

Master in Psychpology **Neuropsychology**

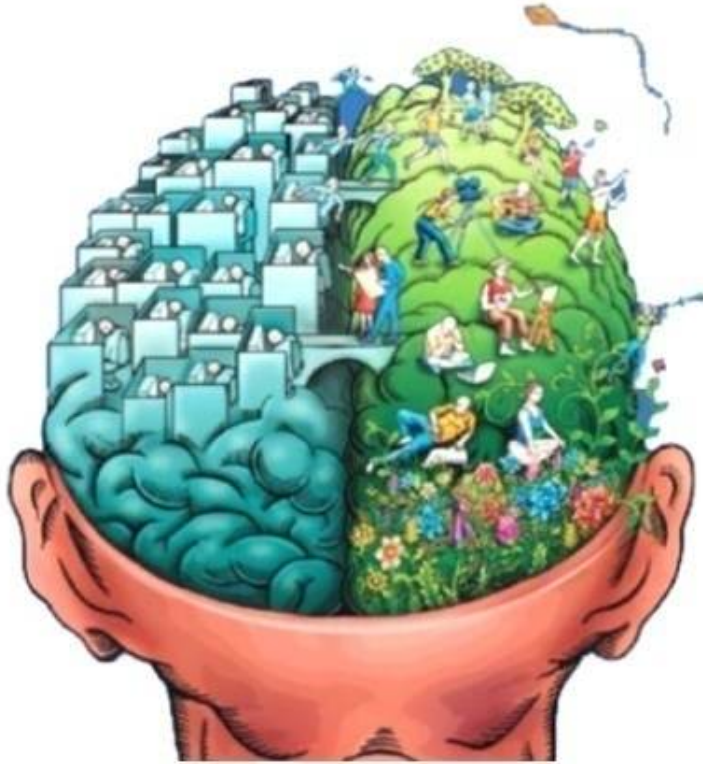
Sven Stapert

Specialisation Coordinator



Neuro-Psychology?

Go
the **extra**
mile



a specialist in cognition and behaviour

Neuropsychology

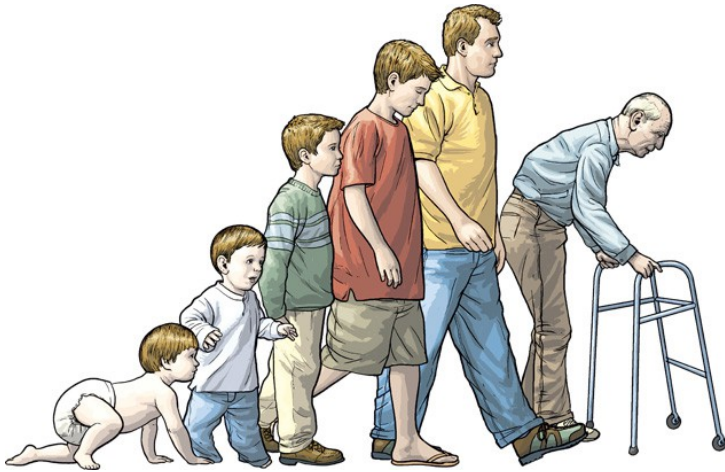
Brain and Behaviour



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

Neuropsychology

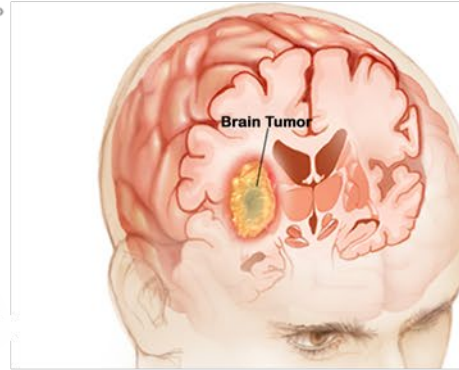
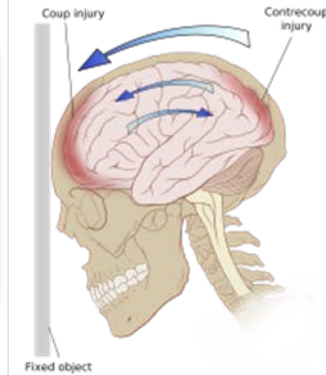
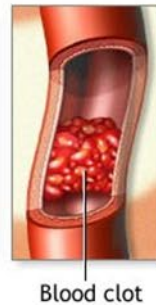
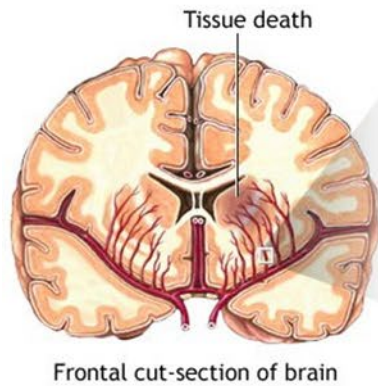
Brain and Behaviour



