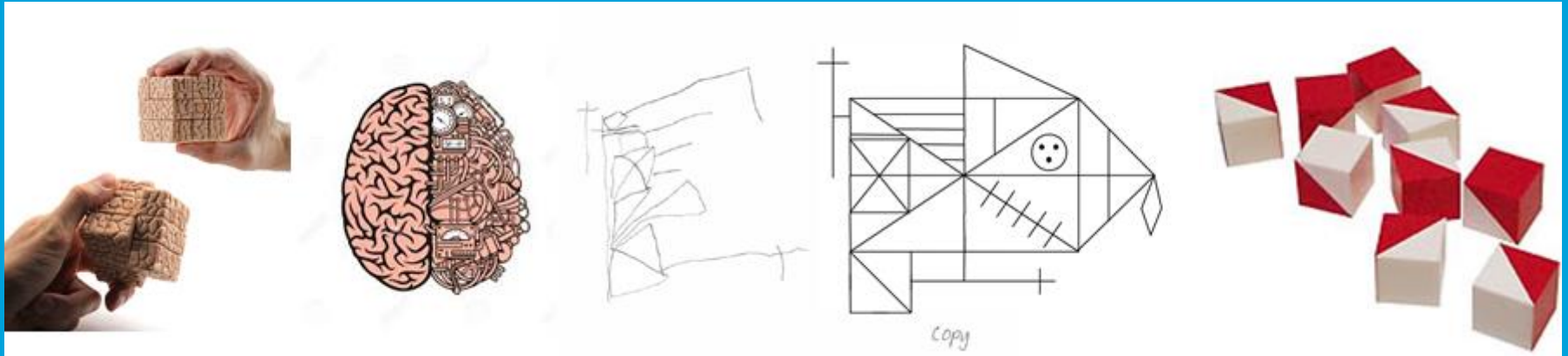


# Rma Neuropsychology specialization



Sven Stapert

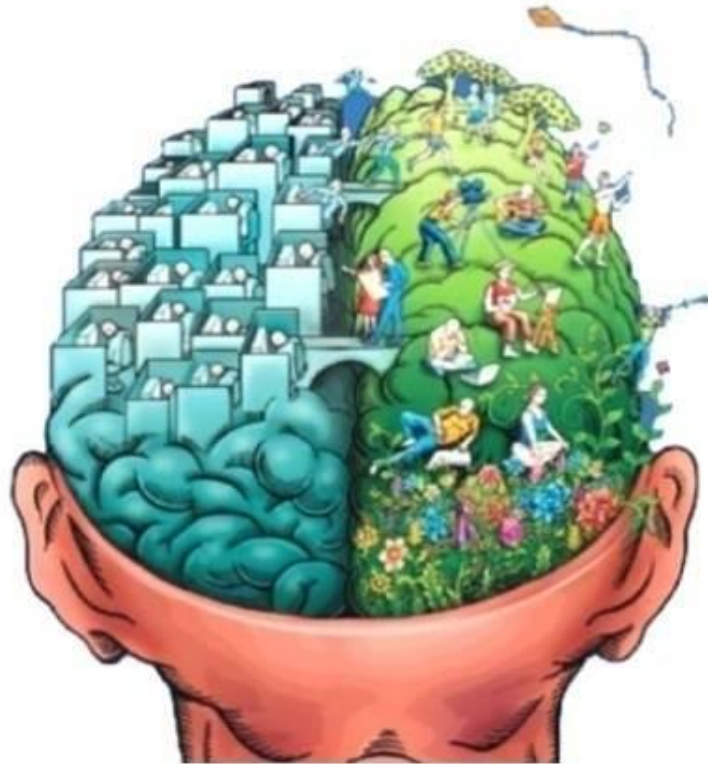
Faculty of Psychology and Neuroscience  
Dept of Neuropsychology and  
Psychopharmacology

Room 2.761; UNS40; Tel: 0433881912;

[s.stapert@maastrichtuniversity.nl](mailto:s.stapert@maastrichtuniversity.nl)



