

EVAREVA

**Physical and Rehabilitation Medicine Department
University and University Hospital of Liège
Belgium**

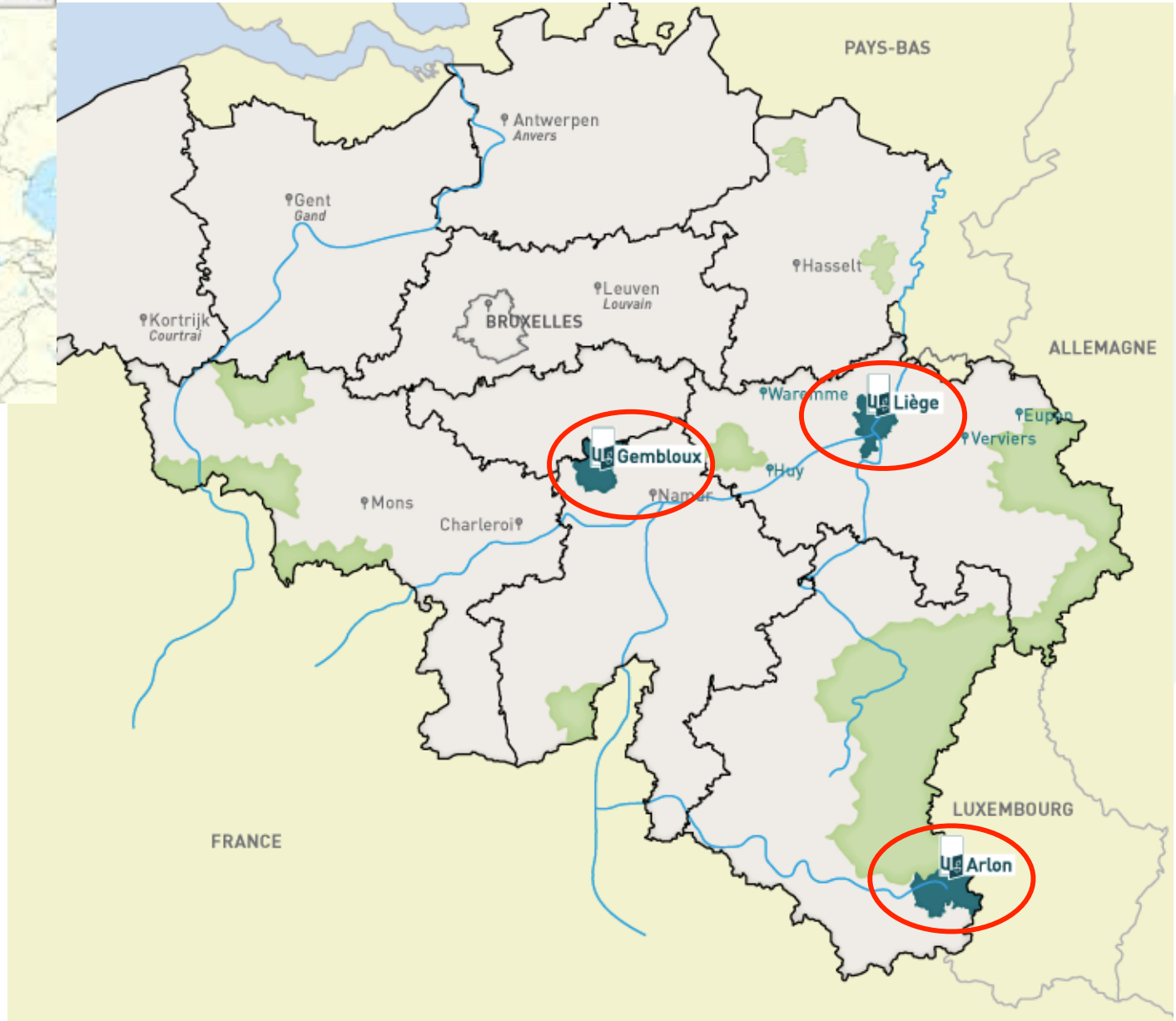
