

ECTRIMS FOCUSED WORKSHOP 2015

Immunology of Multiple Sclerosis – from a human point of view

5-6 March 2015 – Larnaca, Cyprus

Thursday, 5 MARCH 2015

- 09.00 – 09.15** **Welcome and Introduction**
- 09.15 – 10.45** **Session 1: Pathology of MS**
Chair: X. Montalban (Barcelona, ES)
- Neuropathological mechanisms of demyelination and neuroaxonal damage
R. Reynolds (London, UK)
- Monocytes and microglia
C.D. Dijkstra (Amsterdam, NL)
- Mitochondria and oxidative damage in MS
D. Mahad (Edinburgh, UK)
- 10.45 – 11.15** **Coffee Break**
- 11.15 – 12.45** **Session 2: Role of T cells**
Chair: R. Liblau (Toulouse, FR)
- CD4 T cells - Th1, Th17, Th¹GM-CSF⁺ or TFH cells?
B. Becher (Zurich, CH)
- CD8 T cells
M. Friese (Hamburg, DE)
- Dendritic cells
J. Lünemann (Zurich, CH)
- 12.45 – 13.45** **Lunch Break**
- 13.45 – 15.15** **Session 3: B cells and leukocyte recruitment**
Chair: T. Derfuss (Basel, CH)
- B cells – immunological functions in MS
M. Krumbholz (Munich, DE)
- Autoantibodies and complement
B. Hemmer (Munich, DE)
- Trafficking of leukocytes into the CNS
B. Engelhardt (Bern, CH)
- 15.15 – 15.45** **Coffee Break**

15.45 – 17.15 **Session 4: Role of the innate immune system**

Chair: L. Kappos (Basel, CH)

Innate lymphoid cells and Interleukin-2

B. Bielekova (Bethesda, US)

Non-classical immune cells

T. Korn (Munich, DE)

Microbiota and immune activation

H. Wekerle (Munich, DE)

19.00 **Workshop Dinner**

FRIDAY, 6 MARCH 2015

09.00 – 10.30 **Session 5: Genetic and environmental effects**

Chair: A. Oturai (Copenhagen, DK)

Dissecting transcriptional networks related to MS susceptibility

P. de Jager (Boston, US)

Genetic regulation of immune activation

D. Hafler (New Haven, US)

Gene-environment interactions

I. Kockum (Stockholm, SE)

10.30 – 11.00 **Coffee break**

11.00 – 12.30 **Session 6: Epigenetics and immune activation**

Chair: K. Selmaj (Lodz, PL)

Epigenetic investigation of autoimmune disease: strategies and pitfalls

T. Ekström (Stockholm, SE)

microRNA in MS

R. Lindberg Gasser (Basel, CH)

Immune regulation in pregnancy

H. Bach Søndergaard (Copenhagen, DK)

12.30 – 13.30 **Lunch Break**

13.30 – 15.00 **Session 7: Role of regulatory T cells**

Chair: C. Lubetzki (Paris, FR)

FoxP3 regulatory T cells in MS

B. Wildemann (Heidelberg, DE)

Other regulatory T cells in MS

S. Issazadeh-Navikas (Copenhagen, DK)

Learning immune pathogenesis from clinical trials and application.

H. Wiendl (Munster, DE)

15.00 – 15.30	Coffee Break
15.30 – 17.00	Session 8: Treatment of MS Chair: D. Miller (London, UK) Emerging MS therapies <i>P. Soelberg Sørensen (Copenhagen, DK)</i> Tolerogenic cells and peptide therapy <i>A. Lutterotti (Zurich, CH)</i> Treating progressive MS <i>F. Sellebjerg (Copenhagen, DK)</i>
17.00 – 17.15	Wrap-up: conclusion and closing remarks