# Neuro-Psychology?



**a specialist in cognition and behaviour  
Scientist-Practitioner**



# Neuropsychology

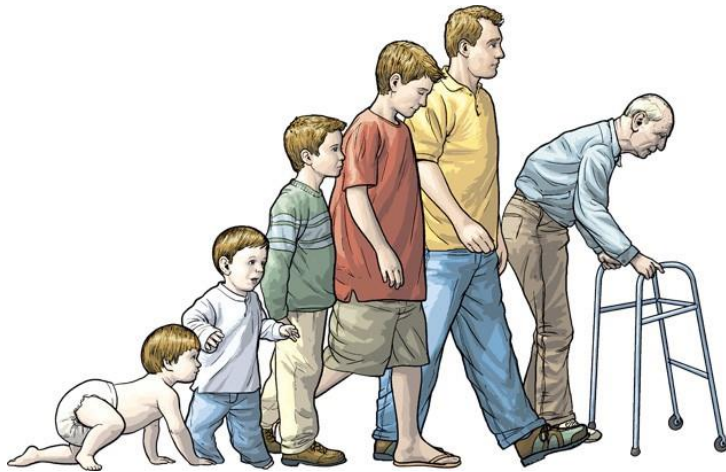
## Brain and Behaviour



Study of brain behaviour relationship(s)  
trying to understand how the human brain processes information  
that result in psychological processes and behaviour

# Neuropsychology

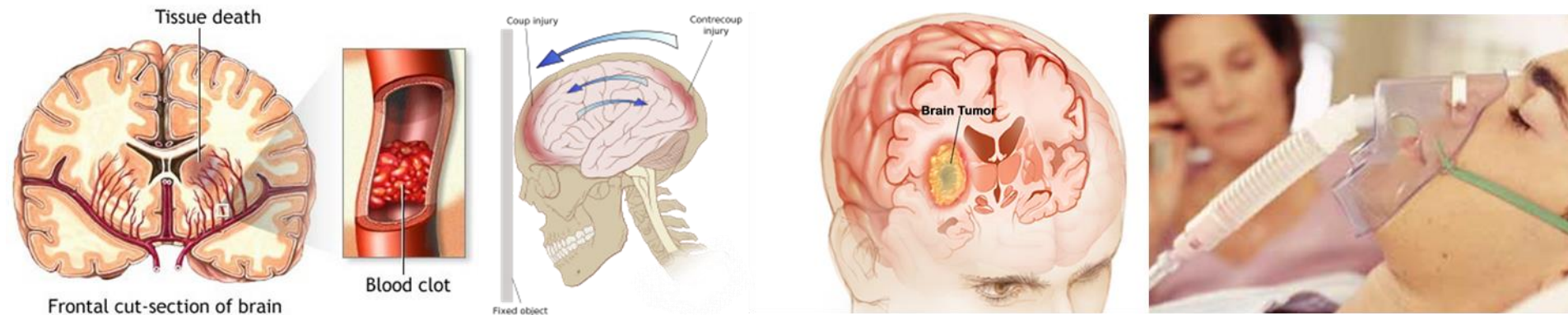
## Brain and Behaviour



**Normal, healthy brains and lifespan development**

# Neuropsychology

## Brain and Behaviour



### Consequences of acquired brain injury

# Neuropsychology

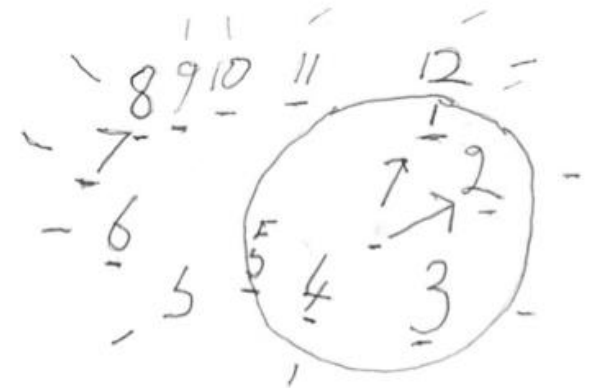
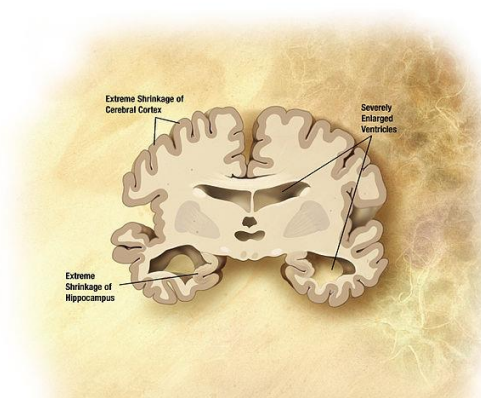
## Brain and Behaviour



