

NEURODEVELOPMENT, PREMATURITY AND HOMEOSTASIS

Véronique Dubreuil et Andrée Delahaye

Effectives: 20

Language: English

Prerequisites:

Development, genetics and cell

Where?

Hopital Robert-Debré

When?

November 14-18

Evaluation:

Oral participation

Journal club

Written exam

Questions:

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Number ECTS: 3

Total numbers of hours: 22h

Teaching format:

lectures-

conferences/journal club

Teaching objectives

- Discovering the research field of neurodevelopment and central regulation of homeostasis
- Comprehending the impact of adverse effects (from environment, genetic and prematurity) in this field
- Developing critical thinking in the field.

Teaching outline

The course will focus on general concepts of cortical neural and glial development and the associated disorders having an expression in children.

Examples of constitutive and acquired neurodevelopmental disorders will be presented with special emphasis on the consequence of prematurity on brain development.

Examples of the role of epigenetic factors and the dialogue between brain and periphery will also be brought up.