

Welcome

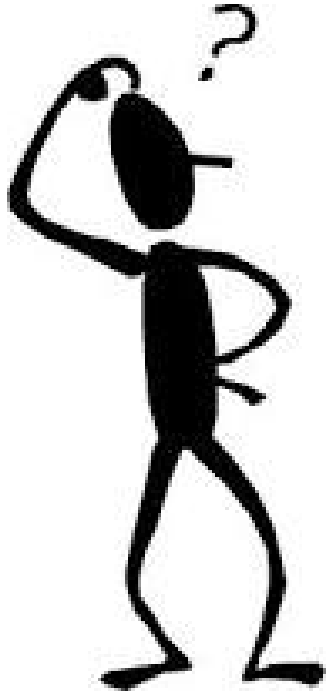
Ed Koster

Operational manager Radboud Research Facilities

Innovation Matchmaking Event Presentation

January 15th 2018

Objective Radboud Research Facilities



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 - Radboud R x

www.ru.nl/radboudresearchfacilities/english/facilities/humanities/

Apps Welcome - Radboud Dirkjan home - Toos & Henk Koopwoningen Horst Aanmelden bij Linked Presale huizen - Start Gebruikte computers Grantfinder — Nuffic

Radboud Research Facilities

HOME RADBOUD RESEARCH FACILITIES FACILITIES SHOWCASES

[Radboud Research Facilities](#) > [Facilities](#) > [Humanities](#)

> Humanities

- > Humanities Lab
- > VISA Skills Lab
- > Decision Making Lab
- > Maptable

> Biochemical Screening


> Biomedical Imaging

> Neurology and Motion

> Health Supercomputing


> Nano- and Microbiology

> Energy and Sustainability



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 - x

www.ru.nl/radboudresearchfacilities/english/facilities/biochemical/

Apps Welcome - Radboud Dirkjan home - Toos & Henk Koopwoningen Horst Aanmelden bij Linked Presale huizen - Start Gebruikte computers Grantfinder — Nuffic

Radboud Research Facilities

HOME RADBOUD RESEARCH FACILITIES FACILITIES SHOWCASES


Radboud Research Facilities > Facilities > Biochemical Screening

- > Humanities
- > **Biochemical Screening**
 - > NMR facility
 - > Triple quadrupole mass spectrometer UPLC/HPLC
 - > Orbitrap-Fusion mass spectrometer
 - > Biomarker validation mass spectrometer
 - > PANalytical Empyrean powder diffractometer
 - > D8 Quest single crystal X-ray diffractometer
 - > Nanomedicine valorisation lab
 - > Next-generation sequencing
- > Biomedical Imaging
- > Neurology and Motion
- > Health Supercomputing

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](#).



Biomedical Imaging - Rad

www.ru.nl/radboudresearchfacilities/english/facilities/biomedical-imaging/

Apps Welcome - Radboud Dirkjan home - Toos & Henk Koopwoningen Horst Aanmelden bij Linked Presale huizen - Start Gebruikte computers Grantfinder — Nuffic

Radboud Research Facilities

HOME RADBOUD RESEARCH FACILITIES FACILITIES SHOWCASES

Radboud Research Facilities > Facilities > Biomedical Imaging

> Humanities

> Biochemical Screening

> **Biomedical Imaging**

> MITeC Operating rooms

> Neurology and Motion

> Health Supercomputing

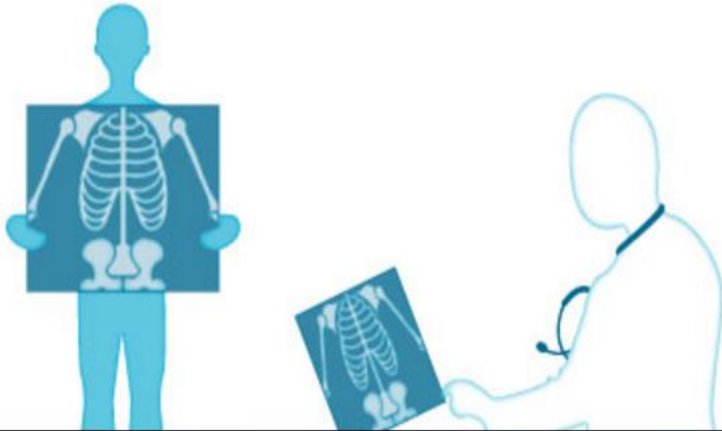
> Nano- and Microbiology

> Energy and Sustainability


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](#).



