COURSE DETAIL

THE NEUROBIOLOGY OF NEURODEGENERATIVE DISEASE

Country
United Kingdom - England

Host Institution
University College London

Program(s)
University College London

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Biological Sciences

UCEAP Course Number
158

UCEAP Course Suffix
N

UCEAP Official Title
THE NEUROBIOLOGY OF NEURODEGENERATIVE DISEASE

UCEAP Transcript Title
NEUROBIO/DISEASE

UCEAP Quarter Units
6.00

UCEAP Semester Units

4.00

Course Description

The last few years have seen a remarkable increase in our understanding of the basic biological mechanisms underlying human neurodegenerative diseases. Identification of mutations in a variety of genes found to encode proteins present in neuro-pathological inclusions, has suggested that a common feature of all these diseases might be the intracellular accumulation of fibrous protein aggregates within neurons, resulting in neuronal cell death. This course will discuss this hypothesis in the light of contemporary research and provide a foundation for our current understanding of neurodegenerative diseases. It will focus on the genetics, cellular and molecular biology of Alzheimer's, Huntington's, Parkinson's, Motor Neuron Disease and Prion diseases, with the main emphasis on the mechanisms leading to cell death.

Language(s) of Instruction
English

Host Institution Course Number
ANAT0008

Host Institution Course Title
THE NEUROBIOLOGY OF NEURODEGENERATIVE DISEASE

Host Institution Course Details
https://www.ucl.ac.uk/module-catalogue/modules/the-neurobiology-of-neurodegener...

Host Institution Campus
University College London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biosciences

Course Last Reviewed
2023-2024

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