

## 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 Campus**

University College London

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Biosciences

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