Normal, healthy brains and lifespan development

Neuropsychology

Brain and Behaviour



Consequences of acquired brain injury

Neuropsychology

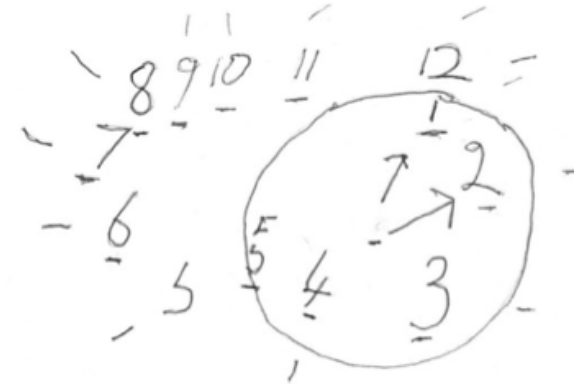
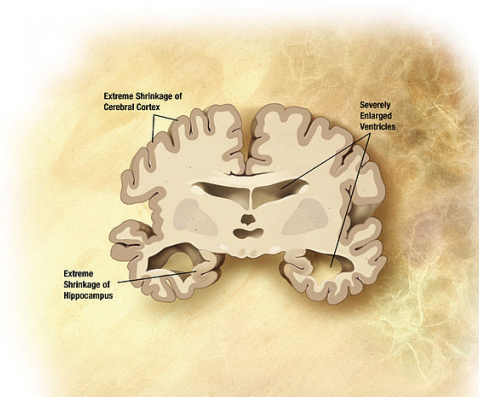
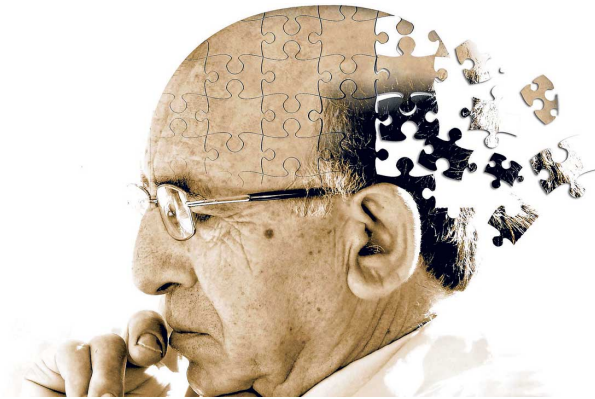
Brain and Behaviour



Developing, exploring and learning

Neuropsychology

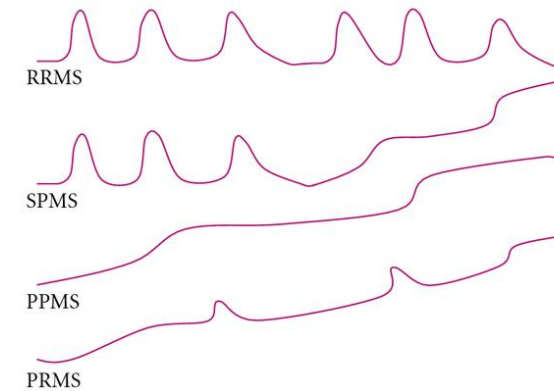
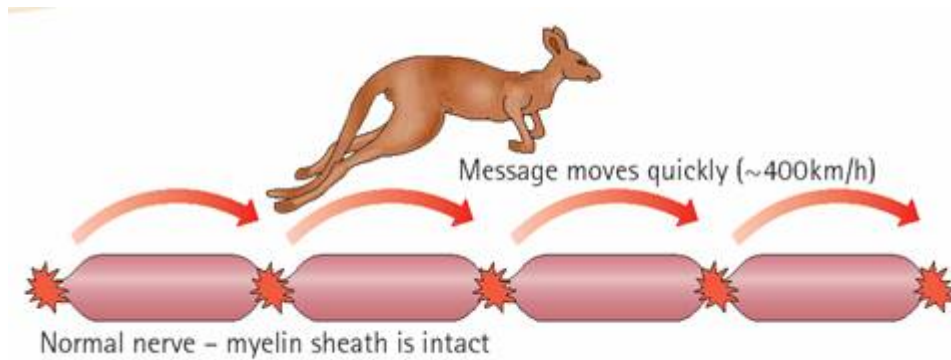
Brain and Behaviour



