

AHED - Advanced Health Education  
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MULTIPROFESSIONAL CARE  
INTEGRATION CHALLENGES

# NEURODEGENERATIVE DISEASES

ADVANCED  
COURSE

22-106



Advanced  
Health  
Education

by NOVA Medical School

# NEURODEGENERATIVE DISEASES / ADVANCED COURSE

22-I06

**COURSE COORDINATOR >>** António Freire, MD, PhD  
Joaquim Ferreira, MD, PhD

## COURSE PRESENTATION

The Advanced Course on Neurodegenerative Diseases (NDD) will focus on the latest advances in clinical and molecular research in the field of chronic neurodegenerative disorders influenced by ageing. These disorders have very complex pathophysiological mechanisms and represent a great challenge to clinicians and researchers. During the last few decades, investigation in this area has demonstrated that the most common NDD - Alzheimer's disease (AD) and Parkinson's disease (PD) - although being different disorders, share some common pathophysiological mechanisms as well as some clinical aspects in the advanced forms. This represents a new challenge, implicating that they should be studied in an integrated manner.

The course is intended to promote the understanding of clinical and diagnostic aspects of these devastating diseases and their correlation with molecular, biochemical and cellular mechanisms operating in their pathogenesis. Furthermore, the course will cover the available therapies and those under development, as well as the importance of rehabilitation, psychological and social support. Clinical, brain imaging, selective biochemical and neuropathological aspects of these disorders will be discussed by experienced neurologists, physiatrists, neuroradiologists, neuroscientists and neuropsychologists.

## LEARNING OBJECTIVES >> KNOWLEDGE AND SKILLS TO DEVELOP

- >> To deepen the study of the relationship between Nervous System, movement and cognitive function.
- >> To expand knowledge concerning cognitive function in the context of ageing and neurological disorders.
- >> To acquire knowledge about the main models of normal cognitive functioning and identify modifications that can occur in that system.
- >> To recognise the main contributions of the most recent methods of imaging or others to the comprehension of cognitive functions.
- >> To acquire competences in bibliography search and analysis related to neurodegenerative processes.

## TARGET AUDIENCE

Specialists of Neurology, Neurosurgery, Neuroradiology, Psychiatry and Physiatry.

Other Doctors, Neuroscientists and health professionals can also be considered for admission after evaluation of the specific case.

## ATTENDANCE REQUIREMENTS

80% attendance is mandatory for issuing attendance certificate and CME credits and/or ECTS

## ADMISSION CRITERIA

Academic background in the mentioned specialties ( PhD, Master degrees, Bachelors or Residents)

Other Doctors, Neuroscientists and health professionals can also be considered for admission after evaluation of their specific motivation.

## MAX. ATTENDEES

30

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## AGENDA

**2022 / MARCH**

### MAR 23<sup>rd</sup>

9:00 am – 7:30 pm

@ Associação Nacional das Farmácias

- >> Introduction to the course
- >> Ageing and Neurodegeneration
  - >> The Ageing Brain
  - >> Neural Plasticity
  - >> Molecular and cellular basis of neurodegeneration
  - >> Biomarkers in neurodegenerative diseases
- >> Multiple Sclerosis
  - >> Pathogenesis of Multiple Sclerosis
  - >> Clinical features of MS
  - >> MS diagnostic criteria
  - >> Recent advances in the therapy of MS

### MAR 24<sup>th</sup>

9:00 am – 7:00 pm

@ Associação Nacional das Farmácias

- >> Brain and movement disorders
  - >> Parkinson's Disease
    - >> Genetic aspects of Parkinson's Disease
    - >> Clinical features of PD
    - >> Parkinsonian syndromes
    - >> Therapeutic aspects of PD and management of complications
    - >> Advances in imaging in Parkinson's disease
    - >> Cognition in PD and parkinsonian syndromes
  - >> Polyglutamine-expansion diseases: Huntington's disease and MJD
    - >> Clinical aspects and diagnosis
    - >> Cellular mechanisms and neuroprotection

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22-106

## AGENDA

2022 / MARCH

**MAR 25<sup>th</sup>**

9:00 am – 7:30 pm

@ Associação Nacional das Farmácias

- >> Alzheimer's disease and other demands
- >> Molecular mechanisms of Alzheimer Disease
- >> Clinical features of AD
- >> Advances in the therapy of AD and future directions
- >> Other neurodegenerative dementias
- >> Biomarkers in the diagnosis of AD neurodegenerative dementias
- >> Brain imaging in AD and other neurodegenerative dementia
- >> Motor neuron disease up-to-date
- >> Closing remarks

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## NEURODEGENERATIVE DISEASES / ADVANCED COURSE

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### FACULTY

- >> Alexandre de Mendonça, MD, PhD
- >> Ana Cristina Rego, PhD
- >> Camila Nóbrega, MD
- >> Carlos Capela, MD
- >> Catarina Oliveira, MD, PhD
- >> Cláudia Pereira, PhD
- >> Cristina Januário, MD, PhD
- >> Inês Baldeiras, PhD
- >> Isabel Santana, MD, PhD
- >> Joana Morgado, MD
- >> João Cerqueira, MD, PhD
- >> João Massano, MD
- >> Joaquim Ferreira, MD, PhD
- >> José Vale, MD
- >> Leonor Correia Guedes, MD, PhD
- >> Luísa Vaqueiro Lopes, PhD
- >> Mamede Carvalho, MD, PhD
- >> Maria José Diogenes, PhD
- >> Mário Miguel Rosa, MD, PhD
- >> Sofia Reimão, MD, PhD
- >> Sónia Batista, MD, PhD

**CREDITS >> 3 ECTS**

**DURATION >> 24 HOURS**

**PRICE >> 600€**

### INCLUSIONS AND EXCLUSIONS IN PRICE

The price published for each course includes teaching fees, space rental, certificate of attendance, and materials used during the course. The price of the course doesn't include hotel accommodation, lunches, and dinners on course days, nor any other items unless specifically mentioned. Prices of courses published by AHED are exempted of VAT. Other items priced by AHED apart from courses may however include VAT.

### APPLICATION, ADMISSION AND REGISTRATION

When applying for a course at AHED – Advanced Health Education, the applicant subjects personal and professional data that will be verified and assessed to check that admission criteria for that specific program are met. Once an application is approved, registration in the course is admitted and will require payment of the price published for the course.

### APPLICATION FEES

Application fees are as follows:

-100 € for courses priced above 1000 €

-50 € for courses priced below equal to 1000 € Application fees are non-refundable.

### COURSE REGISTRATION FEES

The registration stage is considered completed when the total price of the course is received by AHED.

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## PAYMENT OPTIONS

Payment options for application and registration include credit card (Visa, MasterCard), wire transfer in Euro, and Multibanco.

## EARLY BIRD

Application fees will be discounted from the course price for registrations completed 90 calendar days before the date of the course.

For additional information, please go to in Terms and Conditions at [ahed.pt](http://ahed.pt)

**APPLICATION DEADLINE >> MARCH 16<sup>th</sup> 2022**

**INSTITUTIONAL PARTNERSHIPS >>**



**SCIENTIFIC PARTNERSHIPS >>**



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