



## Matthias Habjan

### Contact

Matthias Habjan

### Units

Institute of Immunobiology

## Publications (14)

Kindler E, Karl N, Gaughan C, van Kuppeveld F, Silverman R, Keller M, Ludewig B, Bergmann C, Ziebuhr J, Weiss S, Kalinke U, Elliot R, Cervantes-Barragan L, Habjan M, Gil Cruz C, Spanier J, Li Y, Wilhelm J, Rabouw H, Züst R, Hwang M, V'kovski P, Stalder H, Marti S, Thiel V. Early endonuclease-mediated evasion of RNA sensing ensures efficient coronavirus replication. *PLoS Pathog* 2017; 13:e1006195.

Habjan M, Thiel V, Ziebuhr J, Gil Cruz C, Kindler E, Mann A, Eberl C, Holze C, Benda C, Lacerda L, Hubel P, Pichlmair A. Sequestration by IFIT1 impairs translation of 2'O-unmethylated capped RNA. *PLoS Pathog* 2013; 9:e1003663.

Bertram S, Thiel V, Hofmann-Winkler H, Schneider H, Winkler M, Welsch K, Glowacka I, Gierer S, Heurich A, Habjan M, Dijkman R, Pöhlmann S. TMPRSS2 Activates the Human Coronavirus 229E for Cathepsin-Independent Host Cell Entry and Is Expressed in Viral Target Cells in the Respiratory Epithelium. *J Virol* 2013; 87:6150-60.

Züst R, Ludewig B, Siddell S, Diamond M, Barchet W, Baker S, Szretter K, Ziebuhr J, Neuman B, Maier R, Habjan M, Cervantes-Barragan L, Thiel V. Ribose 2'-O-methylation provides a molecular signature for the distinction of self and non-self mRNA dependent on the RNA sensor Mda5. *Nat Immunol* 2011; 12:137-43.

Pichlmair A, Habjan M, Unger H, Weber F. Virus-like particles expressing the nucleocapsid gene as an efficient vaccine against Rift Valley fever virus. *Vector Borne Zoonotic Dis* 2010; 10:701-3.

Gori Savellini G, Weber F, Terrosi C, Habjan M, Martorelli B, Cusi M. Toscana virus induces interferon although its NSs protein reveals antagonistic activity. *J Gen Virol* 2010; 92:71-9.

Kuri T, Habjan M, Penski N, Weber F. Species-independent bioassay for sensitive quantification of antiviral type I interferons. *Virology* 2010; 407:50-57.

Kuri T, Zhang X, Habjan M, Martínez-Sobrido L, García-Sastre A, Yuan Z, Weber F. Interferon priming enables cells to partially overturn the SARS coronavirus-induced block in innate immune activation. *J Gen Virol* 2009; 90:2686-94.

Habjan M, Pichlmair A, Elliott R, Overby A, Glatter T, Gstaiger M, Superti-Furga G, Unger H, Weber F. NSs protein of rift valley fever virus induces the specific degradation of the double-stranded RNA-dependent protein kinase. *J Virol* 2009; 83:4365-75.

Näslund J, Lagerqvist N, Habjan M, Lundkvist A, Evander M, Ahlm C, Weber F, Bucht G. Vaccination with virus-like particles protects mice from lethal infection of Rift Valley Fever Virus. *Virology* 2009; 385:409-15.

Habjan M, Penski N, Wagner V, Spiegel M, Overby A, Kochs G, Huiskonen J, Weber F. Efficient production of Rift Valley fever virus-like particles: The antiviral protein MxA can inhibit primary transcription of bunyaviruses. *Virology* 2009; 385:400-8.

Habjan M, Penski N, Spiegel M, Weber F. T7 RNA polymerase-dependent and -independent systems for cDNA-based rescue of Rift Valley fever virus. *J Gen Virol* 2008; 89:2157-66.

Habjan M, Mirazimi A, Mühlberger E, Schneider U, Pichlmair A, Wagner V, Zimmermann P, Martin A, Schumann M, Klingström J, Andersson I, Weber F. Processing of genome 5' termini as a strategy of negative-strand RNA viruses to avoid RIG-I-dependent interferon induction. *PLoS one* 2008; 3:e2032.

Blakqori G, Staeheli P, Michiels T, Weiss S, Kalinke U, Kohl A, Fragkoudis R, Attarzadeh-Yazdi G, Olson K, Sánchez-Vargas I, Blair C, Habjan M, Delhaye S, Weber F. La Crosse bunyavirus nonstructural protein NSs serves to suppress the type I interferon system of mammalian hosts. *J Virol* 2007; 81:4991-9.

## Projects (0)

No results found.

---

Kantonsspital St.Gallen

Rorschacher Strasse 95

CH-9007 St.Gallen

T: +41 71 494 11 11

[support.forschung@kssg.ch](mailto:support.forschung@kssg.ch)