UNIVERSITÄT DUISBURG ESSEN

Offen im Denken

15th Summer Academy "Infection and Immunity"
Lecture 14 on Tuesday, 4 August, 2026

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https://www.uni-due.de/hiv/translationaleforschung_eng.php

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Natural killer cells – friend or foe?

Publications for seminar preparation:

Schimmer S, Kerkmann L, Kahlert N, Jubeh SA, Werner T, Corkish C, Prendeville H, Finlay DK, Sutter K, Dittmer U, **Littwitz-Salomon E**.
Dietary lipid overload creates a suppressive environment that impedes the antiviral functions of NK cells.
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Elisabeth Littwitz-Salomon, Diana Moreira, Joe N Frost, Chloe Choi, Kevin T Liou, David K Ahern, Simon O'Shaughnessy, Bernd Wagner, Christine A Biron, Hal Drakesmith, Ulf Dittmer , David K Finlay
Metabolic requirements of NK cells during the acute response against retroviral infection.
Nature Communications (2021). Doi: 10.1038/s41467-021-25715-z

Elisabeth Littwitz-Salomon, Ulf Dittmer, Kathrin Sutter
Insufficient natural killer cell responses against retroviruses: how to improve NK cell killing of retrovirus-infected cells
Retrovirology (2016). Doi: 10.1186/s12977-016-0311-8.

Manja Idorn and Pernille Hojman
Exercise-Dependent Regulation of NK Cells in Cancer Protection
Trends in Molecular Medicine (2016). Doi: 10.1016/j.molmed.2016.05.007

Josh Crouse, Haifeng C Xu, Philipp A Lang, Annette Oxenius
NK cells regulating T cell responses: mechanisms and outcome
Trends Immunol 36 (2015). Doi: 10.1016/j.it.2014.11.001

Yannick O Alexandre, Clément D Cocita, Sonia Ghilas, Marc Dalod
Deciphering the role of DC subsets in MCMV infection to better understand immune protection against viral Infections
Frontiers in Immunology (2014). doi: 10.3389/fmicb.2014.00378

Eric Vivier, Sophie Ugolini, Didier Blaise, Christian Chabannon and Laurent Brossay
Targeting natural killer cells and natural killer T cells in cancer
Nat Rev Immunol (2012). Doi:10.1038/nri3174