Welcome

Ed Koster

Operational manager Radboud Research Facilities

Innovation Matchmaking Event Presentation

January 15th 2018
Help users to find the right Radboud expertise to answer the user’s need by providing an integrated technological infrastructure.
Radboud Research Facility

• The Radboud Research Facility is the platform in which we plan to establish Radboud Campus Contract Research in the future.

• Our partners are: Radboudumc, the Faculty of Social Sciences, Dondersinstituut, the Faculty of Science, Faculty of Management and Faculty of Humanities, University for Applied Sciences and 60 companies (including small and mid-sized businesses)

**GOAL:** We plan to open our combined laboratory facilities to businesses and other learning institutions.
Humanities

The Humanities facility offers services for language studies and research into decision making processes and social progress. Besides research, Humanities offers excellent facilities for electronic meetings, also companies and organizations can make use of programs assisting in complex decision making.
Biochemical Screening

The *biochemical screening* facility offers possibilities for medicine development, clinical validation of biomarkers, therapy development, and the analysis and development of molecules for (nano-)medicines. Possible applications include the use of mass spectrometry, next-generation sequencing and the Nanomedicine Valorisation lab.

For additional mass spectrometry services, visit the [Radboud Technology Centers website](http://www.ru.nl/radboudresearchfacilities/english/facilities/biochemical/).
Biomedical Imaging

The Radboud university medical center is investing in three high-tech operating rooms that will be available to companies as an open, innovative facility. It is, for example, possible to research the (cost) effectiveness of new techniques and facilities. MRI-guided therapeutic apparatus and navigation equipment are available in order to perform surgery in an highly advanced computer-based manner.

For additional imaging services, visit the Radboud Technology Centers website.
Neurology and Motion

The neurology and motion facility offers wide-ranging possibilities regarding research to sensory motor integration of top athletes, healthy individuals, and individuals with a neurological disorder. Employing NIRS-EEG facilities makes it possible to research brain activity in a broad target group under very diverse circumstances. The 3-Tesla MRI scanner can also be used to provide insight into connectivity patterns in the brain. Additionally, there are advanced experimental animal facilities for behavioural research of psychiatric disorders.

For more information about the Translational Neuroscience Unit, visit the Radboud Technology Centers website.
Health Supercomputing

With the health supercomputing facility, all genetic information of a patient can quickly be mapped for application in health care. The use of high-performance computer facilities additionally takes the application of Digital Security and Big Data projects in healthcare a step further.
Nano- and Microbiology

The nano- and microbiology facility provides the possibility to measure very small concentrations of sulphur, carbon, and nitrogen for the purpose of, for example, climate, soil, water, and energy research. Additionally, advanced analysis systems are available that can be used for green water purification in combination with energy generation.

For additional microscopy services, visit the Radboud Technology Centers website or General Instrumentation.
Energy and Sustainability

The energy and sustainability facility offers possibilities to achieve a higher return from the solar cells. We are also working together with several companies for the usage of these cells in space travel and high-end consumer products. Finally, the team is in the possession of other facilities and expertise for outdoor analyses.

For more information about the facility solar cell proof of concept line, click here.
What we can offer:

• Easy access to facilities and knowledge
• Use of measurement and research equipment
• Validating research
• Solutions from simple measurements to complex research
• Multidisciplinary approach to innovative challenges
Some examples: Biomarker validatie massa spectrometer
Some examples: Vestibulair Chair
Some examples: NIRS-EEG
Some examples: Electronenmicroscoop JEOL TEM 2100
Onze mensen

Wie zijn wij?

Radboud Research Facilities is een samenwerking tussen de Radboud Universiteit, het Radboudumc en het Donders Institute for Brain, Cognition and Behaviour.

Ed Koster, operationeel manager Radboud Research Facilities

Ed Koster verzorgt de centrale coördinatie van de Radboud Research Facilities. Wilt u gebruik maken van apparatuur, faciliteiten, kennis en expertise of heeft u vragen, neem dan contact met hem op:
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Prof. dr. Alain van Gool, Radboudumc Technology Centers

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Berend Geurts, Donders Instituut

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Maaike Rengers, Donders Instituut

Maaike Rengers is ook verantwoordelijk voor de faciliteiten neuro and motion binnen het Donders Instituut.
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Innoevoer door samen te werken met de wetenschap!

De stap van natuurwetenschappelijke en medische kennis naar een concreet product is niet altijd eenvoudig. Innovaties in bijvoorbeeld medicijnen en diagnostiek, energieproductie en waterzuivering vragen om de inzet van geavanceerde apparatuur. Vooral voor startende en jonge bedrijven zijn investeringen in deze apparatuur niet haalbaar. Radboud Research Facilities biedt ondernemers deze unieke onderzoeksfaciliteiten.

Showcases
- Typen met je brein op Lowlands
  13 december 2017
- Hoe kun je met de Optotrac elke vorm van bewegen verbeteren?
  20 december 2016
- Optotrac, gaming en een herseninfarct: haat, liefde of gelukkige combinatie?
  20 december 2016
- De nieuwste microscopen van Radboud Research Facilities laten zien hoe tumoren vormen, uitzaaien, nieuwe tumoren vormen en zelfs therapeuten weerstaan
  19 december 2016
- De touchscreen kooi met ratten en muizen helpt bedrijven om drugs en diëten voor mensen te testen
  19 december 2016
- Profiel: Dennis Schutter
  21 oktober 2015
- Alle showcases

More details? www.radboudresearchfacilities.nl
Q&A

You have Questions

We have Answers