

**Module description**

Module title	PSYCH-MA-PFM-03: Psychoimmunology, Hormones and Behaviour
Subject	Differential Psychology and Personality Research
Associated degree	Master of Science (M.Sc.)
Module coordinator	Prof. Dr. Dr. Jürgen Hennig Juergen.Hennig@psychol.uni-giessen.de
Frequency and duration	Winter and summer (2 semester course, 1.5h per week)
Language of instruction	German
Examination	Written examination or presentation or reports
ECTS	10 (for full 2 semester module; partial module = 5)
Prerequisites	none
Learning outcomes	The goal of the module is for students to learn about the theoretical foundations of complex interactions between the immune and neuroendocrine systems as well as the significance of those interactions to the psyche and behaviour. Furthermore, with practical laboratory training, students should gain theoretical knowledge of methodological and conceptual procedures in psychoneuroimmunology as well as practical skills for the analysis of hormonal and immunological parameters.
Module content	The effects of the immune and neuroendocrine systems on each other as well as the significance of those effects for the psyche and behaviour; contemporary topics in psychoneuroimmunology (for example, stress and immunological functions, the conditioning of immunological parameters, the importance of hormonal and immunological functions in mental health issues) Methodological and conceptual procedures within psychoneuroimmunology; study of theoretical concepts and practical skills related to hormone analysis within the context of laboratory training (for example, analysis of steroid hormones using ELISA)