Prof Jean-François KAUX



@JFKaux



State University of Liège

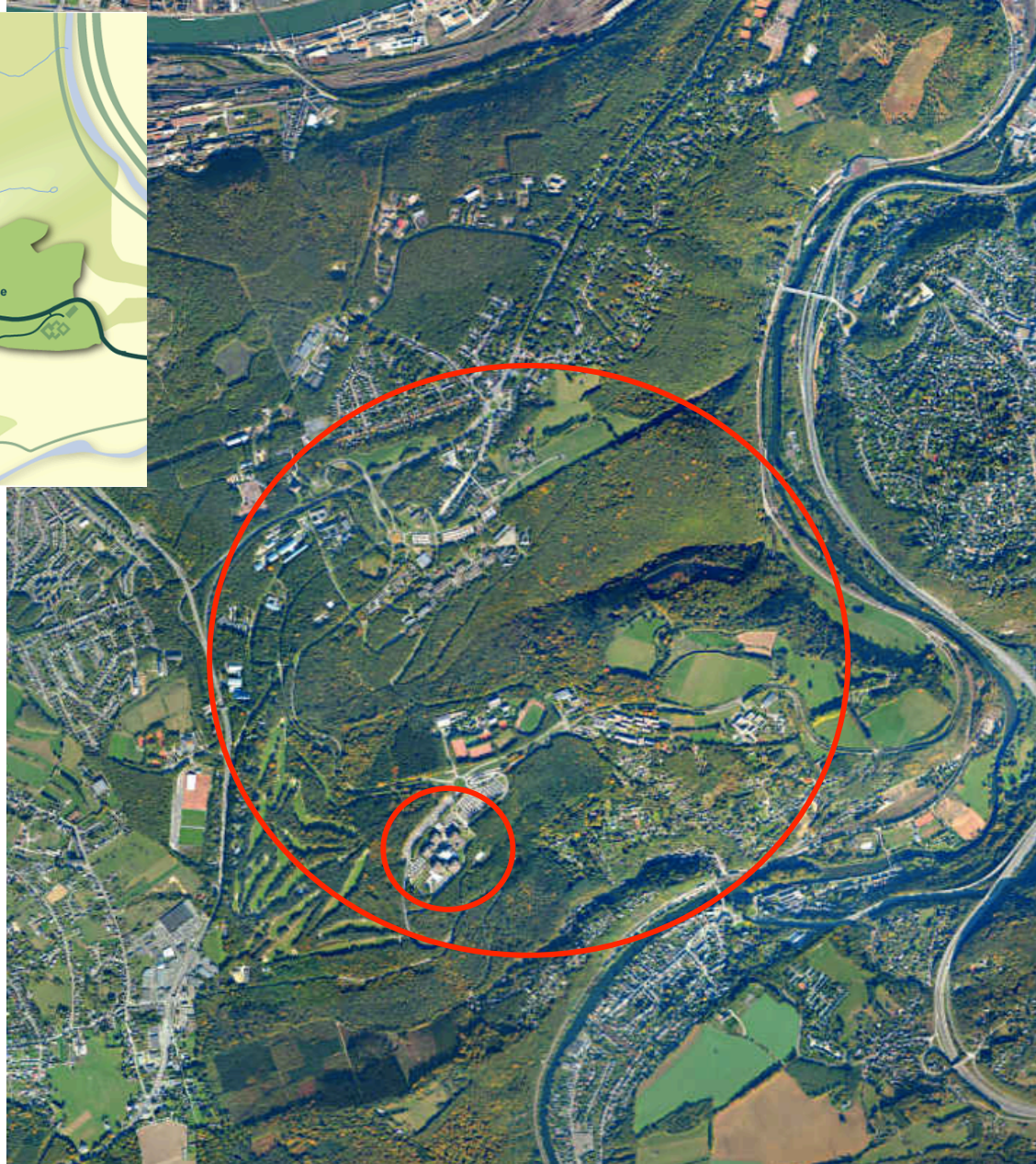
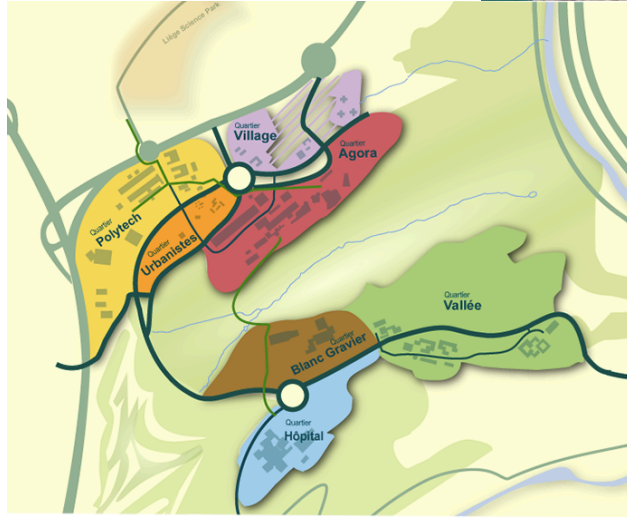


