

Stanford



Yaw Shin Ooi

Postdoctoral Research Fellow, Microbiology and Immunology

Bio

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Society for Virology (2012 - present)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Albert Einstein College of Medicine , Cell Biology (2014)
- Master of Science, Albert Einstein College of Medicine , Biomedical Sciences (2010)

STANFORD ADVISORS

- Jan Carette, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **An RNA-centric dissection of host complexes controlling flavivirus infection.** *Nature microbiology*
Ooi, Y. S., Majzoub, K., Flynn, R. A., Mata, M. A., Diep, J., Li, J. K., van Buuren, N., Rumachik, N., Johnson, A. G., Puschnik, A. S., Marceau, C. D., Mlera, L., Grabowski, et al
2019
- **MECHANISM OF TETHERIN INHIBITION OF ALPHAVIRUS RELEASE.** *Journal of virology*
Wan, J. J., Ooi, Y. S., Kielian, M.
2019
- **STAG2 deficiency induces interferon responses via cGAS-STING pathway and restricts virus infection.** *Nature communications*
Ding, S., Diep, J., Feng, N., Ren, L., Li, B., Ooi, Y. S., Wang, X., Brulois, K. F., Yasukawa, L. L., Li, X., Kuo, C. J., Solomon, D. A., Carette, et al
2018; 9 (1): 1485
- **SETD3 is an actin histidine methyltransferase that prevents primary dystocia.** *Nature*
Wilkinson, A. W., Diep, J., Dai, S., Liu, S., Ooi, Y. S., Song, D., Li, T. M., Horton, J. R., Zhang, X., Liu, C., Trivedi, D. V., Ruppel, K. M., Vilches-Moure, et al
2018
- **A CRISPR toolbox to study virus-host interactions** *NATURE REVIEWS MICROBIOLOGY*
Puschnik, A. S., Majzoub, K., Ooi, Y. S., Carette, J. E.
2017; 15 (6): 351-364
- **Drebrin restricts rotavirus entry by inhibiting dynamin-mediated endocytosis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Li, B., Ding, S., Feng, N., Mooney, N., Ooi, Y. S., Ren, L., Diep, J., Kelly, M. R., Yasukawa, L. L., Patton, J. T., Yamazaki, H., Shirao, T., Jackson, et al
2017; 114 (18): E3642-E3651

- **A Small-Molecule Oligosaccharyltransferase Inhibitor with Pan-flaviviral Activity.** *Cell reports*
Puschnik, A. S., Marceau, C. D., Ooi, Y. S., Majzoub, K., Rinis, N., Contessa, J. N., Carette, J. E.
2017; 21 (11): 3032–39
- **Genetic dissection of Flaviviridae host factors through genome-scale CRISPR screens** *NATURE*
Marceau, C. D., Puschnik, A. S., Majzoub, K., Ooi, Y. S., Brewer, S. M., Fuchs, G., Swaminathan, K., Mata, M. A., Elias, J. E., Sarnow, P., Carette, J. E.
2016; 535 (7610): 159-?
- **BST2/Tetherin Inhibition of Alphavirus Exit** *VIRUSES-BASEL*
Ooi, Y. S., Dube, M., Kielian, M.
2015; 7 (4): 2147-2167
- **Genome-Wide RNAi Screen Identifies Novel Host Proteins Required for Alphavirus Entry** *PLOS PATHOGENS*
Ooi, Y. S., Stiles, K. M., Liu, C. Y., Taylor, G. M., Kielian, M.
2013; 9 (12)
- **Recombineering linear DNA that replicate stably in E-coli** *PLASMID*
Ooi, Y., Warburton, P. E., Ravin, N. V., Narayanah, K.
2008; 59 (1): 63-71
- **STR data for the AmpFISTR identifier loci in three ethnic groups (Malay, Chinese, Indian) of the Malaysian population** *FORENSIC SCIENCE INTERNATIONAL*
Seah, L. H., Jeevan, N. H., Othman, M. I., Jaya, P., Ooi, Y. S., Wong, P. C., Lee, S. S.
2003; 138 (1-3): 134-?