**Developing, exploring and learning**

# Neuropsychology

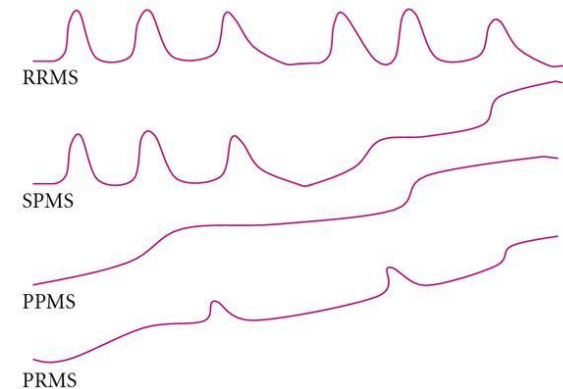
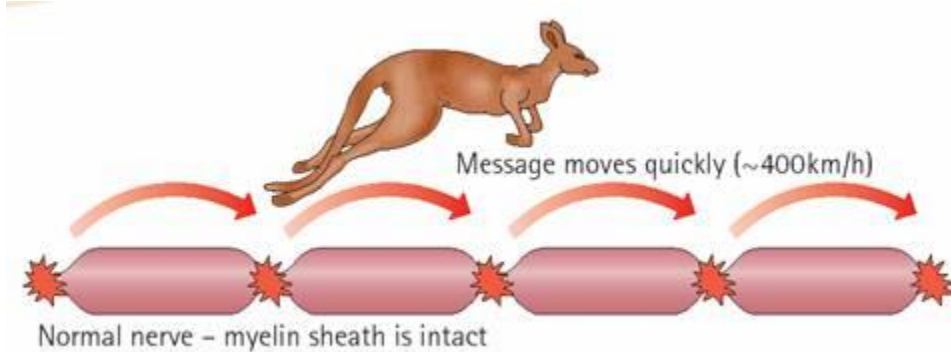
## Brain and Behaviour