Brain disease(s)

Neuropsychology

Brain and Behaviour



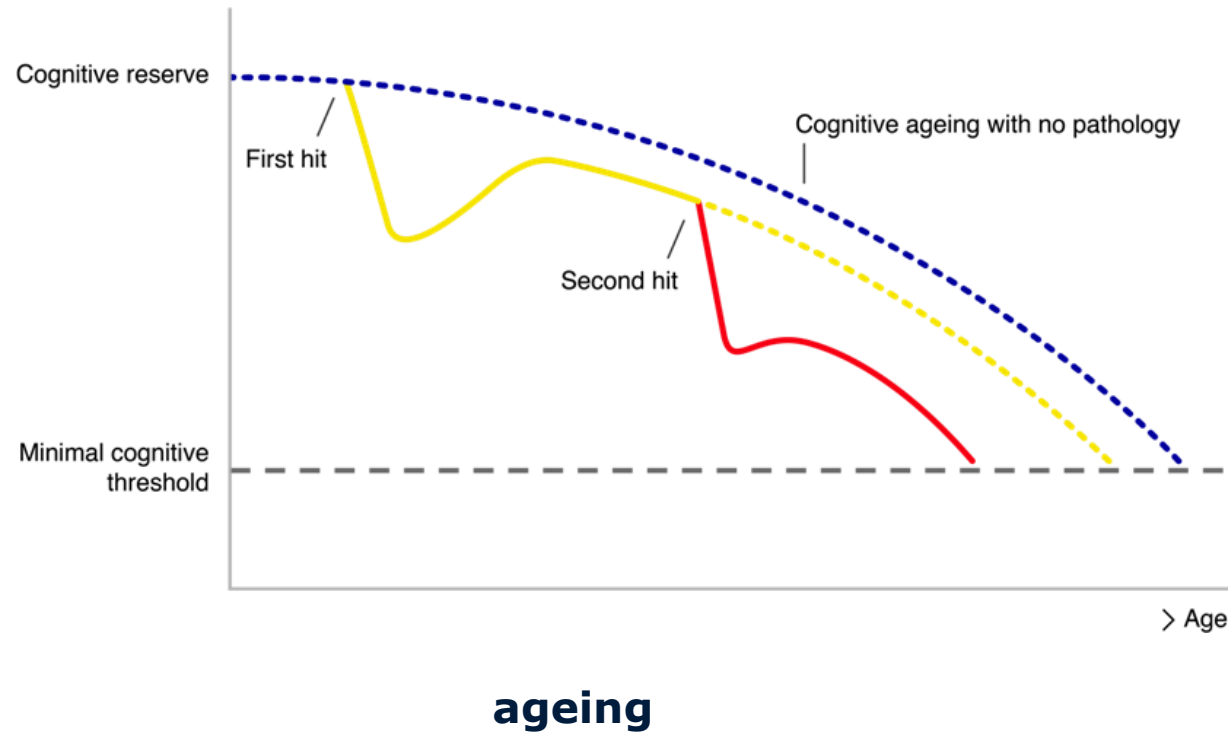
Clinical subtypes of MS

Brain disease(s)

