

Stanford



Ruoxi Pi

Postdoctoral Research Fellow, Infectious Diseases

Bio

BIO

I received my BS in Biological Sciences in Zhejiang University in China, where I conducted research in polyphasic taxonomy in anaerobic bacteria. I received my PhD in Yale University, where I studied the early events of retrovirus infection in animal models. Now in the Blish lab, I am investigating NK cell responses during HIV-1 infection and trying to manipulate the NK cells to target latently infected cells.

HONORS AND AWARDS

- Best Poster Prize Annual Microbiology Retreat, Department of Microbial Pathogenesis, Yale University (September, 2017)
- CSC-Yale World Scholars Programs Fellowship, CSC (2013-2015)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Yale University (2019)
- Bachelor of Science, Zhejiang University (2013)

STANFORD ADVISORS

- Catherine Blish, Postdoctoral Faculty Sponsor
- Catherine Blish, Postdoctoral Research Mentor

Research & Scholarship

LAB AFFILIATIONS

- Catherine Blish (2/17/2020)

Publications

PUBLICATIONS

- **Oceanirhabdus** *Bergey's Manual of Systematics of Archaea and Bacteria*
Pi, R., Zhu, X.
2020: 1–7
- **Multi-omic profiling reveals widespread dysregulation of innate immunity and hematopoiesis in COVID-19**
Wilk, A. J., Lee, M. J., Wei, B., Parks, B., Pi, R., Martínez-Colón, G. J., Ranganath, T., Zhao, N. Q., Taylor, S., Becker, W., , S., Jimenez-Morales, D., et al
Preprint on BioRxiv.
2020
- **In vivo imaging of retrovirus infection reveals a role for Siglec-1/CD169 in multiple routes of transmission**

Haugh, K. A., Ladinsky, M. S., Ullah, I., Pi, R., Gilardet, A., Kumar, P., Bjorkman, P. J., Mothes, W., Uchil, P. D.

Preprint on BioRxiv.

2020

- **Murine Leukemia Virus Exploits Innate Sensing by Toll-Like Receptor 7 in B-1 Cells To Establish Infection and Locally Spread in Mice** *JOURNAL OF VIROLOGY*
Pi, R., Iwasaki, A., Sewald, X., Mothes, W., Uchil, P. D.
2019; 93 (21)
- **A Protective Role for the Lectin CD169/Siglec-1 against a Pathogenic Murine Retrovirus** *CELL HOST & MICROBE*
Uchil, P. D., Pi, R., Haugh, K. A., Ladinsky, M. S., Ventura, J. D., Barrett, B. S., Santiago, M. L., Bjorkman, P. J., Kassiotis, G., Sewald, X., Mothes, W.
2019; 25 (1): 87+
- **In Vivo Imaging-Driven Approaches to Study Virus Dissemination and Pathogenesis** *ANNUAL REVIEW OF VIROLOGY, VOL 6, 2019*
Uchil, P. D., Haugh, K. A., Pi, R., Mothes, W., Enquist, L., DiMaio, D., Demody, T.
2019; 6: 501–24
- **A biocontainment procedure for intravital microscopy of high-risk pathogens** *Applied Biosafety*
Haugh, K. A., Pi, R., Fontes, B., Mothes, W., Uchil, P. D.
2018; 23 (4): 211-222
- **Age polyethism drives community structure of the bacterial gut microbiota in the fungus-cultivating termite *Odontotermes formosanus*** *ENVIRONMENTAL MICROBIOLOGY*
Li, H., Dietrich, C., Zhu, N., Mikaelyan, A., Ma, B., Pi, R., Liu, Y., Yang, M., Brune, A., Mo, J.
2016; 18 (5): 1440–51
- **Retroviruses use CD169-mediated trans-infection of permissive lymphocytes to establish infection** *SCIENCE*
Sewald, X., Ladinsky, M. S., Uchil, P. D., Beloor, J., Pi, R., Herrmann, C., Motamedi, N., Murooka, T. T., Brehm, M. A., Greiner, D. L., Shultz, L. D., Mempel, T. R., Bjorkman, et al
2015; 350 (6260): 563–67
- ***Oceanirhabdus sedimicola* gen. nov., sp nov., an anaerobic bacterium isolated from sea sediment** *INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY*
Pi, R., Zhang, W., Fang, M., Zhang, Y., Li, T., Wu, M., Zhu, X.
2013; 63: 4277–83