f g+ in t



Neurology and Motion - x

www.ru.nl/radboudresearchfacilities/english/facilities/neurology-and-motion/





Apps Welcome - Radboud Dirkjan home - Toos & Henk Koopwoningen Horst Aanmelden bij Linked Presale huizen - Start Gebruikte computers Grantfinder — Nuffic

Radboud Research Facilities

HOME RADBOUD RESEARCH FACILITIES FACILITIES SHOWCASES

Radboud Research Facilities > Facilities > Neurology and Motion


- > Humanities
- > Biochemical Screening
- > Biomedical Imaging
- > **Neurology and Motion**
 - > Optotrak EEG BiStim TMS
 - > NIRS-EEG
 - > Vestibular chair
 - > Touch screen cages
 - > Prisma Fit MRI
 - > Mobile auditory lab
- > Health Supercomputing
- > Nano- and Microbiology
- > Energy and Sustainability



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

www.ru.nl/radboudresearchfacilities/english/facilities/health/

Apps Welcome - Radboud Dirkjan home - Toos & Henk Koopwoningen Horst Aanmelden bij Linked Presale huizen - Start Gebruikte computers Grantfinder — Nuffic

Radboud Research Facilities

HOME RADBOUD RESEARCH FACILITIES FACILITIES SHOWCASES

Radboud Research Facilities > Facilities > Health Supercomputing

> Humanities

> Biochemical Screening

> Biomedical Imaging

> Neurology and Motion

> Health Supercomputing

> High performance computing facilities

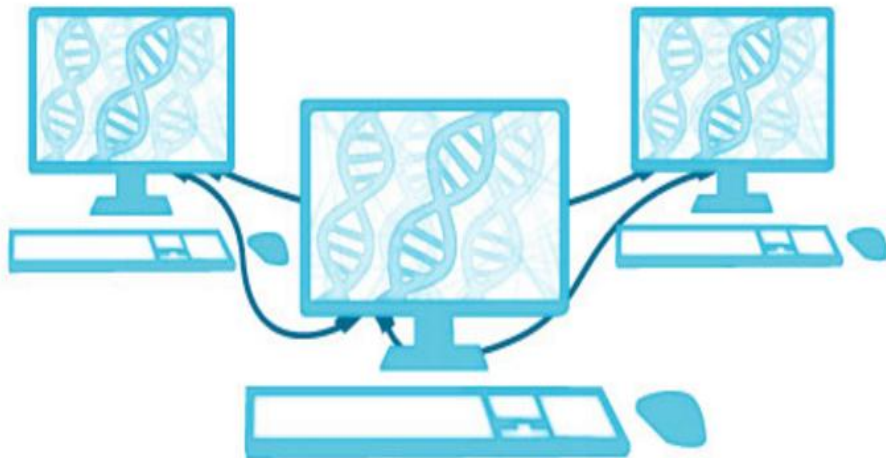
> Clinical genome sequencing

> Nano- and Microbiology

> Energy and Sustainability

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.



f g+ in t



Radboud Research Facilities

[HOME](#)[Radboud Research Facilities](#)[FACILITIES](#)[SHOWCASES](#)[Radboud Research Facilities](#) > [Facilities](#) > [Nano- and Microbiology](#)> [Humanities](#)> [Biochemical Screening](#)> [Biomedical Imaging](#)> [Neurology and Motion](#)> [Health Supercomputing](#)> [Nano- and Microbiology](#)> [Transmission electron microscope \(TEM\)](#)> [IRMS mass spectrometer](#)> [Energy and Sustainability](#)

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](#).





Radboud Research Facilities

[HOME](#)[RADBOUD RESEARCH FACILITIES](#)[FACILITIES](#)[SHOWCASES](#)[Radboud Research Facilities](#) > [Facilities](#) > [Energy and Sustainability](#)[> Humanities](#)[> Biochemical Screening](#)[> Biomedical Imaging](#)[> Neurology and Motion](#)[> Health Supercomputing](#)[> Nano- and Microbiology](#)[> **Energy and Sustainability**](#)[> Solar cell proof of concept line](#)

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.