Neuropsychology

Brain and Behaviour

Graphical Representation of Accelerated Cognitive Ageing



Neuropsychology

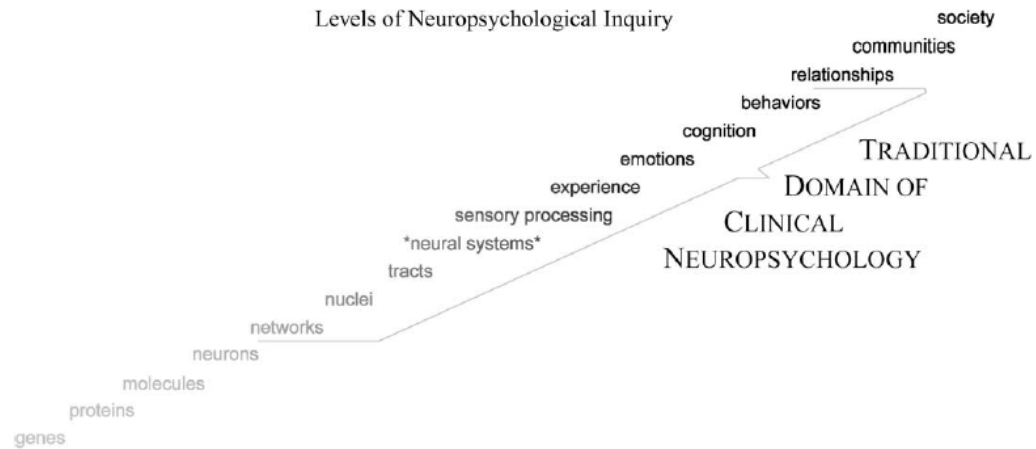
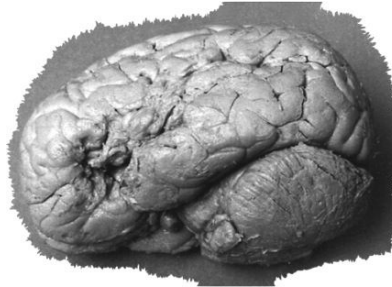
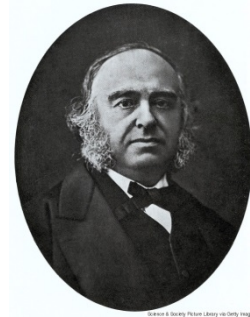
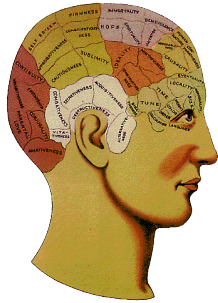
Brain and Behaviour



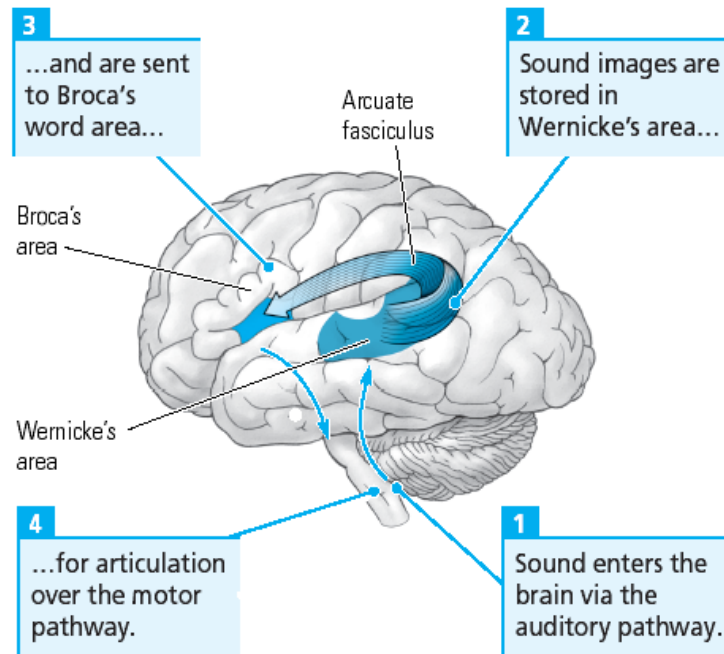
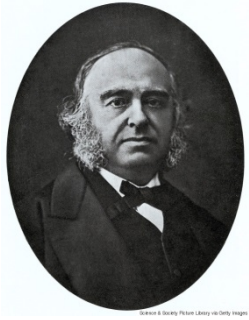
Protecting, enhancing and cognitive training

