

GROEP	FUNCTIE	NAAM	EXPERTISE
<b>OB</b>	HGL	Prof.dr. K. Ito	BME/RMT/ME; Orthopaedic biomechanics intervertebral disk; biology + engineering; experimental + numerical
	UHD	Dr.ir. B. van Rietbergen	BME/ME; bone structure/function, engineering, experimental + numerical
	UD	Dr. M. Dias Castilho	BME/RMT/ME; processing; 3D printing & biofabrication; biomaterials; engineering cell microenvironments; bone (bio)engineering; experimental + numerical
<b>STEM</b>	HGL	Prof.dr. C.V.C. Bouten	BME/RMT; cell-matrix interaction in cardiovascular regeneration, regenerative medicine, tissue engineering, heart valves,
	UD	Dr. A. Smits	BME/RMT; immunomodulatory biomaterials, regenerative medicine, (in situ) tissue engineering, heart valve, vessel, mechanobiology, macrophages, in vitro models, bioreactors
	UD	Dr. N.A. Kurniawan	BME/RMT; cell behavior in response to biophysical and mechanical cues (using and making biomimetic cellular environments)
	UD	Dr. V. Conte	BME/RMT; mechanical biology and biomechanics of development and disease
<b>MMB</b>	UHD	Dr.ir. S. Loerakker	BME; mechanobiology, cardiovascular tissue growth, tissue remodeling, computational modeling
	UD	Dr. T. Ristori	BME; computational and mathematical modeling, mechanobiology, angiogenesis, tissue engineering
<b>BIS</b>	HGL	Prof.dr. J. de Boer	BME/RMT; biointerface science, cell biology, regenerative medicine, computational modelling, experimental biology
	UD	Dr. B. Gumuscu Sefunc	BME; microfabrication, lab-on-chip, screening, bio-interface science
<b>CB</b>	HGL	Prof.dr.ir. L. Brunsveld	BME/ME; chemical biology
	HGL	Prof.dr. V. Scharnhorst	ME; clinical chemistry
	UHD	Dr. C. Ottmann	BME; molecular cell and structural biology, small molecular moderation of protein protein interactions
	UD	Dr. F. Grisoni	BME; artificial intelligence; deep learning; drug discovery; chemical biology; medicinal chemistry; language modeling
<b>MOC</b>	HGL	Prof.dr. E.W. Meijer	BME; macro-organic chemistry
<b>BIOM</b>	HGL	Prof.dr.dr. P.Y.W. Dankers	BME/RMT; biomaterials
<b>PRE</b>	HGL	Prof.dr. M. Merkkx	BME; protein engineering, chemistry
<b>BOC</b>	HGL	Prof.dr.ir. J.C.M. van Hest	BME; bio-organic chemistry, nanomedicine, nanoreactors, artificial cells, polymer synthesis, protein engineering, self-
<b>MBMD</b>	HGL	Prof.dr.ir. M.W.J. Prins	BME; molecular biosensors for medical diagnostics
<b>N4N</b>	UHD	Dr. L. Albertazzi	BME; nanoscopy, nanomedicine, optical microscopy, nanomaterials
<b>PME</b>	HGL	Prof.dr. W.J.M. Mulder	BME; precision medicine
	UD	Dr. R. van der Meel	BME; nanotechnology, precision immunotherapy, immuno-imaging
<b>MIA</b>	HGL	Prof.dr. J.P.W. Pluim	BME/ME/MI; medical image analysis
	HGL	Prof.dr.ir. M. Breeuwer	BME/ME/MI; algorithms in clinical image analysis software
	UD	Dr.ir. A.J.E. Raaijmakers	BME/ME/MI; MR imaging
	UD	Dr. M. Veta	BME/ME/MI; digital pathology/deep learning
<b>CBIO</b>	HGL	Prof.dr.ir. N.A.W. van Riel	BME/ME; systems biology and medicine, metabolic disease modelling, artificial intelligence, data analysis and bioinformatics
	UD	Dr. D. Bosnacki	BME/ME; bioinformatics
	UD	Dr. F. Eduati	BME/ME; precision medicine in cancer, immuno-oncology, systems biology, mathematical modelling
	UD	Dr. S. D. O'Donovan	BME/ME; systems biology for immunology, personalized nutrition
<b>SBIO</b>	HGL	Prof.dr.ir. T.F.A. de Greef	BME; synthetic biology, DNA nanotechnology, both experimental (cloning, mammalian gene engineering, microfluidics) as well as theoretical (modeling of gene networks)
	UD	Dr.ir. A.J. Markvoort	BME; development and application of molecular simulations
<b>CVB</b>	HGL	Prof.dr.ir. F.N. van de Vosse	BME/ME; cardiovascular modelling, computational methods, fluid-structure interaction, uncertainty, hematology
	UD	Dr.ir. M.C.M. Rutten	BME/ME; vascular biomechanics, circulatory support, pre-clinical experimental evaluation medical devices, cardiovascular modelling
	UD	Dr.ir. P.H.M. Bovendeerd	BME/ME; cardiovascular modelling, remodelling (regulation and adaptation), cardiac mechanics, finite element modelling, lumped circulation models
<b>PULS</b>	UHD	Dr.ir. R.G.P. Lopata	BME/ME/MI; functional ultrasound, photo-acoustics, vascular and cardiac imaging, clinical applications, cardiovascular modelling
	UD	Dr. M. Wu	BME/ME/MI; photoacoustic imaging, tissue characterization, spectra unmixing
	UD	Dr. ir. H. Schwab	BME/ME/MI; ultrasound imaging, image acquisition and reconstruction, simulation, physical wave models

Afkortingen afstudeergroepen of specialisatierichtingen:

OB orthopaedic biomechanics, STEM soft tissue engineering and mechanobiology, MMB modeling in mechanobiology, BIS bio-interface science, CB chemical biology, MOC macro-organic chemistry, BIOM biomedical materials, PRE protein engineering, BOC bio-organic chemistry, MB molecular biosensors for medical diagnostics, N4N nanoscopy for nanomedicine, PME precision medicine, MIA medical image analysis, CBIO computational biology, SBio synthetic biology, CVB cardiovascular biomechanics, PULS photoacoustics