

## List of published preliminary research relevant to the research program

### Kaderali, Lars

#### Peer-reviewed Publications (selection)

1. Amberkar SS, **Kaderali L**. 2015. An integrative approach for a network based meta-analysis of viral RNAi screens. *Algorithms Mol Biol* 10: 6
2. Binder M, Sulaimanov N, Clausznitzer D, Schulze M, Huber CM, Lenz SM, Schloder JP, Trippler M, Bartenschlager R, Lohmann V, **Kaderali L**. 2013. Replication vesicles are load- and choke-points in the hepatitis C virus lifecycle. *PLoS Pathog* 9:e1003561
3. Clausznitzer D, Harnisch J, **Kaderali L**. 2016. Multi-scale model for hepatitis C viral load kinetics under treatment with direct acting antivirals. *Virus Res* 218:96-101
4. **Kaderali L**, Theis F, Ganusov VV, Ciupe SM, Mehr R, Ribeiro RM, Hernandez-Vargas EA. 2018. Editorial: Integrative Computational Systems Biology Approaches in Immunology and Medicine. *Front Microbiol* 9:3338 (Editorial)
5. **Kaderali L**, Thiel V. 2016. Systems biology of viral infection. *Virus Res* 218:1 (Editorial)
6. Kiani NA, **Kaderali L**. 2014. Dynamic probabilistic threshold networks to infer signaling pathways from time-course perturbation data. *BMC Bioinformatics* 15:250
7. Lauber C, Vieyres G, Terczynska-Dyla E, Anggakusuma, Dijkman R, Gad HH, Akhtar H, Geffers R, Vondran FW, Thiel V, **Kaderali L**, Pietschmann T, Hartmann R. 2015. Transcriptome analysis reveals a classical interferon signature induced by IFNlambda4 in human primary cells. *Genes Immun* 16:414-421
8. Matos MR, Knapp B, **Kaderali L**. 2015. IpNet: a linear programming approach to reconstruct signal transduction networks. *Bioinformatics* 31:3231-3233
9. Palma Medina LM, Becker AK, Michalik S, Yedavally H, Raineri EJM, Hildebrandt P, Gesell Salazar M, Surmann K, Pfortner H, Mekonnen SA, Salvati A, **Kaderali L**, van Dijk JM, **Völker U**. 2019. Metabolic Cross-talk Between Human Bronchial Epithelial Cells and Internalized *Staphylococcus aureus* as a Driver for Infection. *Mol Cell Proteomics* 18:892-908
10. Zitzmann C, **Kaderali L**. 2018. Mathematical Analysis of Viral Replication Dynamics and Antiviral Treatment Strategies: From Basic Models to Age-Based Multi-Scale Modeling. *Front Microbiol* 9:1546 (Review)