A history of a young psychology discipline

Go
the **extra**
mile

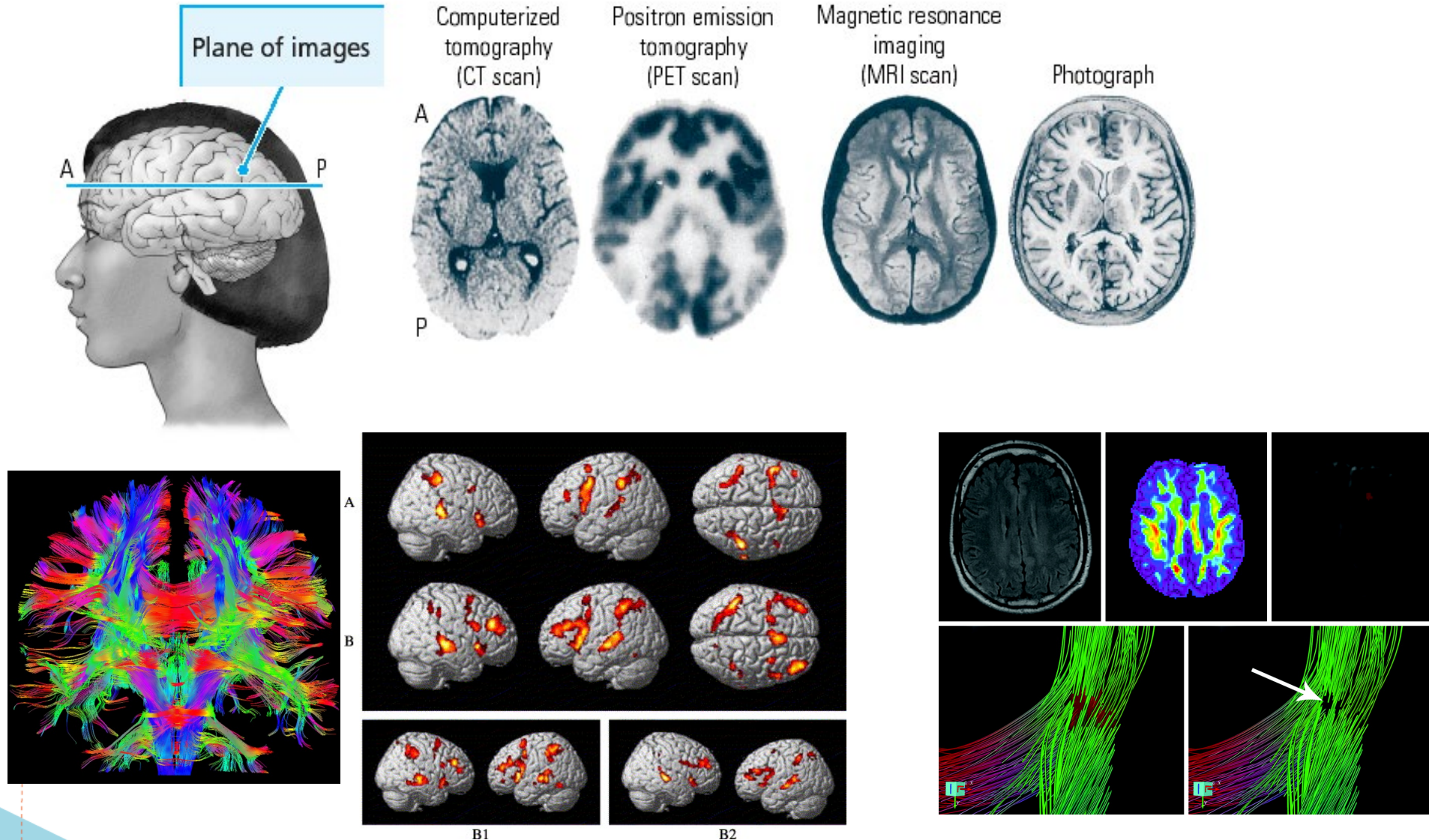


A history of a young psychology discipline



How the brain relates to (ab)normal behaviour

Go
the **extra**
mile

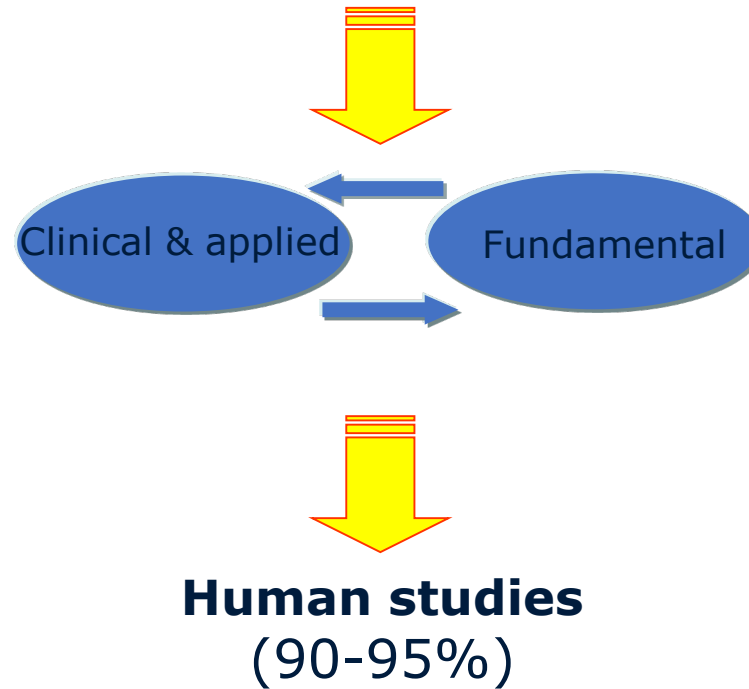


Master Neuropsychology

Go
the **extra**
mile

Interdisciplinary specialisation
involving:

