

## S. Avilov. Peer-reviewed articles, 2008-2016

1. Ferrando-May E, Hartmann H, Reymann J, Ansari N, Utz N, Fried HU, Kukat C, Peychl J, Liebig C, Terjung S, Laketa V, Sporbert A, Weidtkamp-Peters S, Schauss A, Zuschtratter W, **Avilov S**, and the German Biolmaging network (2016) Advanced light microscopy core facilities: Balancing service, science and career. *Microsc Res Tech.* 79:463-479. doi: 10.1002/jemt.22648.
2. Chatterjee A, Seyfferth J, Lucci J, Gilsbach R, Preissl S, Böttinger L, Mårtensson CU, Panhale A, Stehle T, Kretz O, Sahyoun AH, **Avilov S**, Eimer S, Hein L, Pfanner N, Becker T, Akhtar A. (2016) MOF Acetyl Transferase Regulates Transcription and Respiration in Mitochondria. *Cell.* Oct 20;167(3):722-738.e23. doi: 10.1016/j.cell.2016.09.052.
3. **S. Avilov (co-corresponding)**, J. Magnus, S. Cusack, N. Naffakh (2016) Time-Resolved Visualisation of Nearly-Native Influenza A Virus Progeny Ribonucleoproteins and Their Individual Components in Live Infected Cells. *PLoS One* 11(3): e0149986. doi: 10.1371/journal.pone.0149986.
4. **S. Avilov**, R. Berardozzi, M.S. Gunewardene, V. Adam, S.T. Hess, D. Bourgeois (2014) *In cellulo* evaluation of phototransformation quantum yields in fluorescent proteins used as markers for single-molecule localization microscopy. *PLoS One* 9(6):e98362. doi: 10.1371/journal.pone.0098362. eCollection 2014.
5. **S.V. Avilov (corresponding)**, D. Moisy, N. Naffakh, S. Cusack (2012) Influenza A virus progeny vRNP trafficking in live infected cells studied with the virus-encoded fluorescently tagged PB2 protein. *Vaccine* 30(51), 7411-7.
6. **S.V. Avilov**, D. Moisy, S. Munier, O. Schraidt, N. Naffakh, S. Cusack (2012) Replication competent influenza A virus encoding split-GFP tagged PB2 polymerase subunit allows live cell imaging of the viral life cycle. *J. Virol.* 86 (3), 1433-48.
7. **S.V. Avilov**, Ch. Boudier, M. Gottikh, J.-L. Darlix, Y. Mély (2012) Characterization of the inhibition mechanism of the HIV-1 nucleocapsid protein chaperone activities by methylated oligoribonucleotides. *Antimicrob. Agents Chemother.* 56, 2, 1010-1018.
8. S. Huet, **S.V. Avilov**, L. Ferbitz, N. Daigle, S. Cusack, J. Ellenberg (2010) Nuclear import and assembly of influenza A virus RNA polymerase studied in live cells by fluorescence cross-correlation spectroscopy. *J. Virol.*, 84(3), 1254-64.
9. D. Moisy, **S. Avilov**, Y. Jacob, B. Laoide, X. Ge, F. Baudin, N. Naffakh, and J.-L. Jestin (2012) HMGB1 protein binds to influenza virus nucleoprotein and promotes viral replication. *J. Virol.* 86 (17), P. 9122-33.
10. N. Martinelli, B. Hartlieb, Y. Usami, Ch. Sabin, A. Dordor, N. Miguet, **S.V. Avilov**, E.A. Ribeiro Jr, H. Gottlinger, W. Weissenhorn (2012) CC2D1A is a regulator of ESCRT-III CHMP4B *J. Mol. Biol.*, 419, 1-2, 75-88.
11. B. Grigorov, A. Bocquin, C. Darlix, **S. Avilov**, Y. Mély, G. Divita, M. Gottikh, M. Witvrouw and J.-L. Darlix (2011) Identification of a methylated oligoribonucleotide as a potent inhibitor of HIV-1 reverse transcription complex. *Nucl. Acids Res.* 39 (13), 5586-96.
12. **S.V. Avilov**, J. Godet, E. Piemont, Y. Mely (2009) Site-specific characterization of HIV-1 nucleocapsid protein binding to oligonucleotides with two potential binding sites. *Biochemistry*, 48 (11), 2422–2430.
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