



Stockholm Stress Center

Stockholm Stress Center Graduate School

## **PhD course: Psychoneuroimmunology**

**Course content:** The main content of the course is an overview of present knowledge in psychoneuroimmunology - the functional relations between the nervous system, the endocrine system, the immune system and behaviour. Lectures include how inflammation affect brain function and interact with the stress system, and how psychoneuroimmunology is related to pain, fatigue, the digestive system and psychiatric disorder.

**Course goal:** At the end of the course the doctoral student will be able to: Describe the essential concepts in psychoneuroimmunology - the basic mechanisms by which the nervous, the endocrine and the immune system communicate, and why behaviour is relevant in this communication. Critically comment on the literature in the field of psychoneuroimmunology. Choose an adequate design for his/her own research questions in psychoneuroimmunology. We also wish this course to be an opportunity to interact with other PhD-students with similar research interests.

**Course format:** Lectures will provide an overview of the essential concepts and the research in the different areas of psychoneuroimmunology for the use of the doctoral student in the preparation of the examination assignment. The doctoral student has access to supervision in the preparation of the written examination.

**Mandatory parts:** Examination seminar, with both oral and written contributions from each participant. In case of absence from the scheduled examination seminar, another occasion for examination can be arranged as agreed upon with the course leader, e.g. if the student is also participating in the course Interdisciplinary perspectives on work, stress, health and performance Stress course 29-30 March.

**Location:** Karolinska Institutet

**Course credits:** 3 hp

**Course period:** 2017-03-20 -- 2017-03-31

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**More information and application:** <https://internwebben.ki.se/en/vacancies-doctoral-courses-spring-2017>