State University of Liège

- Founded by Wilhem the First of Orange in 1817



- 25,000 students spread out over 11 faculties
- 530 research units - 1,500 researchers



University Hospital of Liège (CHU)

- Built in 1987
- New building for oncology and labs
- Renovation of policlinics



- 985 beds (40 for rehabilitation)
- 5,400 workers (800 MD)

- >40,000 consultations/year
- +/-250 workers
- 14 senior PRM
- 5 external PRM consultants
- 1 senior geriatrician (former rheumatologist)
- 1 external neurologist consultant
- 1 external rheumatologist consultant
- 1 external sports medicine consultant
- 7 trainees
- 1 study nurse
- >200 paramedicals: physiotherapists, occupational therapists, speech therapists, neuro-psychologists, psychologists, educator...

Training Centre of PRM



Main sectors

Ward rehabilitation
(loco and neuro)

Electrophysiology

Bone metabolism

Cardiac rehabilitation
(outpatients)

Sports
(traumatology,
parasports...)

Elderly rehabilitation

Onco rehabilitation
(in and out patients)

Spine clinic

Pediatric rehabilitation
(scoliosis)

FIFA Medical Centre of Excellence



Clinical excellence

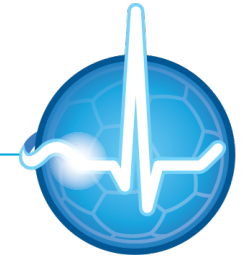
Research excellence

Teaching excellence

FIFA Medical Centre of Excellence



FIFA Medical Centres and Clinics of Excellence

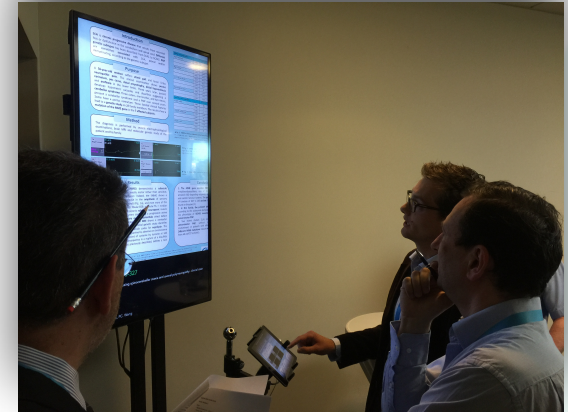


- Zurich '05
- Auckland '07
- Johannesburg '07
- Kawasaki '07
- Munich '07
- Santa Monica '07
- Doha '08
- Oslo '08
- Regensburg '08
- Bologna '09
- Saarbrücken '09
- Sao Paulo '09