**Brain disease(s)**

# Neuropsychology

## Brain and Behaviour



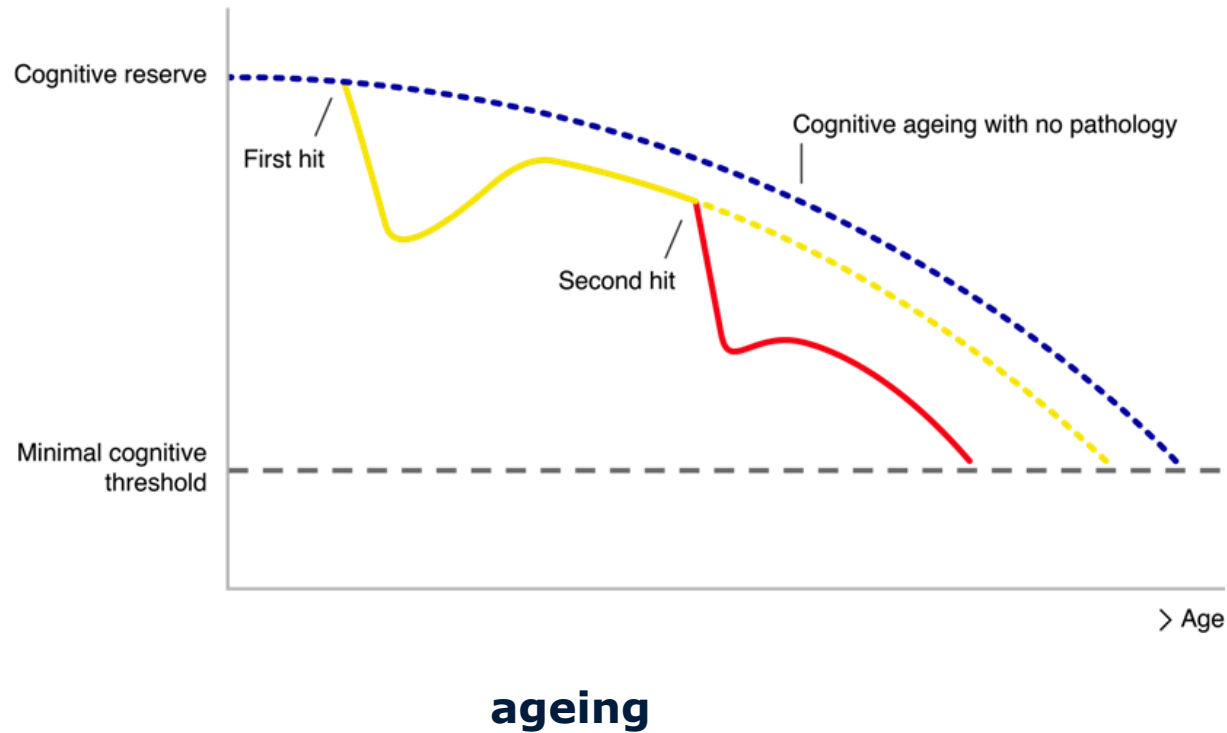
Clinical subtypes of MS

**Brain disease(s)**

# Neuropsychology

## Brain and Behaviour

Graphical Representation of Accelerated Cognitive Ageing



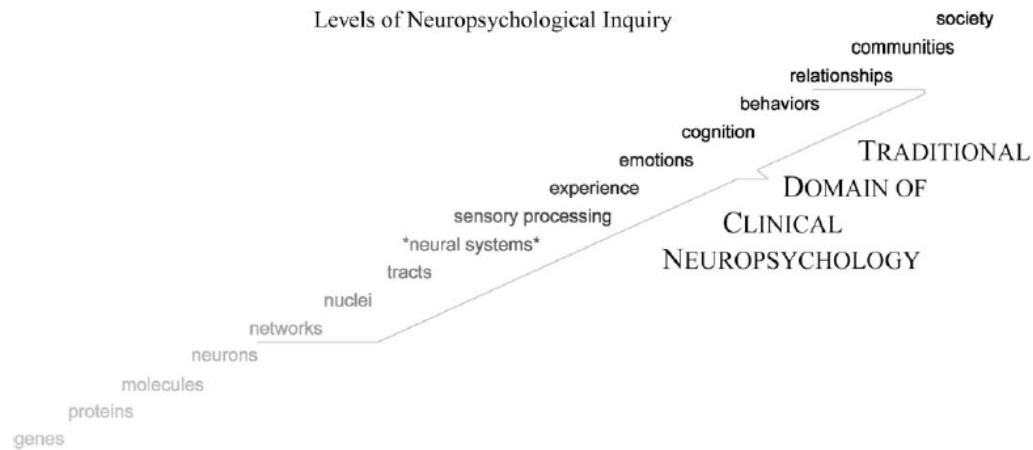
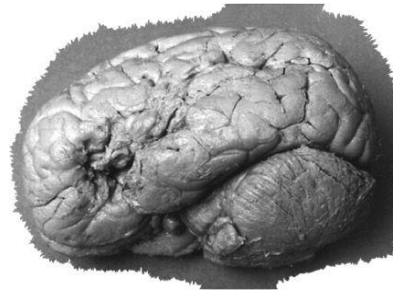
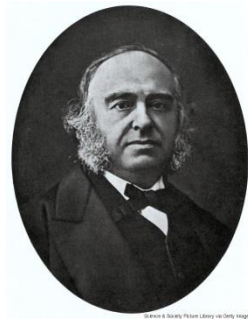
# Neuropsychology

## Brain and Behaviour

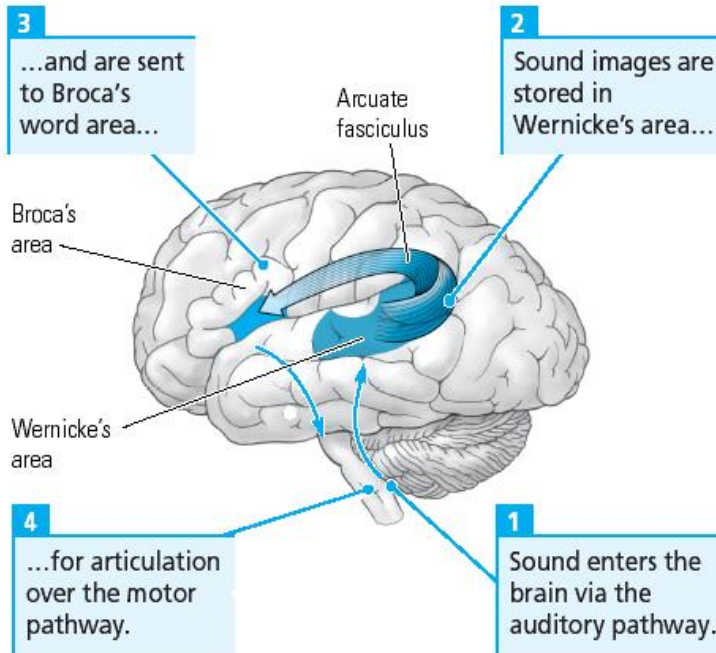
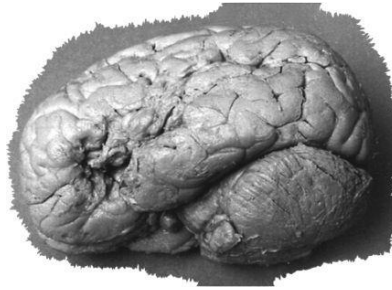