Experimental- and clinical Neuropsychologists,
Psychiatrists, Biologists & Psychopharmacologists



Specialisation Neuropsychology (1 year)

Core courses; 4x

- 3 Practicals
- Research internship & Master thesis
or
- Clinical internship & Master thesis



Brain functioning

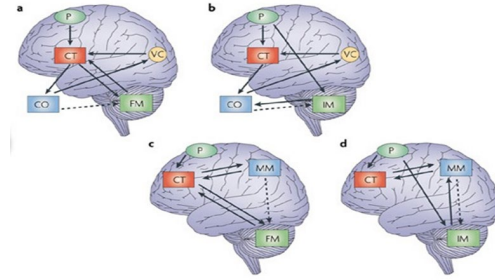
Neurobehavioural functioning

Methods of assessment

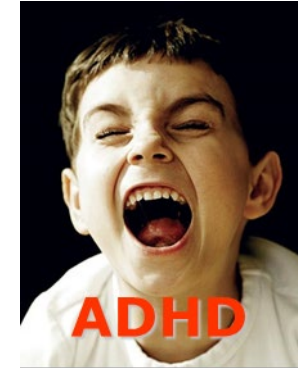
Optimising brain and behaviour



Brain functioning:
information processing



Neurobehavioural functioning:
cognition and behaviour



Methods of assessment:
measuring behaviour



Optimising brain and behaviour:
treatment and intervention



Specialisation Neuropsychology (1 year)

- Core courses

- Practical/skill trainings

- Research internship and Master thesis

or

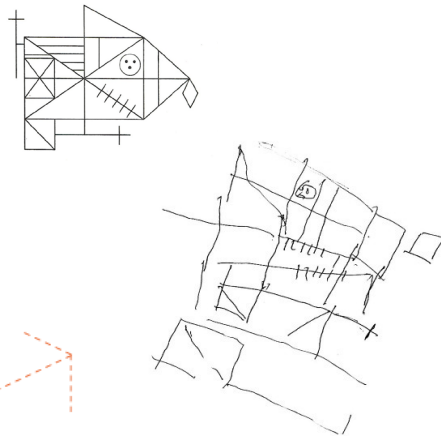
- Clinical internship and Master thesis



Practicals

- Neuropsychological Assessment
- Basic Clinical skills
- Basic Cognitive Psychological Research Skills

Knowledge and skills related to diagnostic instruments (tests, questionnaires) and procedures (conversation and observation techniques) and decision making procedures.



Specialisation Neuropsychology (1 year)

- Core courses; 4x
 - Practicals/ skill trainings
- Research internship and thesis
 - Clinical internship and Master thesis



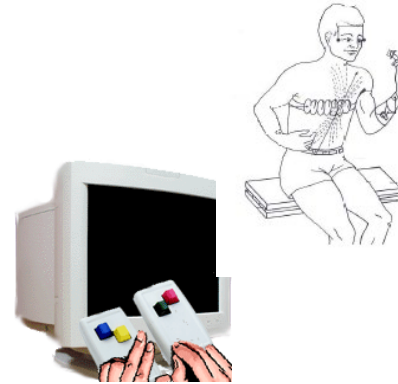
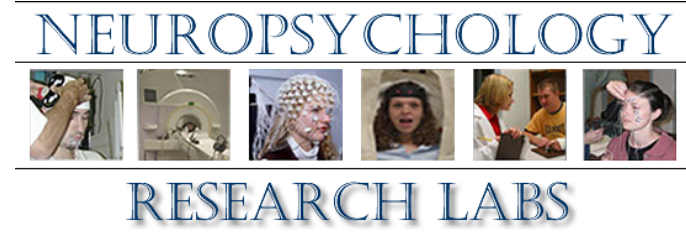
Internship and Master thesis: Research or Clinical ?