- Algiers '10
- Durham '10
- Prague '10
- Zeist '10
- Brugge '10
- Budapest '10
- Rome '10
- Stockholm '10
- Guadalajara '10
- Cardiff '12
- Bangkok '12
- Melbourne '12
- Lyon '12
- Barcelona '12
- Brasilia '12
- Clairefontaine '12
- Istanbul '12
- Pachuca '12
- Porto '12
- Innsbruck '13
- St. Georges Park '13
- Murcia '13
- New York '13
- Tokyo '13
- Kobe '14
- Warsaw '14
- Madrid '14
- London '14
- Poznan '14
- Tehran '15
- Kosice '15
- Dubai '15
- Sofia '15
- Maribor '15
- Montreal '16
- Vancouver '16
- Stellenbosch '16
- Liège '16

Fields of research

- Sports
- Motion analysis —> LAMH
- Isokinetic
- Tendon - tendinopathy
- Elderly (bone metabolism, joint, muscle)
- Spine
- Electrophysiology
- Rehabilitation
- Algo-functional scores
- ...

10 PhD students



>20 papers / an

orbi.uliege.be

Sports

Shoulder

Return to play

Motion analysis

Ankle

Prevention

Nutrition



Prof JL Croisier & B Forthomme
Dr L Stevens
C Schwartz
F Delvaux - J Paulus - Y Zahraoui...

Isokinetic

Pre-clinical (animal) and clinical trials

Evaluation

Prevention

Treatments

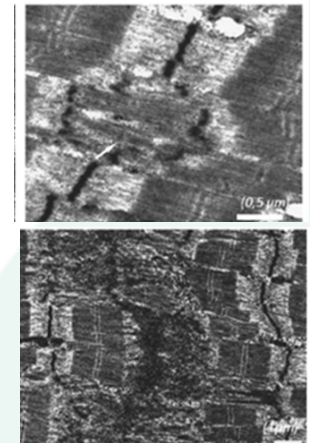
DOMS



Prof JL Croisier



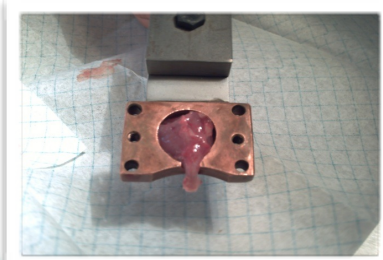
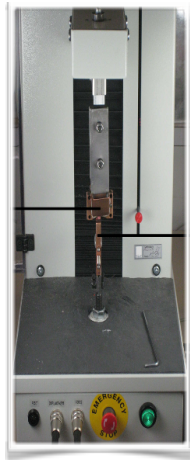
In collaboration with Neurosciences Department
Prof B Rogister



Tendons

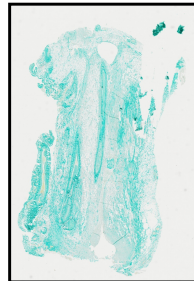
Pre-clinical (animal) and clinical trials

Physiology



Prof JF Kaux

Tendinopathy



Treatments



In collaboration with Engineering Department
Prof V Denoël
and Animal Facilities
Prof P Drion

