
Challenges in Searching for Zika Therapeutics

Yuguang Zhao*

***Corresponding author:** Yuguang Zhao, Division of Structural Biology, University of Oxford, The Wellcome Trust Centre for Human Genetics, Headington, Oxford, OX3 7BN, UK, Tel: +44-0-1865 287551; E-mail: yuguang@strubi.ox.ac.uk

Received

... (...) ...

Acknowledgments

This is a contribution from the UK Instruct Centre and supported by BIOSTRUCT-X (grant 283570). The Wellcome Trust Centre for Human Genetics is supported by the Wellcome Trust (grant 090532/Z/09/Z).

References

1. Grant A, Ponia SS, Tripathi S, Balasubramaniam V, Miorin L, et al. (2016) Zika virus targets human stat2 to inhibit type I interferon signaling. *Cell Host Microbe*.
2. Dang J, Tiwari SK, Lichinchi G, Qin Y, Patil VS, et al. (2016) Zika virus depletes neural progenitors in human cerebral organoids through activation of the innate immune receptor TLR3. *Cell Stem Cell*.
3. Tang H, Hammack C, Ogden SC, Wen Z, Qian X, et al. (2016) Zika virus infects human cortical neural progenitors and attenuates their growth. *Cell Stem Cell* 18: 587-590.
4. Garcez PP, Loiola EC, da Costa RM, Higa LM, Trindade P, et al. (2016) Zika virus impairs growth in human neurospheres and brain organoids. *Science* 352: 816-818.
5. Kostyuchenko VA, Lim EX, Zhang S, Fibriansah G, Ng TS, et al. (2016) Structure of the thermally stable Zika virus. *Nature* 533: 425-428.
6. Sirohi D, Chen Z, Sun L, Klose T, Pierson TC, et al. (2016) The 3.8 Å resolution cryo-EM structure of Zika virus. *Science* 352: 467-470.
7. Dai L, Song J, Lu X, Deng YQ, Musyoki AM, et al. (2016) Structures of the antibody. *Cell Host Microbe* 19: 696-704.
8. Nowakowski TJ, Pollen AA, Di Lullo E, Sandoval-Espinosa C, Bershteyn M, et al. *Nature* 533: 977-983