- Full research internship
6 months
- Master thesis
- Clinical internship
4 months
- Clinical activities report
- Health care certificates
- Clinical research part
2 months
- Master thesis

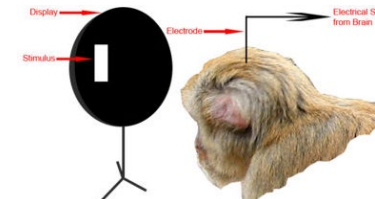
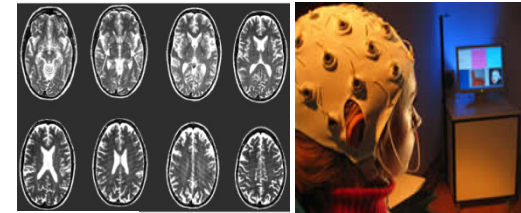
Internships

All thinkable areas in Neuropsychology

- Methods: neuropsychological tests, imaging techniques (fMRI), and psychophysiology



- Cognitive domains:
 - attention
 - memory
 - perception
 - motor control
 - emotional control



UM internships

Internationally recognised leading experts:

Faculty of Psychology and Neuroscience



Brain injury and neuropsychological treatment

- Acquired brain injury & mild traumatic brain injury
- Fatigue and sleep in ABI
- Timing and rhythm perception after brain injury

Effects of drugs, medicine & food on brain and behavior

- Drugs of abuse, brain toxicity and impairment
- Effects of food 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 bipolar disorder, schizophrenia, etc.

A Master degree in Neuropsychology: Wat are the consequences?

- Flexibility !
- A job as a clinician, a researcher or a combination of both.
- Work with different subjects: Children, Adults, Patients, Healthy Volunteers, Animals etc.



Possible professional fields

- Institutes for health care: (psychiatric) hospitals, rehabilitation centers, nursing homes, mental health clinic
- Scientific research and education: universities, research institutes (e.g., TNO, RIVM, NWO), industry (e.g., pharmaceutical or food companies)
- Policy making: governmental institutes
- Regular and special education (e.g., schools advisory service)

Option with further training

- PhD programme
- Post-doctoral training such as the “GZ-opleiding”
- Klinisch (neuro)psycholoog



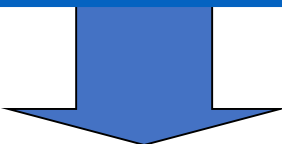
PhD follow-up....

- A paid job!
- 48 months research
- Additional courses
- Writing a thesis
- Research career