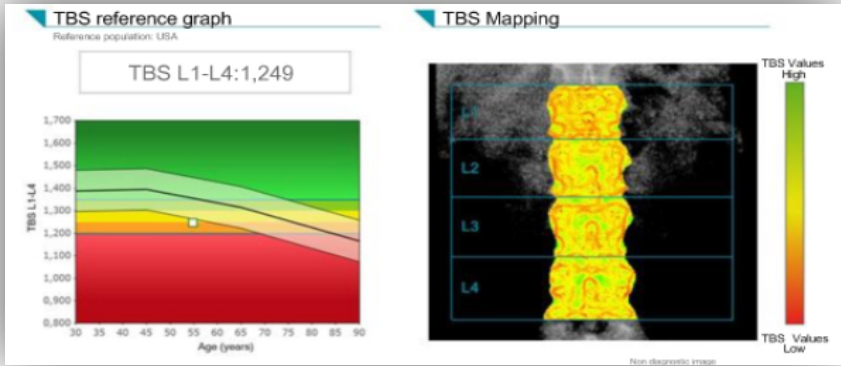
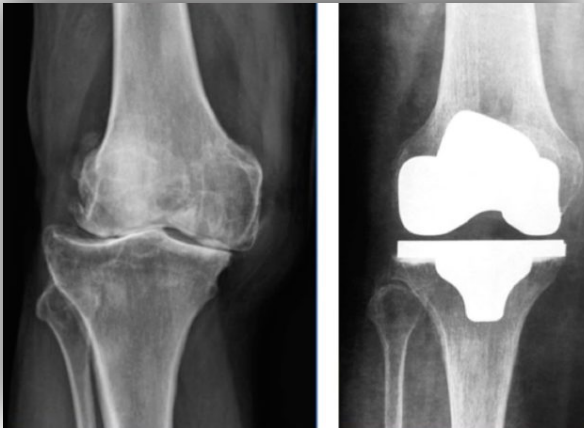


Elderly

Osteo-arthritis

Osteoporosis

Sarcopenia



Questionnaire | Time: 10 min

SarQoL
Sarcopenia and Quality of Life

Quality of life in sarcopenia

This questionnaire asks about sarcopenia, which is a muscle weakness that comes about with aging. Sarcopenia can affect your daily life. This survey will enable us to find out if the state of your muscles currently affects your quality of life.

Please choose the most appropriate response for each question. The questionnaire should take you approximately 10 minutes to complete.

1. Do you currently feel you have a reduction in:

	Not	Some	A little	None
The strength in your arms?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The strength in your legs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your muscle mass?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your energy?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your physical capabilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your general flexibility?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Do you have pain in your muscles?