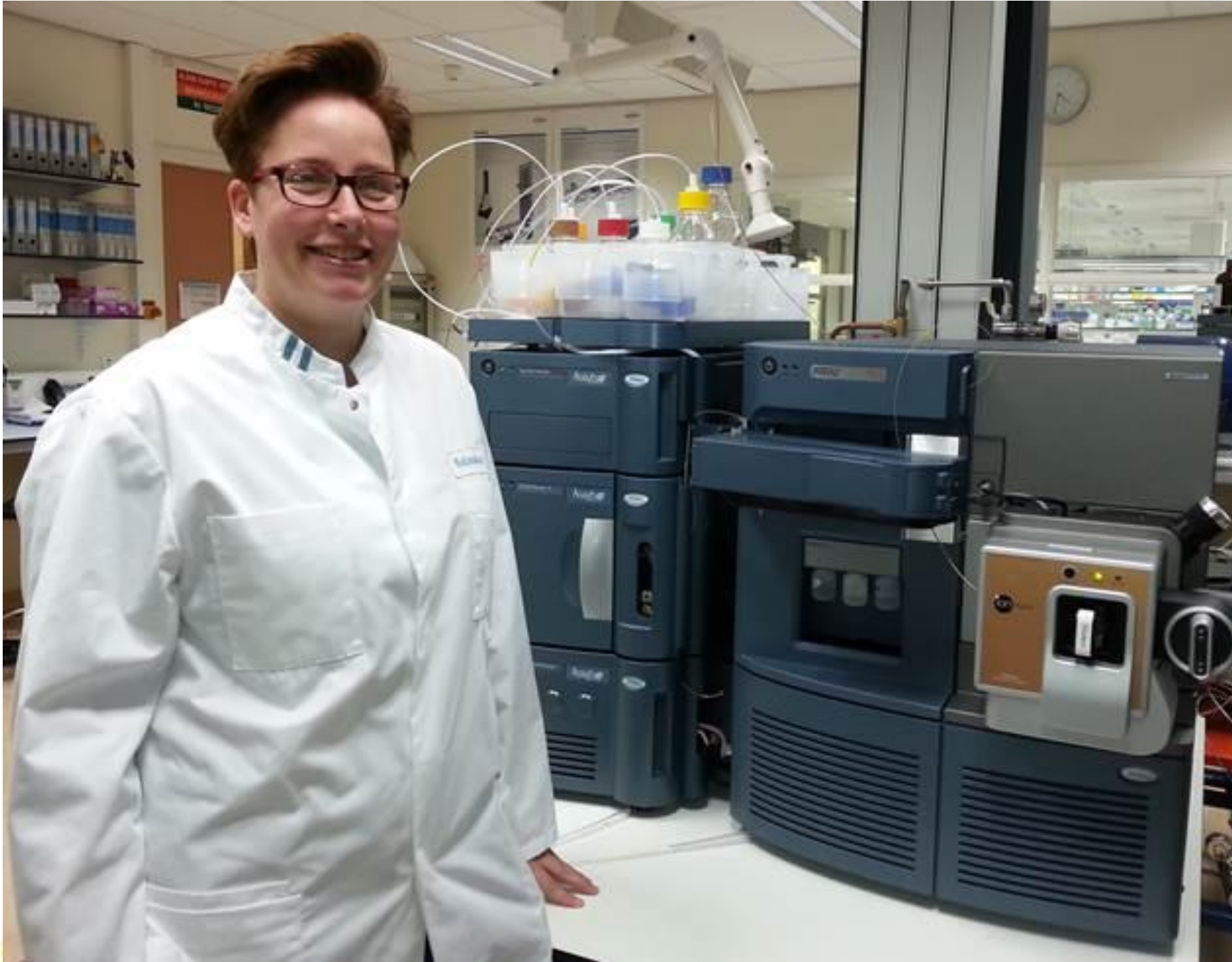
For more information about the facility *solar cell proof of concept line*, click [here](#).



What we can offer:

- Easy access to facilities and knowlegde
- Use of measurement and research equipment
- Validating research
- Solutions from simple measurements to complex research
- Multidisciplinary appoach to innovative challanges