**Protecting, enhancing and cognitive training**

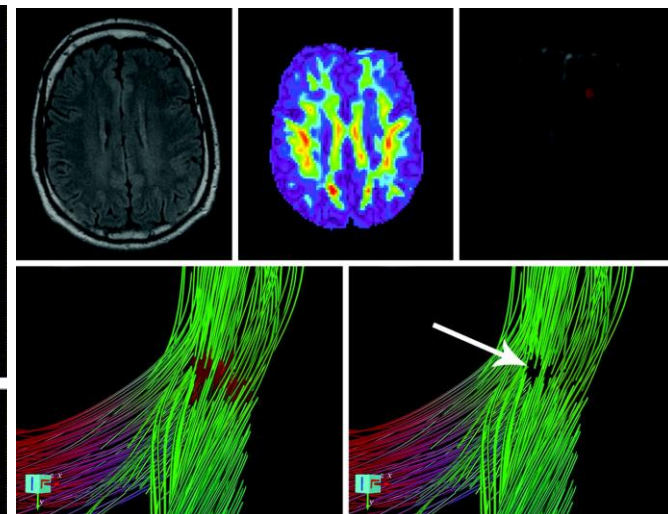
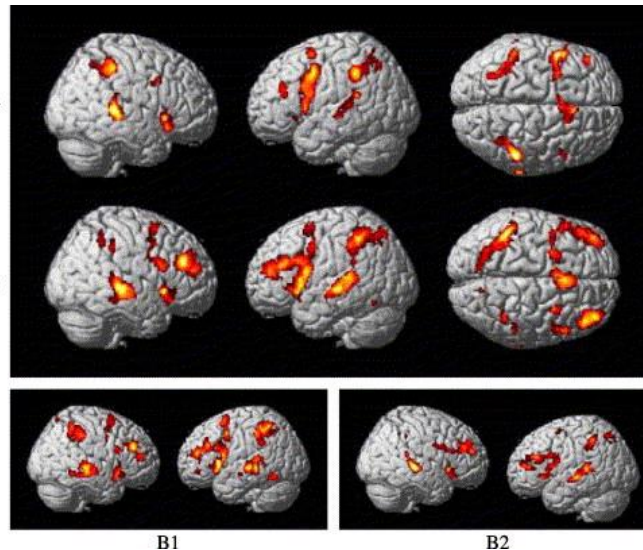
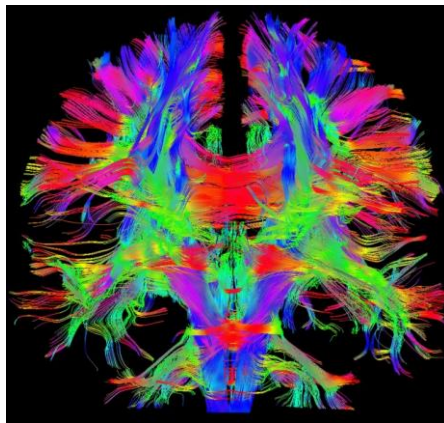
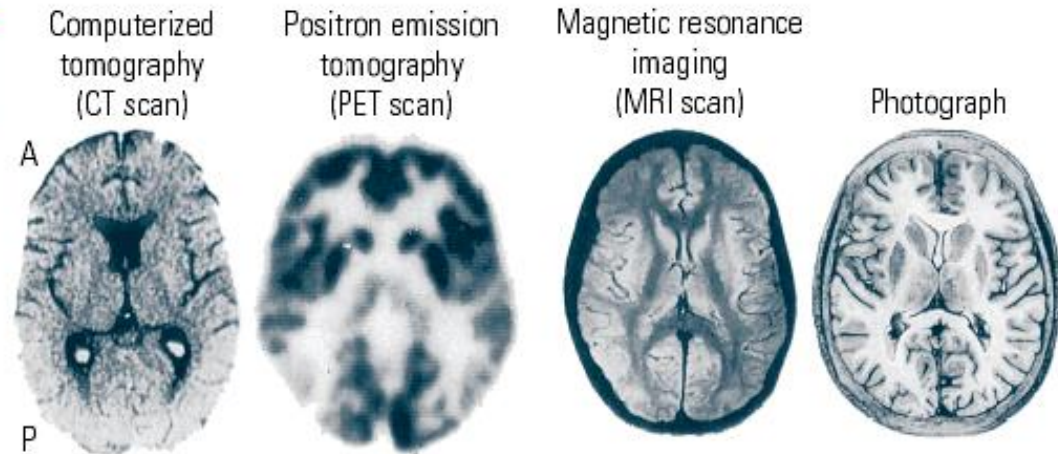
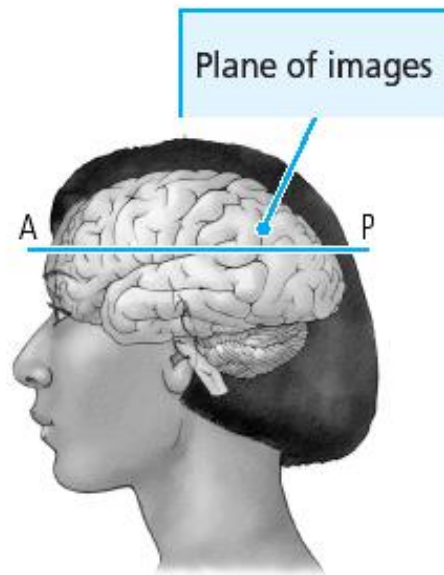
# A history of a young psychology discipline



