



**Durham**  
University

# MSc Cognitive Neuroscience

*Lore Thaler, Associate Professor  
Programme Director*

✉ [lore.thaler@durham.ac.uk](mailto:lore.thaler@durham.ac.uk)

# Today's session....

- Overview of the Programme
- Career Pathways after the MSc in Cognitive Neuroscience
- Mini Taster Lecture

# Overview of the Programme

- Expected cohort, ~20-25 students
- One year programme (October – September)
- Sets itself apart by offering lots of Practical Elements and Hands-On Experience
  - Lab Placements (EEG, TMS, fMRI, Motion Capture, Eye Tracking)
  - Workshops

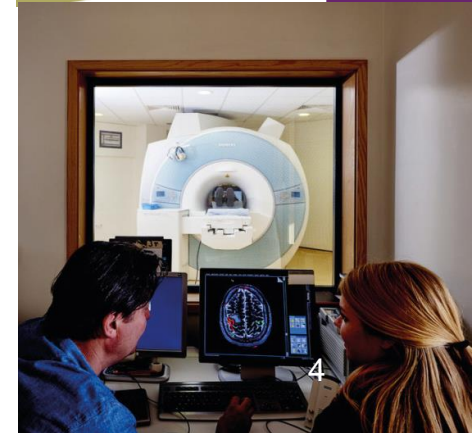
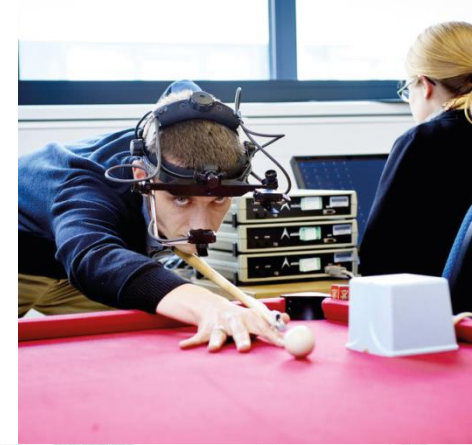
# Subject Specific Modules (60 Credits total)

- Current Issues in Cognitive Neuroscience (30 cr)

Seminars & Practical Sessions  
Workshops

- Techniques in Cognitive Neuroscience (30 cr) Seminars

Lab placements (EEG, TMS, fMRI, Motion Capture, Eye Tracking)  
Matlab Programming



# Advanced Research Training (60 Credits total)

- Critical Research Practice (30 credits)
- Statistics for Psychology & Behavioural Sciences (15 cr.)
- Advanced Statistics for Psychology & Behavioural Sciences (15 cr.)



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[R Project About R](#)

## The R Project for Statistical Computing

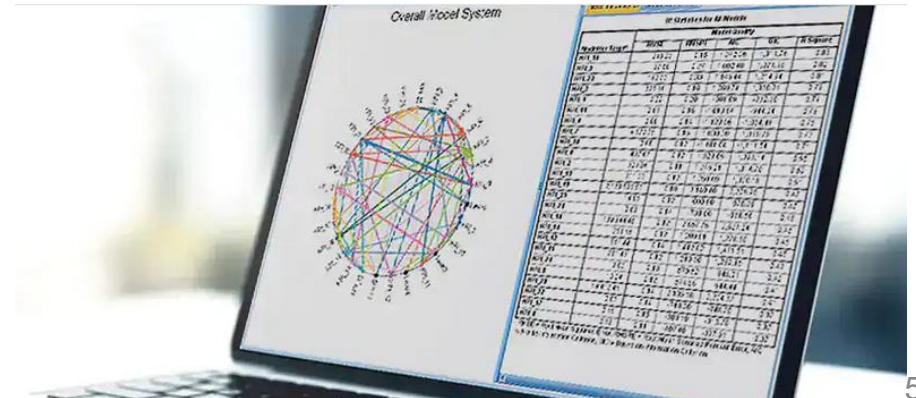
### Getting Started

R is a free software environment for statistical computing and graphics. It compiles and runs on a wide variety of UNIX platforms, Windows and MacOS. To [download R](#), please choose your preferred [CRAN mirror](#).

