

## Dr. Alessia RUGGIERI

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### Research Activities

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Since 2014 **Independent Research Group Leader** at the Department of Infectious Diseases, Molecular Virology, Heidelberg University, Germany.

2008 - 2013 **Postdoctoral Fellow** at the Department of Infectious Diseases, Molecular Virology, Heidelberg University, Germany.

2004 - 2008 **Postdoctoral Fellow** at the Institute of Human Genetics, University of Saarland, Germany.

### Education

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2000 - 2003 **PhD** in Virology at the École Normale Supérieure de Lyon, France.

1999 - 2000 **Diploma thesis** (DEA, Diplôme d'Études Approfondies) in Differentiation, Genetics and Immunology at the University Claude Bernard Lyon 1, Lyon, France.

1998 - 1999 **Master degree** (Maîtrise) in Cellular Biology and Physiology at the University Claude Bernard Lyon 1, Lyon, France.

1997 - 1998 **Bachelor degree** (Licence) in Cellular Biology and Physiology at the University Claude Bernard Lyon 1, Lyon, France.

1995 - 1997 **DEUG** (Diplôme d'Étude Universitaires Générales) in Biology at the University of Metz, France.

### Selected Publications

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<sup>†</sup>Co-corresponding authors, \*Co-first authors

1. Klein P\*, Kallenberger SM\*, Roth H, Roth K, Ly-Hartig TBN, Magg V, Aleš J, Talemi SR, Qiang Y, Wolf S, Oleksiuk O, Kurilov R, Di Ventura B, Bartenschlager R, Eils R, Rohr K, Hamprecht FA, Höfer T, Fackler OT, Stoecklin G, Ruggieri A. Temporal control of the integrated stress response by a stochastic molecular switch. 2022. *Sci Adv.* 8(12):eabk2022.  
doi: 10.1126/sciadv.abk2022
2. Talemi SR, Bartenschlager M, Schmid B, Ruggieri A<sup>†</sup>, Bartenschlager R<sup>†</sup>, Höfer T<sup>†</sup>. Dengue virus is sensitive to inhibition prior to productive replication. 2021. *Cell Rep* 37(2):109801.  
doi: 10.1016/j.celrep.2021.109801.
3. Eiermann N, Haneke K, Sun Z, Stoecklin G, Ruggieri A. Dance with the devil: Stress granules and signaling in antiviral responses. 2020. *Viruses* 12(9), 984.  
doi: 10.3390/v12090984

4. Haneke K, Schott J, Lindner D, Hollensen AK, Damgaard CK, Mongis C, Knop M, Palm W, Ruggieri A, Stoecklin G. CDK1 couples proliferation with protein synthesis. 2020. *J Cell Biol.* 219(3): e201906147.  
doi: 10.1083/jcb.201906147
5. Brocard M, Iadevaia V, Klein P, Hall B, Lewis G, Lu J, Burke J, Willcocks M, Parker R, Goodfellow IG, Ruggieri A, Locker N. Norovirus infection results in eIF2 $\alpha$ -independent host translation shut-off and remodels the G3BP1 interactome evading stress granule formation. 2020. *PLoS Pathog.* 16(1):e1008250.  
doi: 10.1371/journal.ppat.1008250
6. Lee J-Y, Cortese M, Haselmann U, Tabata K, Romero-Brey I, Funaya C, Rohr K, Qiang Y, Ritter C, Schwab Y, Schieber N, Bartenschlager M, Kallis S, Ruggieri A, Bartenschlager R. Spatio-temporal coupling of the hepatitis C virus replication cycle by creation of a lipid droplet proximal membranous replication compartment. 2019. *Cell Rep.* 27(12):3602-3617.e5.  
doi: 10.1016/j.celrep.2019.05.063.
7. Roth H, Magg V, Uch F, Mutz P, Klein P, Haneke K, Lohmann V, Bartenschlager R, Fackler OT, Locker N, Stoecklin G, Ruggieri A. Flavivirus infection uncouples translation suppression from cellular stress responses. 2017. *mBio* 8(1):e02150-16.  
doi: 10.1128/mBio.02150-16
8. Chatel-Chaix L, Cortese M, Romero-Brey I, Bender S, Fischl W, Scaturro P, Fischer B, Ruggieri A, Bartenschlager R. Dengue virus modulates mitochondrial morphodynamics through the inhibition of DRP-1 for the benefit of viral replication. 2016. *Cell Host Microbe* 20(3):342-56.  
doi: 10.1016/j.chom.2016.07.008
9. Hiet M-S, Bauhofer O, Zayas M, Roth H, Tanaka Y, Schirmacher P, Willemsen J, Grünvogel O, Bender S, Binder M, Lohmann V, Lotteau V, Ruggieri A<sup>†</sup>, Bartenschlager R<sup>†</sup>. Control of temporal activation of hepatitis C virus-induced interferon response by domain 2 of nonstructural protein 5A. 2015. *J Hepatol.* 63(4):829-37.  
doi: 10.1016/j.jhep.2015.04.015
10. Ruggieri A, Dazert E, Metz P, Hofmann S, Bergeest JP, Mazur J, Bankhead P, Hiet MS, Kallis S, Alvisi G, Samuel CE, Lohmann V, Kaderali L, Rohr K, Frese M, Stoecklin G, Bartenschlager R. Dynamic oscillation of translation and stress granule formation mark the cellular response to virus infection. 2012. *Cell Host Microbe* 12(1): 71-85.  
doi: 10.1016/j.chom.2012.05.013