# A history of a young psychology discipline

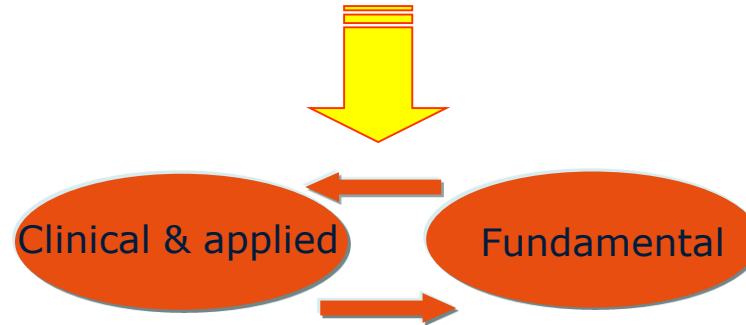


# How the brain relates to (ab)normal behaviour



## RM Track Neuropsychology

Interdisciplinary track involving:  
Neuropsychology, cognitive experimental  
psychology, neurology, psychiatry,  
psychopharmacology



## RM specialisation Neuropsychology (2 years)

### Core courses (14):

|                       |                                  |
|-----------------------|----------------------------------|
| Brain Damage          | Biopsychology                    |
| Behavioural disorders | Brain, Learning & memory         |
| Arousal & Attention   | * <i>Research grant writing</i>  |
| Ageing                | Executive control                |
|                       | Neuropsychiatric disorders       |
|                       | Neuropsychopharmacology          |
|                       | Cognitive development            |
|                       | Stress, the brain and Depression |

\*=shared with other RMtracks

\* *Adv Statistics I and II*

**Skills trainings**

**Workshops**

**Colloquia**

**Research internship** and Master thesis

**Clinical internship** and Minor's thesis



# RM specialisation Neuropsychology (2 years)

## Core courses (14):

Brain Damage  
Behavioural disorders  
Arousal & Attention  
Ageing

Biopsychology  
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\* *Research grant writing*  
Executive control  
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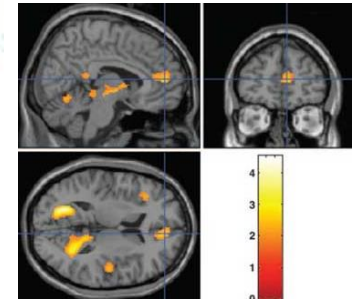
**Skills trainings**  
**Workshops**  
**Colloquia**

**Research internship** and Master thesis  
**Clinical internship** and Minor's thesis



## Methodological Research skills

- **NP Basic Experimental NP skills**
- *Imaging*
- *Psychophysiological skills*
- *Neuronatomy*
- *Advanced Statistics ! (Yummy)*



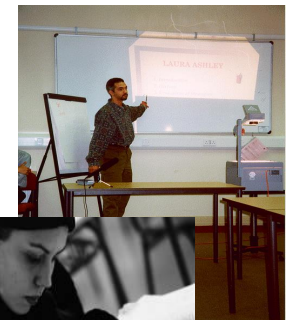
## Clinical-research NP skills

- **NP in practice; test results, report & advice**
- **NP rehabilitation**
- **NP assessments**



## Workshops

- **NP assessment in children**
- *Scientific Writing*
- *Research grant writing*
- *Psychopharmacology*
- *Imaging*



# RM specialisation Neuropsychology (2 years)

## Core courses (14):

Brain Damage  
Behavioural disorders  
Arousal & Attention  
Ageing

Biopsychology  
Brain, Learning & memory  
\* *Research grant writing*  
Executive control  
Neuropsychiatric disorders  
Neuropsychopharmacology  
Cognitive development  
Stress, the brain and Depression  
\* *Adv Statistics I and II*

