

AHED - Advanced Health Education  
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/ MULTIPROFESSIONAL CARE  
INTEGRATION CHALLENGES

# NEURODEGENERATIVE / ADVANCED DISEASES COURSE

21-I06



Advanced  
Health  
Education

by NOVA Medical School

# NEURODEGENERATIVE DISEASES / ADVANCED COURSE

21-I06

**COURSE COORDINATOR** >> António Freire, 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, psychiatrists, neuroradiologists, neuroscientists and neuropsychologists.

## LEARNING OBJECTIVES >> KNOWLEDGE AND SKILLS TO DEVELOP

- 1 To deepen the study of the relationship between Nervous System, movement and cognitive function.
- 2 To expand knowledge concerning cognitive function in the context of ageing and neurological disorders.
- 3 To acquire knowledge about the main models of normal cognitive functioning and identify modifications that can occur in that system.
- 4 To recognise the main contributors of the most recent methods of imaging or others to the comprehension of cognitive functions.
- 5 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.

## 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.

## ATTENDANCE REQUIREMENTS

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

## MAX. ATTENDEES

- > 25

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AGENDA

2021 / FEBRUARY

**FEB 26<sup>TH</sup>**

4:00 pm - 8:00 pm

@ Nova Medical School (Campo de Santana)

- > I - Session - Ageing and neurodegeneration:  
molecular and cellular mechanisms  
Seminar: Basic mechanisms of ageing and  
neurodegeneration  
  
Seminar: Stress and neurodegeneration  
  
Seminar: Basal ganglia pathophysiology: From  
movement to behavior and emotions  
  
Meeting expert in Lab

**MAR 5<sup>TH</sup>**

4:00 pm - 8:00 pm

@ Nova Medical School (Campo de Santana)

- > III - Session - Brain and movement  
disorders (II)  
Seminar: Clinical aspects of  
polyglutamine-expansion diseases:  
Huntington's disease and MJD  
  
Seminar: Cellular mechanisms and  
neuroprotection in Huntington's disease  
  
Seminar: Machado-Joseph disease:  
molecular mechanisms and new  
therapeutics  
  
Seminar: MRI in movement disorders

**FEB 27<sup>TH</sup>**

9:00 am - 1:00 pm

@ Nova Medical School (Campo de Santana)

- > II - Session - Brain and movement disorders  
(I) Seminar: Brain and Movement  
  
Seminar: Pathogenesis of Parkinson's  
disease  
  
Seminar: Parkinson's disease: clinical  
presentation and current therapeutics  
  
Seminar: Surgical aspects of Parkinson's  
disease and other movement disorders

**MAR 6<sup>TH</sup>**

9:00 am - 1:00 pm

@ Nova Medical School (Campo de Santana)

- > IV - Session - Symposium on  
Brain, language and cognition  
  
> V - Session - Alzheimer  
Disease (AD) and other  
dementias (I)  
  
Seminar: Recent advances in the  
knowledge of Alzheimer's disease  
  
Seminar: Clinical and therapeutic  
aspects of Alzheimer's disease

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**MAR 12<sup>TH</sup>**

4:00 pm - 8:00 pm

@ Nova Medical School (Campo de Santana)

> VI - Session - Alzheimer Disease (AD) and other dementias (II)

Seminar: Alzheimer's disease: cellular and molecular mechanisms

Seminar: Differential diagnosis of AD: other dementias

Patient Associations: Alzheimer Portugal

Seminar: MRI in the study of AD and other forms of dementia

**MAR 19<sup>TH</sup>**

4:00 pm - 8:00 pm

@ Nova Medical School (Campo de Santana)

> VIII - Session - Complementary diagnosis exams

Seminar: Neuropsychological assessment of Dementia (Part I)

Seminar: Neuropsychological assessment of Dementia (Part II)

Seminar: Neuropsychological in neurodegenerative diseases (Part I)

Seminar: Neuropsychological in neurodegenerative diseases (Part II)

**MAR 13<sup>TH</sup>**

9:00 am - 1:00 pm

@ Nova Medical School (Campo de Santana)

> VII - Session - Other

Neurodegenerative disorders

Seminar: Motor Neuron Disease

MS: Clinical cases - video session

Seminar: Multiple Sclerosis – pathogenesis and clinical presentation

Seminar: Multiple Sclerosis – therapeutic aspects

**MAR 26<sup>TH</sup>**

9:00 am - 1:00 pm

@ Nova Medical School (Campo de Santana)

> IX Session - Complementary diagnosis exams

Seminar: Molecular imaging in neurodegenerative diseases (I)

Seminar: Molecular imaging in neurodegenerative diseases (II)

Seminar: Eye movements in neurodegenerative disorders

Ocular motor testing in parkinsonian syndromes and spinocerebellar ataxias: video session

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MAR 27<sup>TH</sup>

4:00 pm - 8:00 pm

@ Nova Medical School (Campo de Santana)

> X Session - Neuro-rehabilitation in  
neurodegenerative diseases

Seminar: Neuro-rehabilitation of movement  
disorders

Rehabilitation of dysphagia and dysphonia

Cognitive therapy

Evaluation

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# NEURODEGENERATIVE / ADVANCED DISEASES COURSE

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## FACULTY

- >> Paulo Bugalho, MD, PhD
- >> Isabel Pavão, MD, PhD
- >> Catarina de Oliveira, MD, PhD
- >> Nuno Sousa, MD, PhD
- >> José Obeso, MD, PhD
- >> Joaquim Ferreira, MD, PhD
- >> Tiago Outeiro, PhD
- >> Gonçalves Ferreira, MD, PhD
- >> Cristina Januário, MD, PhD
- >> Ana Cristina Rego, PhD
- >> Luís Pereira de Almeida, PhD
- >> João Lemos, MD, PhD
- > Alexandre de Mendonça, MD, PhD
- > Luísa Vaqueiro Lopes, PhD
- > Manuela Guerreiro, PhD
- > Maria do Rosário Zincke, lawyer
- > Isabel Santana, MD, PhD
- > Rui Manaças, MD
- > Sónia Batista, MD, PhD
- > João Sá, MD, PhD
- > Mamede Carvalho, MD, PhD
- > Carla Bentes, MD, PhD
- > Miguel Castelo Branco, MD, PhD
- > Jorge Jacinto, MD
- > Vanda Freitas, Psychologist

**CREDITS >> 4 ECTS**

**DURATION >> 36 HOURS**

This event is compliant with the MedTech Europe Code of Ethical Business Practice



**PRICE >> 990€**

## 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.

## PAYMENT OPTIONS

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

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## 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 >> FEBRUARY 23<sup>RD</sup> 2021**

## INSTITUTIONAL PARTNERSHIPS



## SCIENTIFIC PARTNERSHIPS



## INDUSTRY PARTNERSHIPS



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