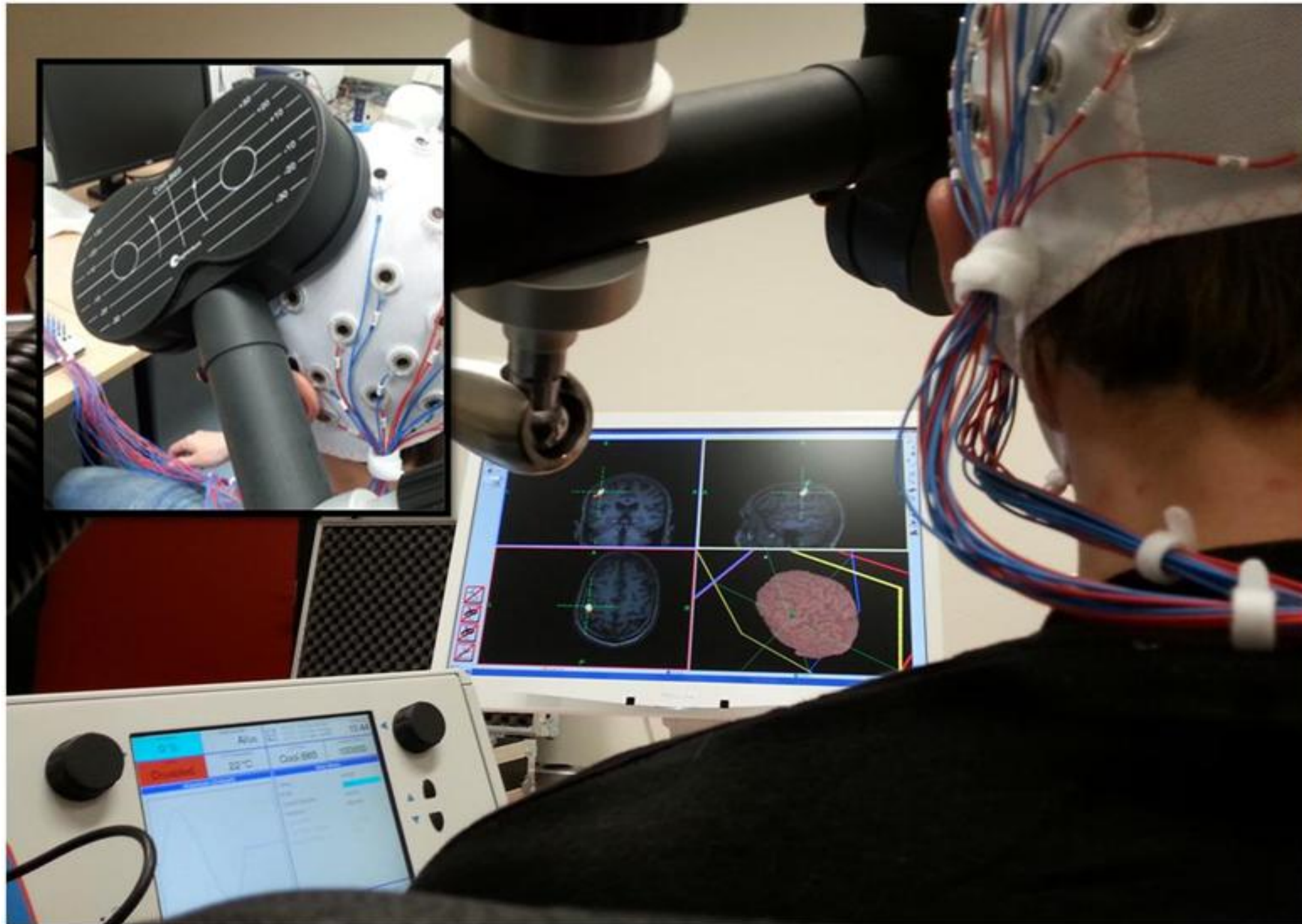
Some examples: Biomarker validatie massa spectrometer