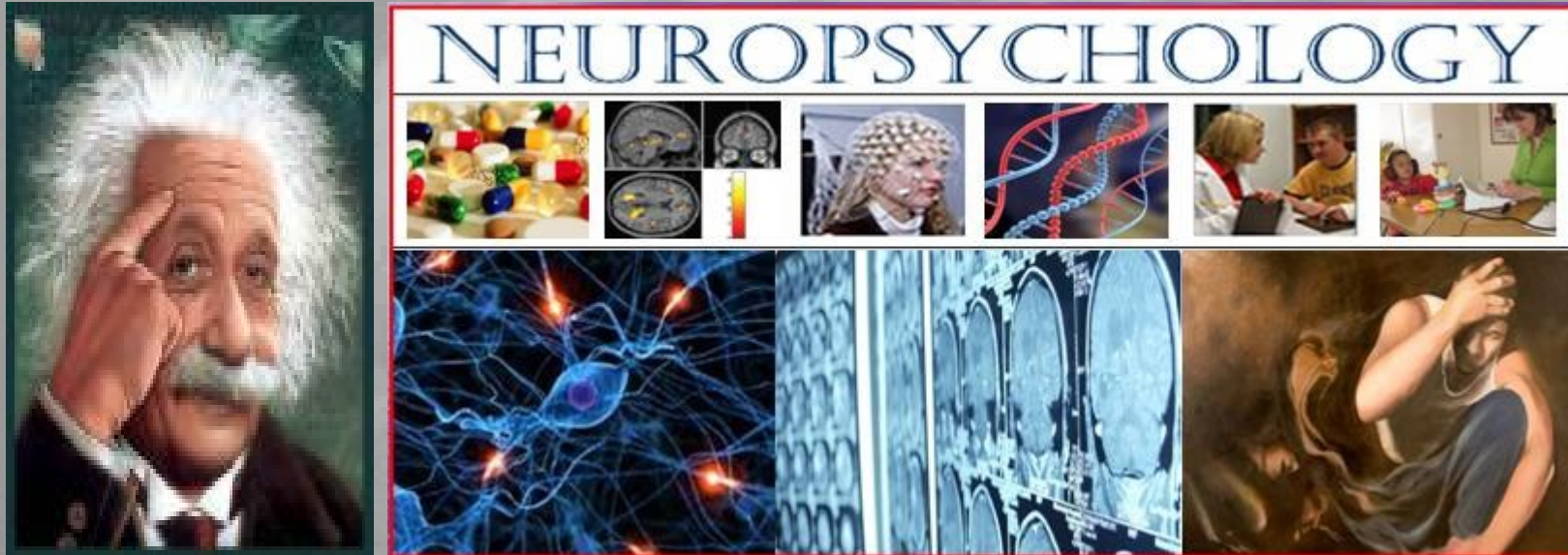


Post-master training in healthcare

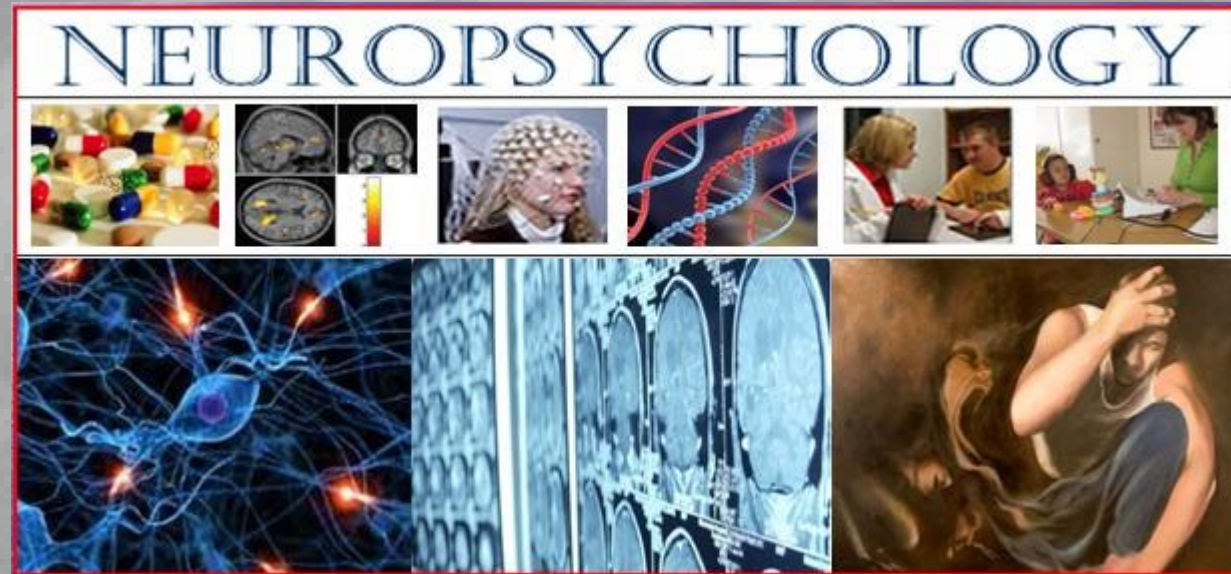
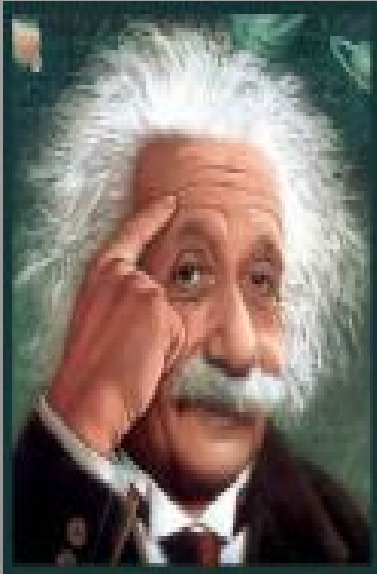
Post-master training in Psychology



- Healthcare (Gz) Psychologist (2 years)
- Clinical Psychologist (4 years following Gz)
- Clinical Neuropsychologist (4 years following Gz)
- Psychotherapist (4 years following Ma or 2,5 years following Gz)



Choose wisely...



Choose Neuropsychology!
Hope to see you soon

More information? Contact us

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 **maastrichtuniversity.nl/fpn/masters**

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