Often

Sometimes

Rarely

Never

Prof JY Reginster
Dr A Neuprez

In collaboration with Public Health Department
Prof O Bruyère

Spine Chronic pain

Evaluation

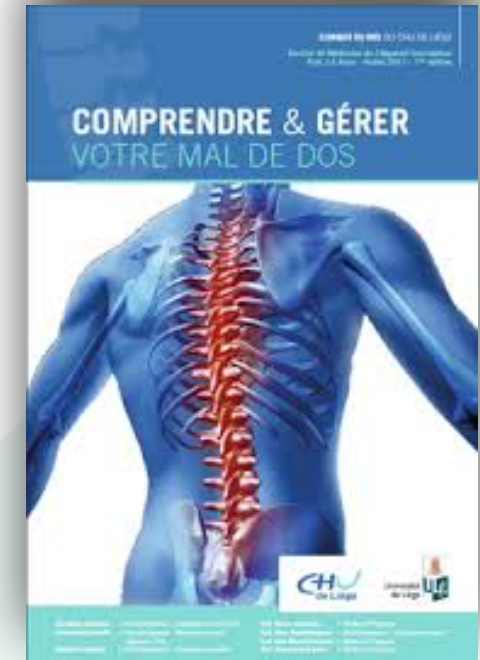


Spine clinic



Treatments

Scoliosis



Prof M Vanderthommen - M Tomasella

Dr S Bethlen

C Demoulin - S Grosdent - T Fettweis - PR Somville - S Wolfs

Electrophysiology ENMG

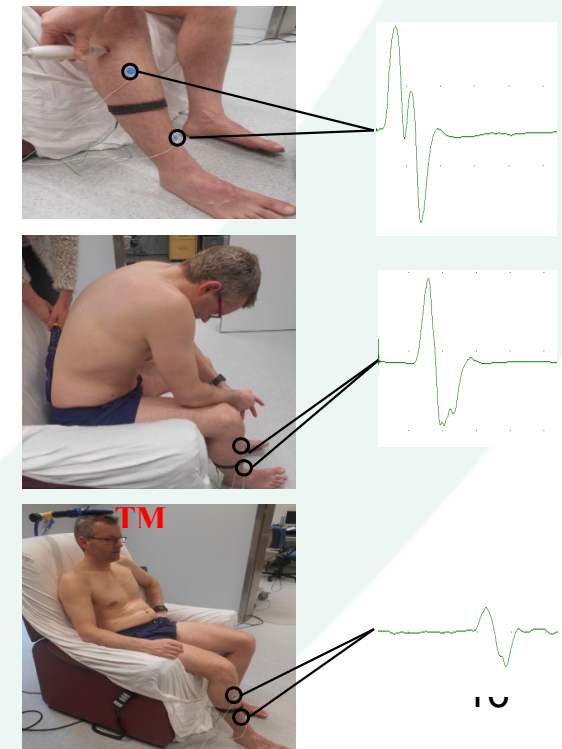
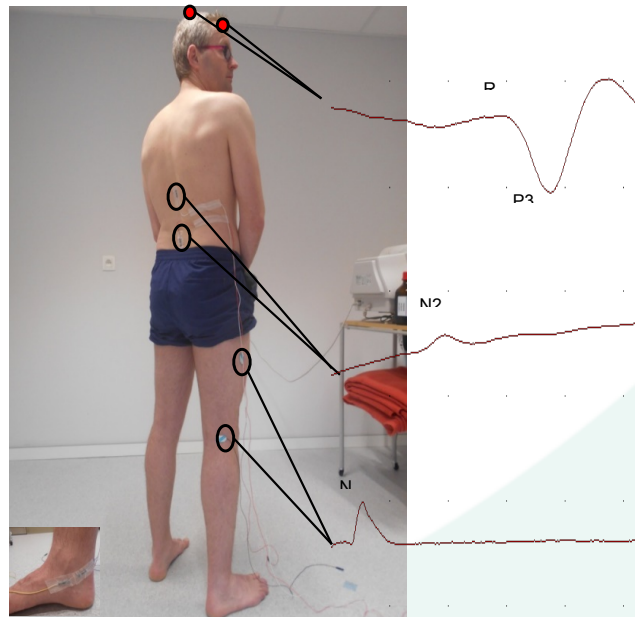
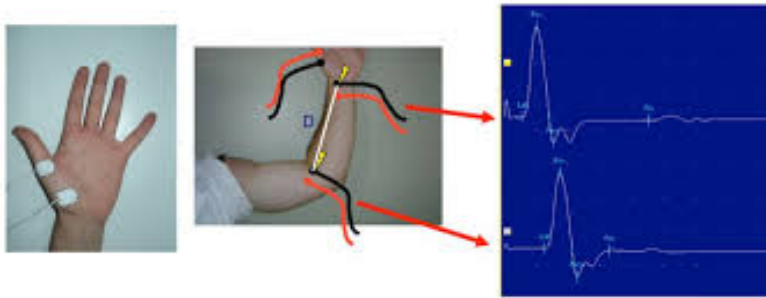
Motor
unit
number
estimate

