COURSE DETAIL

DEVELOPMENTAL NEUROSCIENCE AND NEUROLOGY

Country
United Kingdom - England

Host Institution
University College London

Program(s)
Summer at University College London

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Biological Sciences

UCEAP Course Number
108

UCEAP Course Suffix
S

UCEAP Official Title
DEVELOPMENTAL NEUROSCIENCE AND NEUROLOGY

UCEAP Transcript Title
DEVELOPMTL NEUROSCI

UCEAP Quarter Units
6.00

UCEAP Semester Units

4.00

Course Description

The brain develops rapidly during the fetal and early postnatal period. While some aspects of development are genetically guided, others are activity-dependent. This means that special patterns of spontaneous electrical activity are required to correctly wire up the brain. This partly explains why fetal and neonatal brain injury can result in life-long negative consequences. Brain injury can result in either suppressed electrical activity or excessive electrical activity in the form of seizures. As a result, fragile early brain networks do not receive the carefully balanced patterns of electrical activity which they need to develop correctly. In this course students learn about this critical foundation of normal brain development, and how it can go wrong.

Language(s) of Instruction
English

Host Institution Course Number
ISSU0116

Host Institution Course Title
DEVELOPMENTAL NEUROSCIENCE AND NEUROLOGY

Host Institution Course Details
https://www.ucl.ac.uk/prospective-students/summer-school/modules/developmental-...

Host Institution Campus
University College London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Neuroscience, Physiology and Pharmacology, Division of Biosciences

Course Last Reviewed
2023-2024

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