

**15<sup>th</sup> Summer Academy “Infection and Immunity”**  
**Lecture 10 on Friday, 31 July, 2026**

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**“Immune mechanisms of virus control”**

**Publications for seminar preparation:**

Adomati T, Cham LB, Hamdan TA, Bhat H, Duhan V, Li F, Ali M, Lang E, Huang A, Naser E, Khairnar V, Friedrich SK, Lang J, Friebus-Kardash J, Bergerhausen M, Schiller M, Machlah YM, Lang F, Häussinger D, Ferencik S, Hardt C, Lang PA, Lang KS. [Dead cells induce innate energy via Merck after acute viral infection](#). Cell Reports 2020; 30(11):3671-3681.

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Khairnar V, Duhan V, Patil AM, Zhou F, Bhat H, Thoens C, Sharma P, Adomati T, Friedrich SK, Bezgovsek J, Dreesen JD, Wennemuth G, Westendorf AM, Zelinsky G, Dittmer U, Hardt C, Timm J, Göthert JR, Lang PA, Singer BB, Lang KS. [CEACAM1 promotes CD8+ T cell responses and improves control of a chronic viral infection](#). Nature communications 2018;9(1):2561

Kalkavan H, Sharma P, Kasper S, Helfrich I, Pandya AA, Gassa A, Virchow I, Flatz L, Brandenburg T, Namineni S, Heikenwalder M, Höchst B, Knolle PA, Wollmann G, von Laer D, Drexler I, Rathbun J, Cannon PM, Scheu S, Bauer J, Chauhan J, Häussinger D, Willimsky G, Löhning M, Schadendorf D, Brandau S, Schuler M, Lang PA, Lang KS. [Spatiotemporally restricted arenavirus replication induces immune surveillance and type I interferon-dependent tumour regression](#). Nature communications 2017;8:14447.

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