Inherited
neuropathies

Peripheral
nervous
excitability

DOMS

Multiple
sclerosis



Dr F Wang
X Giffroy

Rehabilitation

Oncology

tDCS - Stroke

Amputees

Rehabilitation
technologies



AF Leclercq
S Bornheim
Dr D Pelzer

collaboration with Neurology Department
Prof P Maquet

Algo-functional scores

Translations and validations

STarT Back Screening Tool

VISA-A

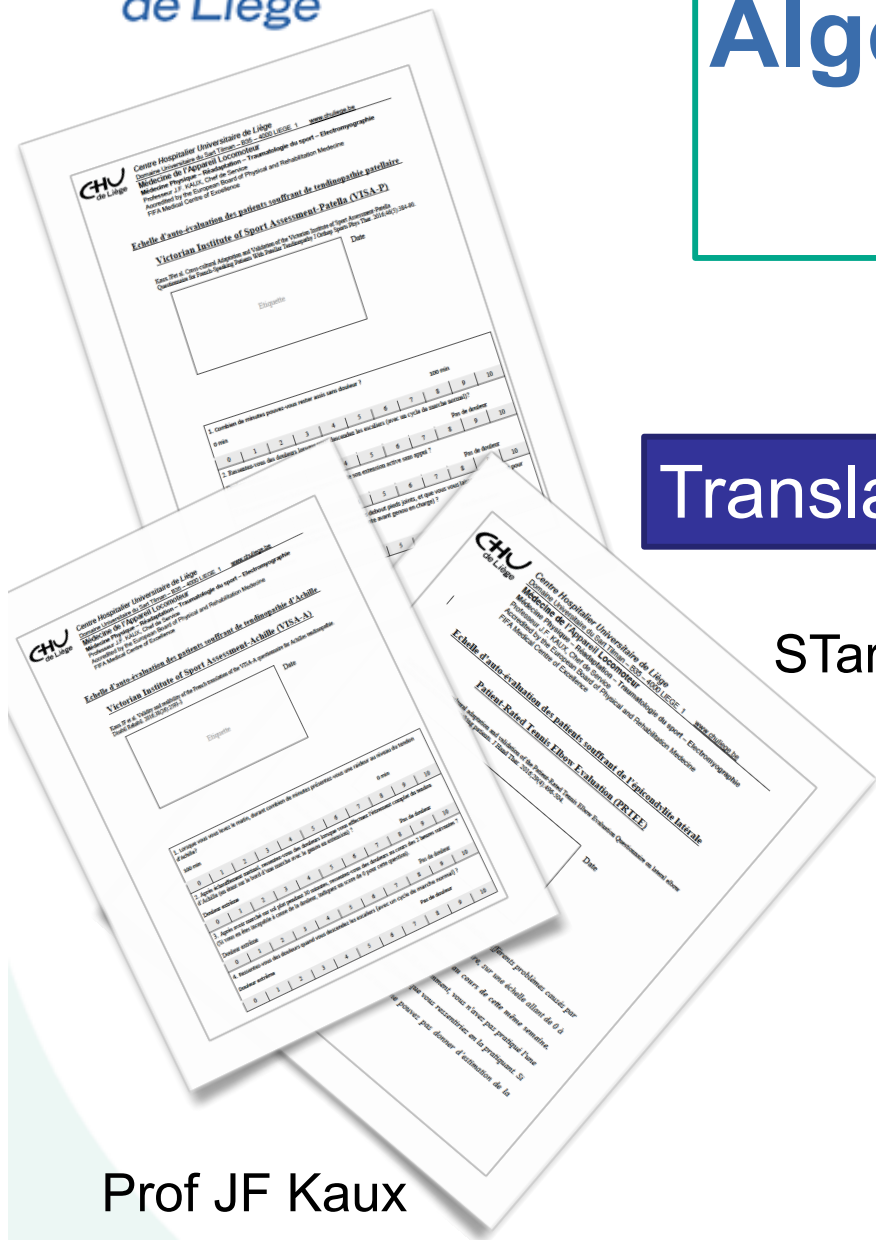
VISA-P
PRTEE

AKPS

...

Prof JF Kaux
C Demoulin

In collaboration with Public Health Department
Prof O Bruyère



Research grants or financial resources

InterReg - Euregio Meuse-Rhine
Léon Frédéricq fund
Lejeune-Lechien fund
Désiré Jaumain Fund
ADEPS grant
Dr Delrée - AMLg Prize
...





**Thank you
for your attention**

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