If you have questions about R like how to download and install the software, or what the license terms are, please read our [answers to frequently asked questions](#) before you send an email.



SPSS Statistics



# Dissertation Module (60 credits)



- Your Project – with a leader in the field
- Excellent support and facilities
- Student driven

- Cutting Edge, In depth,  
Independent



# Career Pathways: MSc Cognitive Neuroscience

- Research, Industry, Clinical
- Career Events throughout the year
  - applying for PhDs
  - Clinical pathways
  - applying for RA jobs (and other jobs)
- Close integration with careers service

# Cognitive Neuroscience: Durham University postgraduate destination data

Research	Further study	Health and social care	Other/Industry
Research Administrator – Great Ormond Street Hospital	PhD Behavioural Neuroscience	Assistant Psychologists – multiple NHS Trusts	Teaching/classroom assistants
Research Assistant (health) – Newcastle University	PhD Psychology and Neuroscience	Coordinator/Facilitator – the Stroke Association	Assistant Access Officer – Durham University
Research Assistant – University of Cambridge	DPhil in Experimental Psychology	Drug and Alcohol Support Worker – Changing Lives	Retail operations - various
Medical Research Administrator – Great Ormond Street Hospital	PhD Psychology - Sleep and Mental Health	Clinical Audit Facilitator - NHS	Data Engineer – Kubrick Group (data analytics graduate scheme – data consultancy)
Research Assistant/Clinical Trials Associate - NHS	PhD – Cognitive Neuroscience	Behavioural healthcare support worker - NHS	Value Analyst/Pharmaceutical Researcher – Adelphi Values (consultancy)
	PGCE Secondary Education	111 call handler – Vocare Ltd	Customer Insight Analysis – Swinton Group (data analysis & marketing)
	Doctorate in Clinical Psychology (DClin)	Mental health recovery worker, Substance misuser support worker - NHS	





Any  
questions?



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# Mini Taster Lecture: Current Issues in Cognitive Neuroscience

*Lore Thaler, Associate Professor*

✉ [lore.thaler@durham.ac.uk](mailto:lore.thaler@durham.ac.uk)

# Modes of Teaching

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- **Seminars** to support learning theory, research questions, evaluate evidence
- **Practical sessions** to support translating theory to practice (techniques, experimental design)
- **Workshops** support the development of essential research communication skills

# Assessment

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## Formative

- A 1000-word essay on a 'mock' exam question based on topics taught in class. Typically due beginning of December (end of term 1).

## Summative

- Poster Presentation: A1 sized poster based on key papers chosen by the student. Typically due Mid/End February (middle of term 2)
- 2-hour exam on the content presented in seminars and practical sessions (May/June examination period)

# Research Talks etc.

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- Research seminars are hosted (weekly) by the Department.
- Research seminars represent a unique opportunity i) to hear the newest scientific findings from prestigious labs in the UK and abroad and ii) to meet the real people behind experiments and experimental ideas.
- Seminars are held on **Fridays at 1pm in the Department.**
- There will be additional talks in research groups etc.

# Indicative list of sessions

## Workshops

- Academic writing
- Making & Presenting Posters
- Poster Presentation
- Peer Review



# Indicative list of sessions

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## Seminars & Practical Sessions

- Visual Development (*Marko Nardini*)
- Conscious vs. non-conscious perception of emotion (*Anthony Atkinson*)
- The role of the hippocampus in spatial cognition and memory (*Alex Easton & Anthony McGregor*)
- Psychophysics and the measurement of perception (*Robert Kentridge*)

# Indicative list of sessions

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## Seminars & Practical Sessions ctd.

- fMRI and Neurofeedback of Motivation, Reward and Addiction (*Niklas Ihssen*)
- Sensory Neuroplasticity (*Lore Thaler*)
- Face Recognition (*Holger Wiese*)
- Bayesian Cognition (*Ulrik Beierholm*)



**Thank you for joining!**

**Do you have any Questions?**