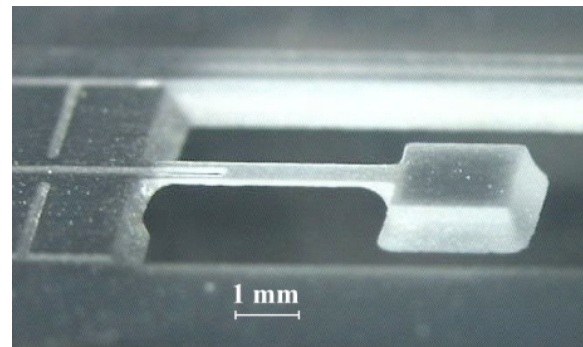
Research themes - Gijs

- **Microsystem technologies**

Clean room technologies

Sol-gel glass coating and nanoparticle technologies

Powder blasting microfabrication



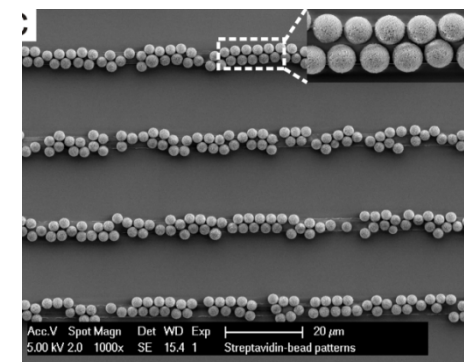
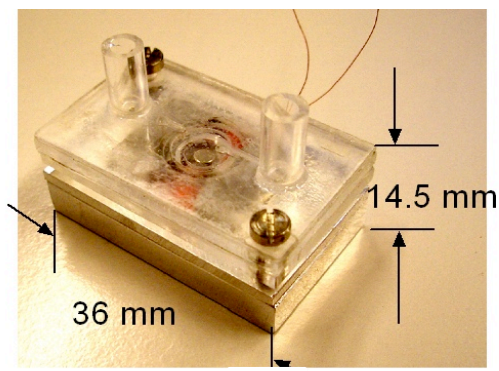
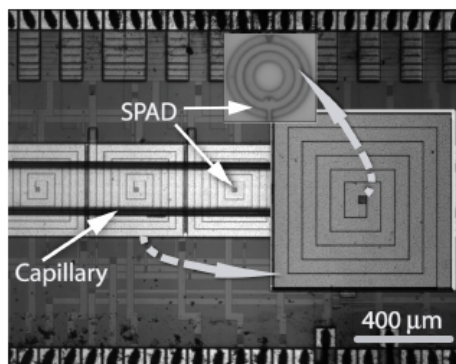
Research themes - Gijs

- **Microfluidics & magnetism**

Manipulation of magnetic micro- and nanoparticles

Magnetic actuation micropumps

Magnetic particle micropatterns on glass wafers



Research themes - Gijs

- **Bio-MicroElectroMechanical Systems**

DNA-chips using impedance detection

Cell voltage-clamp measurements on-chip
with rapid fluid exchange

Immuno-assays on magnetic
nanoparticles

