

# Martin Obr

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## Education

- 2013 - 2017** PhD in Biology, HBIGS International PhD Program of Molecular and Cellular biology, University of Heidelberg, Germany
- 2011 - 2013** M.Sc. in Genetics, Molecular Biology and Virology, Charles University, Prague, Czech Republic
- 2010 - 2012** Ing. (equal to M.Sc.) in General and Applied Biochemistry, Institute of Chemical Technology, Prague, Czech Republic
- 2007 - 2010** B.Sc. in Chemistry, Institute of Chemical Technology, Prague, Czech Republic

## Academic positions

- 2018 - present** Postdoctoral fellow at Institute of Science and Technology Austria, Klosterneuburg, Austria
- 2017 - 2018** Postdoctoral fellow at Department of Infectious Diseases of Heidelberg University Hospital, Heidelberg, Germany
- 2013 - 2017** Graduate student at Department of Infectious Diseases of Heidelberg University Hospital, Heidelberg, Germany
- 2009 - 2013** Undergraduate student at Institute of Organic Chemistry and Biochemistry, Czech Academy of Sciences, Prague

## Publications

Turonova B, Hagen W, **Obr M**, Mosalaganti S, Beugelink J, Zimmerli C, Kraeusslich H-G, and Beck M. 2020. Benchmarking tomographic acquisition schemes for high-resolution structural biology. Nature Communications. In Press.

**Obr M**, Schur FKM. 2019. Structural analysis of pleomorphic and asymmetric viruses using cryo-electron tomography and subtomogram averaging. Advances in Virus Research. 105:117-159

**Obr M**, Kräusslich H-G. 2018. The secrets of the stability of the HIV-1 capsid. Elife. 7, e38895.

Schur FKM, **Obr M**, Hagen WJH, Wan W, Jakobi AJ, Kirkpatrick JM, Sachse C, Kräusslich H-G, Briggs JAG. 2016. An atomic model of HIV-1 capsid-SP1 reveals structures regulating assembly and maturation. Science 353:506–8.

**Obr M**, Hadravová R, Doležal M, Křížová I, Papoušková V, Zídek L, Hrabal R, Ruml T, Rumlová M. 2014. Stabilization of the  $\beta$ -hairpin in Mason-Pfizer monkey virus capsid protein- a critical step for infectivity. Retrovirology 11:94.