



HEIDELBERG
FACULTY OF
MEDICINE

HeiCuMed
Heidelberg Curriculum Medicinale

Lecture Series (LSF#274363)

Immune and Metabolic Mechanisms in Chronic Inflammatory Diseases and Autoimmunity

Dr. Margarida Souto-Carneiro

Department of Internal Medicine V: Hematology, Oncology and Rheumatology

In collaboration with Prof. Dr. Yvonne Samstag (Institute of Immunology)

and the RTG train4CIM (www.cimresearch.org/train4cim)

Schedule

Tuesdays, 10.30-12.00 | INF 306, SR 18b/c

Date	Content
17.04.2018	Overview of metabolic pathways and key metabolic enzymes in immune cells
24.04.2018	Experimental techniques to study immunometabolism
01.05.2018	<i>Holiday</i>
15.05.2018	Metabolic remodeling during lymphoid cell development
22.05.2018	Metabolic remodeling in the course of an immune response (primary response)
29.05.2018	Metabolic remodeling in the course of an immune response (secondary response)
05.06.2018	Inflammation and changes in macrophage metabolism
12.06.2018	<i>No lecture</i>
19.06.2018	T cell metabolism in infection, cancer and autoimmunity
26.06.2018	Linking B cell metabolism and (auto)antibody production
03.07.2018	Metabolic fingerprint of regulatory T and B cells
10.07.2018	(Epi)genetic control of immunometabolism
17.07.2018	Therapeutic metabolic remodeling of immune cells (part 1)
24.07.2018	Therapeutic metabolic remodeling of immune cells (part 2)

Information/registration: katrin.huebner@immu.uni-heidelberg.de



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General information

- Lecturer: Dr. Margarida Souto-Carneiro
(margarida.souto-carneiro@med.uni-heidelberg.de)
- Total credit points: 1.5 CP
- CP certification (Bescheinigung) for the registered attendance of at least 11 lectures (signed presence list)
- Formal registration: Dr. Katrin Hübner
(katrin.huebner@immu.uni-heidelberg.de)
- Lecture time: 10.30-12.00, Tuesdays
- Place: SR 18 b/c, INF 306

Introductory bibliography suggestions:

1. RM Loftus, DK Finlay (2016). Immunometabolism: Cellular Metabolism Turns Immune Regulator. *Journal of Biological Chemistry*. 291(1): 1-10.
2. TE O'Sullivan, JC Sun (2017). Innate Lymphoid Cell Immunometabolism. *Journal of Molecular Biology*. 429(23): 3577-3586.