

Prof. Dr. Kálmán Bernadette MTA doktora

Basic concepts and clinical applications of immunology, immunogenetics and neuroimmunology. Pécs 2017. március 9-10.

Helyszín: Pécsi Diagnosztikai Központ Rét utca 2 (szeminárium terem).

DESCRIPTION OF COURSE

CODE:

CREDIT

(The code and credit value is filled in by the PhD Office)

1. Title of the course: Basic concepts and clinical applications of immunology, immunogenetics and neuroimmunology

2. The host department of the course: The Neurology Institute – University of Pecs, School of Medicine, CT lecture room, 7623. Pécs, Rét street 2.

3. The course's instructor in charge: Prof. Dr. Bernadette Kalman, MD, PhD, DSc

Lectures will be given by:

Bernadette Kalman, MD, PhD, DSc;

Peter Acs, MD, PhD;

Istvan Gyurjan, PhD

4. Short description of the syllabus (4-5 sentences): This course will review basic concepts of immunology and immunogenetics, highlight methods of cellular and humoral immunology as well as of immunogenetics, and discuss pathogenesis of several neuroimmune disorders. The participants will acquire knowledge about modern cellular, humoral and molecular immunology applied to clinical practice primarily in neurology and learn about the utility of new biological therapies.

5. Declaration of the course:

Semester: autumn spring March 9-10, 2017 both

Application deadline: Feb 17, 2017

Application: name: Dóra Horvath

telephone: 36-94-515-353

email: horvath.dora@markusovszky.hu

6. Maximum number of attending students: 30

7. Criteria of acceptance in case of overbooking: order of application

declaration of acceptance from
the leader of the course

8. Time frame of education total hours of the course: 14 h

(2x7h on consecutive days)

number of lectures per week:

number of practices per week:

number of seminars per week:

9. Type of examination: oral written
10. Type of remedial exam: oral written
11. Criteria of accepting the course (exams, maximum number of absence, etc.): exam and min. 11 attended lectures

12. Opportunities for making up for non-attendance: review of the lecture powerpoint slides and the recommended literature (book and up to date publications)

13. List of resources (book, note, other) required for learning the curriculum:

Lecture material (powerpoint, pdf)

Kalman B and Brannagan T. Neuroimmunology in clinical practice. Blackwell Publishing 2007.

Up to date publications suggested during the course.

14. Topics and instructors of the activities (all lectures, practices, seminars separately):

Tuesday March 9, 2017

All lectures will be given by Prof. Dr. B. Kalman

8-8:45 Development of the immune system

9-9:45 The innate immune system

10-10:45 The adaptive immune system

11-11:45 Antigen specific response

12-12:45 The TCR and Ig rearrangement

Lunch break

14-14:45 The major histocompatibility complex

15-15:45 Costimulatory molecules

Wednesday March 10, 2017

Lectures will be presented as indicated

8-8:45 Autoimmunity and complex trait genetics: overview of latest research results (Prof. Dr. B. Kalman)

9-9:45 Expanding knowledge in paraneoplastic syndromes (Prof. Dr. B. Kalman)

10-10:45 The latest discoveries in autoimmune encephalitides (Prof. Dr. B. Kalman)

11-11:45 Pathogenesis of multiple sclerosis and other demyelinating disorders of the CNS (Dr. Peter Acs)

12-12:45 Neurological involvement in systemic autoimmunity (Dr. Peter Acs)

Lunch break

14-14:45 First and next generation of biological therapies applied in neuroimmunology (Dr. Peter Acs)

15-15:45 Written exam