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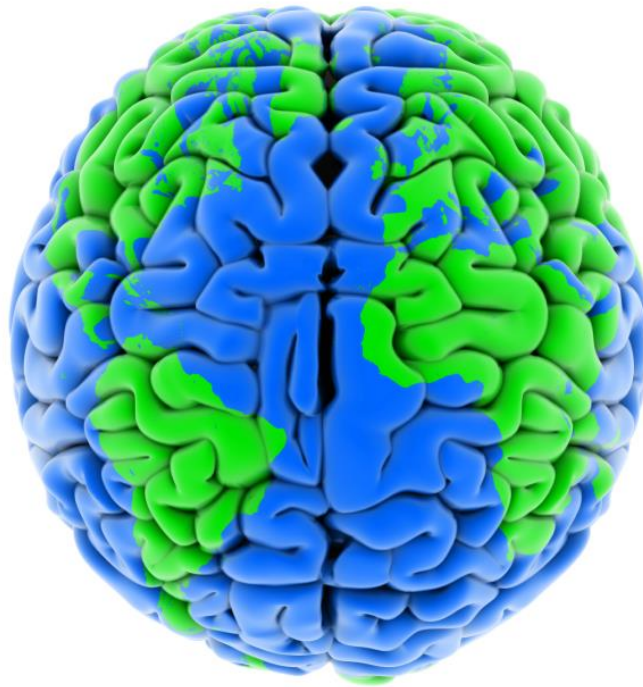
**Skills trainings**  
**Workshops**  
**Colloquia**

**Research internship** and Master thesis  
**Clinical internship** and Minor's thesis



**Research Internships**  
**The broad spectrum of neuropsychology**

**Worldwide**



# International internships

## Cohorts 2008-2018

Glasgow, Kenia, San Diego, San Francisco, London, Cambridge, Melbourne, Cologne, Liège, Boston, and other places in the UK, Australia, USA, Germany, Greece, Italy and Canada.



# UM internships

## Internationally recognised leading experts:

### **Brain injury and cognitive rehabilitation**

- acquired brain injury & mild traumatic brain injury
- Fatigue and sleep problems in ABI
- child TBI and development

### **Effects of drugs, medicine & food on brain and behaviour**

- Drugs of abuse, brain toxicity and impairment
- Effects of foods on brain and performance
- Effects of drugs and medicine on driving performance
- Drug assisted verbal therapy

### **Neuropsychiatric disorders**

- Evaluation of interventions for attentional problems
- Memory and cognitive decline in brain disease(s)
- Functional deficits from brain trauma, schizophrenia, etc.

Faculty of Psychology and Neuroscience



# Limburg Brain Injury Centre



Expertisecentrum  
Hersenletsel  
Limburg

## Samenwerkingsverband



hersenletsel.nl



adelante



SJG



VieCuri

Medisch Centrum voor Noord-Limburg



SGL



zuyderland



laurentius

Weert

Roermond

Sittard

Heerlen

Maastricht



zuyderland



Maastricht UMC+



Maastricht University  
Faculty of Psychology and Neuroscience



# Option for further training

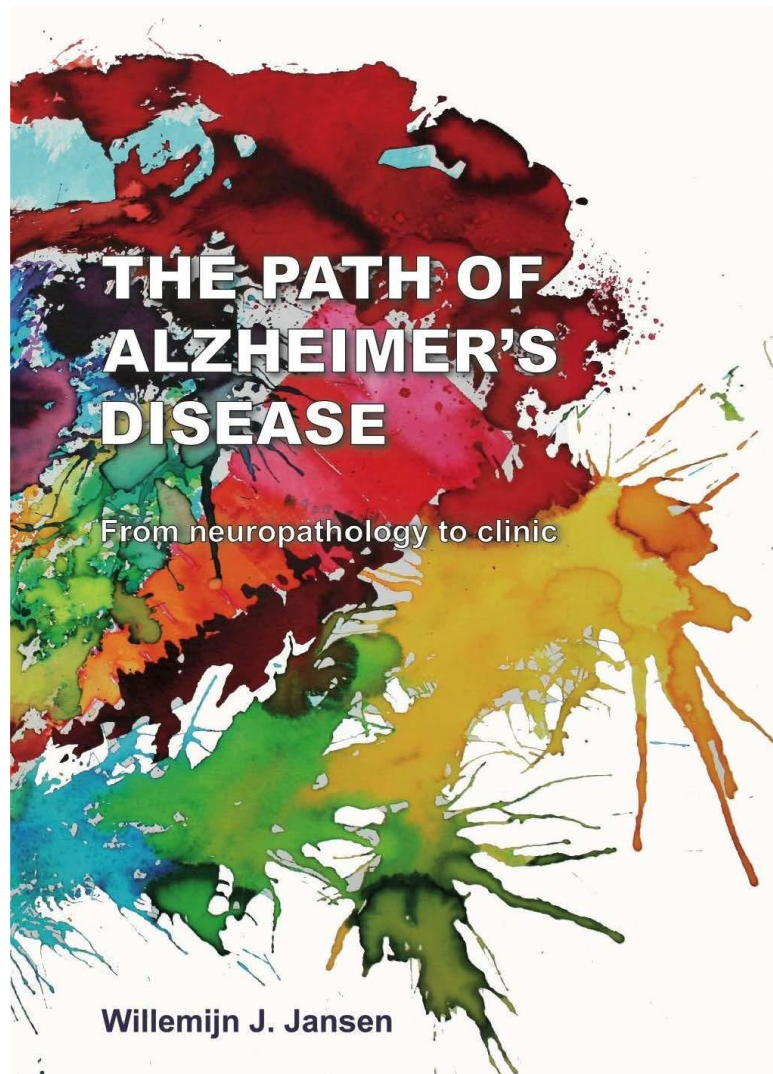
PhD programme (approx 70%)



