

Seminar in Microbiology

Monday, November 2, 2015

Salle de séminaire 7172, CMU

11:30 – 12:30

Andrea Ablasser

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Lausanne



Intracellular DNA sensing mechanisms

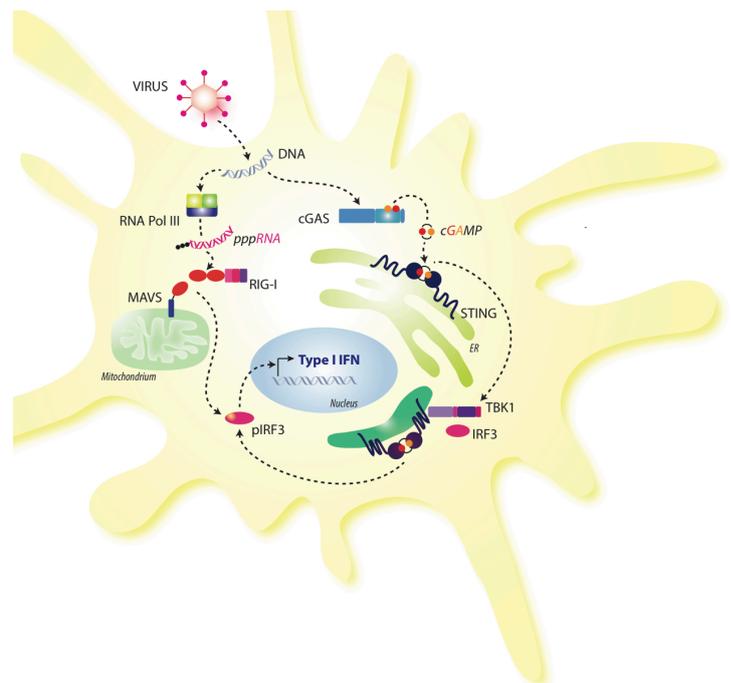
Andrea Ablasser and her team are interested in deciphering the intracellular signaling system in innate immunity.

Wassermann R, Gulen MF, Sala C, Perin SG, Lou Y, Rybniker J, Schmid-Burgk JL, Schmidt T, Hornung V, Cole ST, **Ablasser A.** (2015) Mycobacterium tuberculosis Differentially Activates cGAS- and Inflammasome-Dependent Intracellular Immune Responses through ESX-1. *Cell Host Microbe*. 17:799-810

Ablasser A, Hemmerling I, Schmid-Burgk JL, Behrendt R, Roers A, Hornung V. TREX1 deficiency triggers cell-autonomous immunity in a cGAS-dependent manner. *J Immunol*. 92:5993-7.

Ablasser A, Schmid-Burgk JL, Hemmerling I, Horvath GL, Schmidt T, Latz E, Hornung V. (2013) Cell intrinsic immunity spreads to bystander cells via the intercellular transfer of cGAMP. *Nature* 503:530-4.

Ablasser A, Goldeck M, Cavlar T, Deimling T, Witte G, Röhl I, Hopfner KP, Ludwig J, Hornung V. (2013) cGAS produces a 2'-5'-linked cyclic dinucleotide second messenger that activates STING. *Nature* 498:380-4



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Sandwiches will be offered after the seminar