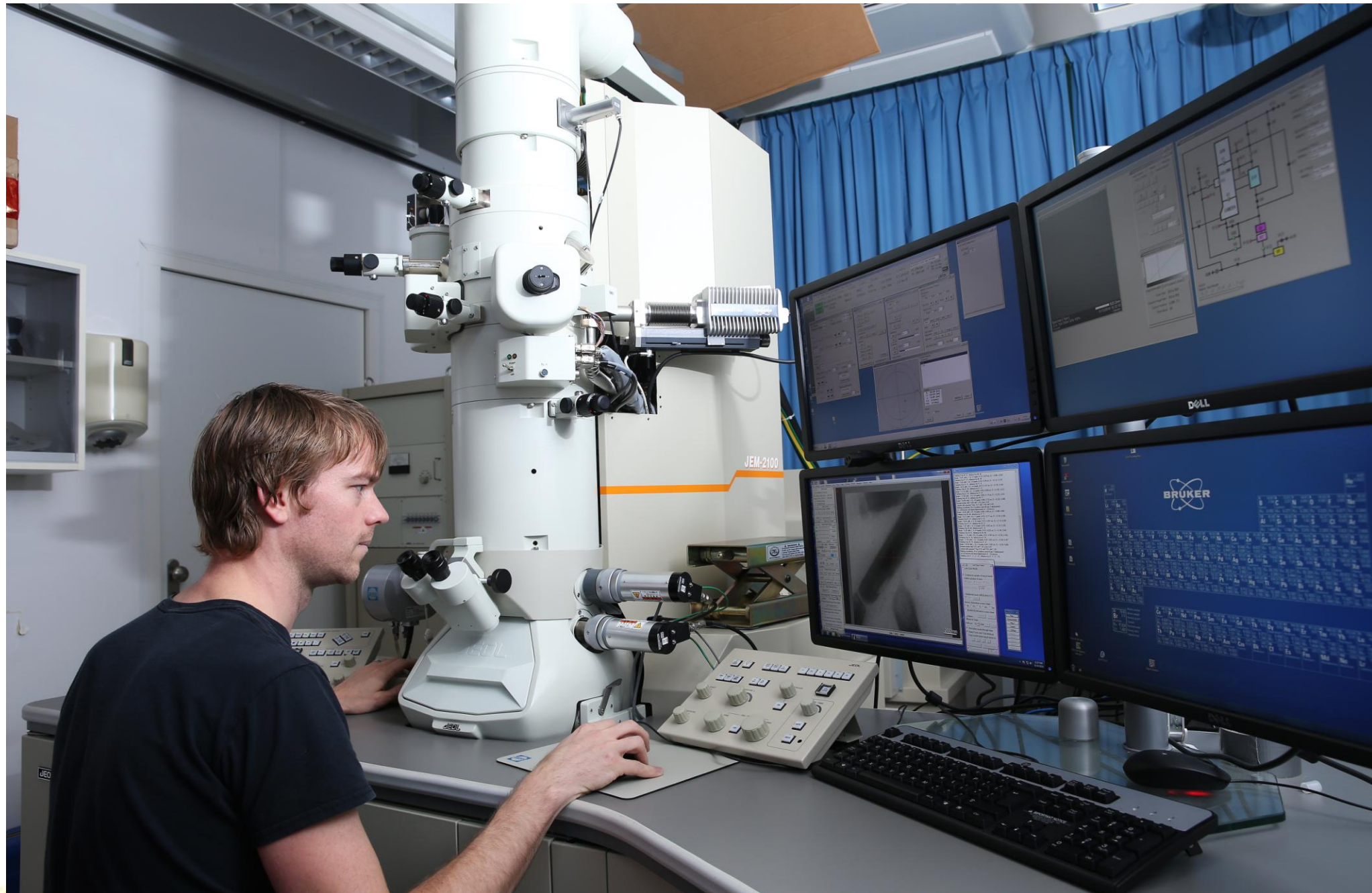
Some examples: Vestibular Chair



Some examples: NIRS-EEG



Some examples: Elektronenmicroscop JEOL TEM 2100



RRF team

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:

T: +31 24 365 26 17

E: info@radboudresearchfacilities.nl



Prof. dr. Alain van Gool, Radboudumc Technology Centers

[Alain van Gool](#) is verantwoordelijk voor de Radboudumc technology centers.

T: +31 24 361 44 28

E: alain.vangool@radboudumc.nl



Berend Geurts, Donders Instituut

[Berend Geurts](#) is verantwoordelijk voor de faciliteiten neuro and motion die geplaatst zijn bij het Donders Instituut.

T: +31 24 361 06 50

E: b.geurts@donders.ru.nl




Maaïke Rengers, Donders Instituut

[Maaïke Rengers](#) is ook verantwoordelijk voor de faciliteiten neuro and motion binnen het Donders Instituut.


T: +31 24 361 26 27


E: m.rengers@donders.ru.nl

More details? www.radboudresearchfacilities.nl



Radboud Universiteit

Contact  English


Zoeken 

Radboud Research Facilities

HOME RADBOUD RESEARCH FACILITIES FACILITEITEN SHOWCASES MEDIA








Innoveer 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.



Radboud Research Facilities

Faciliteiten

- 
Humanities
- 
Biochemical Screening
- 
Biomedical Imaging
- 
Neurology and Motion
- 
Health Supercomputing
- 
Nano- and Microbiology
- 
Energy and Sustainability

Showcases

- > Typen met je brein op Lowlands
13 december 2017
- > Hoe kun je met de Optotrak elke vorm van bewegen verbeteren?
20 december 2016
- > Optotrak, gaming en een herseninfarct: haat-liefde of gelukkige combinatie?
20 december 2016
- > De nieuwste microscopen van Radboud Research Facilities laten zien hoe tumorcellen losraken, uitzaaien, nieuwe tumoren vormen en zelfs therapieën 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**

Q&A

You have

Questions

We have

Answers