

Yunhao Bai

Ph.D. Student in Chemistry, admitted Autumn 2016

Publications

PUBLICATIONS

- **Combined protein and nucleic acid imaging reveals virus-dependent B cell and macrophage immunosuppression of tissue microenvironments.** *Immunity*
Jiang, S., Chan, C. N., Rovira-Clave, X., Chen, H., Bai, Y., Zhu, B., McCaffrey, E., Greenwald, N. F., Liu, C., Barlow, G. L., Weirather, J. L., Oliveria, J. P., Nakayama, et al
2022
- **Determinants of SARS-CoV-2 entry and replication in airway mucosal tissue and susceptibility in smokers.** *Cell reports. Medicine*
Nakayama, T., Lee, I. T., Jiang, S., Matter, M. S., Yan, C. H., Overdevest, J. B., Wu, C., Goltsev, Y., Shih, L., Liao, C., Zhu, B., Bai, Y., Lidsky, et al
2021: 100421
- **Subcellular localization of biomolecules and drug distribution by high-definition ion beam imaging.** *Nature communications*
Rovira-Clave, X., Jiang, S., Bai, Y., Zhu, B., Barlow, G., Bhate, S., Coskun, A. F., Han, G., Ho, C. K., Hitzman, C., Chen, S., Bava, F., Nolan, et al
2021; 12 (1): 4628
- **Nanosopic subcellular imaging enabled by ion beam tomography.** *Nature communications*
Coskun, A. F., Han, G., Ganesh, S., Chen, S., Clave, X. R., Harmsen, S., Jiang, S., Schurch, C. M., Bai, Y., Hitzman, C., Nolan, G. P.
2021; 12 (1): 789
- **Adjacent Cell Marker Lateral Spillover Compensation and Reinforcement for Multiplexed Images.** *Frontiers in immunology*
Bai, Y., Zhu, B., Rovira-Clave, X., Chen, H., Markovic, M., Chan, C. N., Su, T., McIlwain, D. R., Estes, J. D., Keren, L., Nolan, G. P., Jiang, S.
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- **Multimodal Analysis of Composition and Spatial Architecture in Human Squamous Cell Carcinoma.** *Cell*
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2020
- **Mass spectroscopy-based highly multiplexed super-resolution imaging method for fine details of tumor microenvironment monitoring and tumor-immune cell interactions**
Bai, Y., Zhu, B., Angelo, M., Zhao, Y., Jiang, S., Clave, X., Nolan, G.
BMC.2019
- **Mapping the spatial architecture of acute myeloid leukemia in the bone marrow microenvironment by multiplexed ion beam imaging**
Rovira-Clave, X., Jiang, S., Bai, Y., Zhu, B., Bosse, M., Angelo, M., Banz, Y., Schurch, C., Nolan, G.
BMC.2019
- **Multiplexed Imaging for the simultaneous detection of nucleic acids and proteins to dissect the tissue immune landscape and microenvironment of viral diseases**
Jiang, S., Clave, X., Chan, C., Zhu, B., Bai, Y., Bosse, M., McIlwain, D., Bendall, S., Angelo, M., Estes, J., Nolan, G.
BMC.2019
- **Microbiome spatial patterns as markers of cancer immune therapy response**
Zhu, B., Bai, Y., Jiang, S., Rovira-Clave, X., Sonnenburg, J., Nolan, G.
BMC.2019