Post-doctoral training  
“GZ opleiding”/healthcare  
certificates

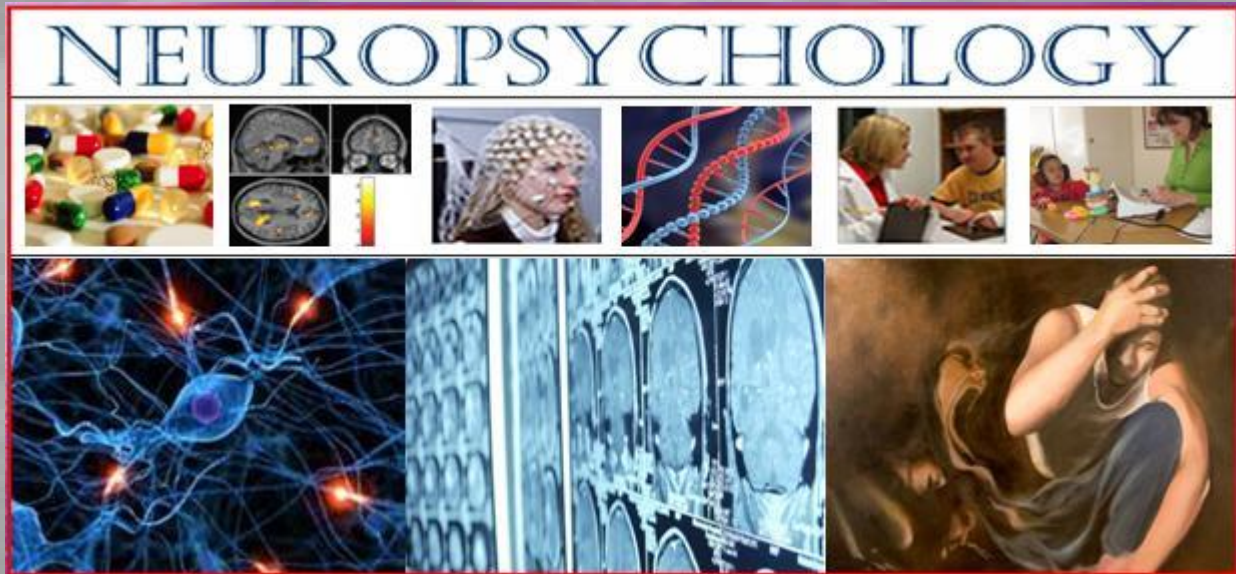
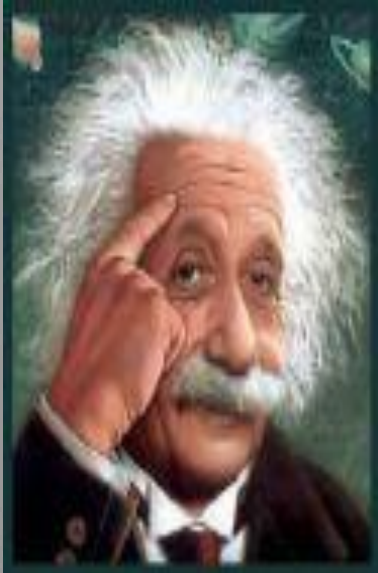
- Healthcare Psychologist
- Clinical Neuropsychologist
- Psychotherapist





**NEDERLANDSE VERENIGING VOOR  
NEUROPSYCHOLOGIE**

Willemijn Jansen winnaar dissertatieprijsvraag 2017



**Think about it,  
consider, plan ahead  
and choose.....NP**