

## Faculty of Medicine

**INTR2410** Physiological and pharmacological control of energy homeostasis

[15h] 2 credits

**Teacher(s):** Sonia Brichard  
**Language:** French  
**Level:** Second cycle

**Aims**

To understand the mechanisms that regulate body weight, appetite and food intake, and energy expenditure.  
To characterize the deregulation of these mechanisms in some pathological conditions.  
To know the pharmacological tools that are able to interfere with those mechanisms.

**Main themes**

1. Fuel homeostasis
2. Regulation of energy expenditure: role of uncoupling proteins
3. Control of body weight and food intake in physiological and pathophysiological conditions
4. Pharmacological regulation of body weight

**Content and teaching methods**

**Content:** to acquire the basic knowledge on the physiological, pathophysiological, pharmacological mechanisms that control body weight

**Methods:** plenary lectures, personal preparation of scientific articles with oral presentation

**Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)**

Oral test

**Other credits in programs**

**NUT21** Première licence en sciences biomédicales (nutrition humaine)

Mandatory