

Xiaokang Lun

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Education

University of Zurich PhD in Molecular Life Sciences (<i>cum laude</i>)	Zurich, Switzerland 05/2018
University of Amsterdam MSc in Biomedical Sciences (<i>cum laude</i>)	Amsterdam, the Netherlands 07/2013
Wuhan University BSc in Biology	Wuhan, China 06/2011

Research experience

Peng Yin Lab Wyss Institute at Harvard University Postdoctoral research project: DNA engineering-based protein sensing and quantification technologies and applications in biomedicine	Boston, MA, USA 05/2019 –
Bernd Bodenmiller Lab University of Zurich PhD thesis project and postdoctoral research project: Analysis of protein abundance-dependent modulations on intercellular signaling network states and dynamics using mass cytometry	Zurich, Switzerland 01/2014 – 02/2019
Ana Martin-Villalba Lab German Cancer Research Center (DKFZ) Master research project: Identification of pancreatic exocrine progenitor cells with 3D organoid system and <i>in vivo</i> clonal analysis	Heidelberg, Germany 09/2012 – 06/2013
Coen Paulusma Lab University of Amsterdam Master research project: ATP8B1 regulates intracellular vesicular trafficking in intestinal metabolism and innate immune responses	Amsterdam, the Netherlands 12/2011 – 05/2012

Publications

- [1] **X.-K. Lun**, D. Szklarczyk, A. Gábor, N. Dobberstein, V. R. T. Zanotelli, J. Saez-Rodriguez, C. von Mering, and B. Bodenmiller, "[Analysis of the Human Kinome and Phosphatome by Mass Cytometry Reveals Overexpression-Induced Effects on Cancer-Related Signaling](#)," *Mol. Cell*, May 2019.
- [2] M. A. Rapsomaniki*, **X.-K. Lun***, S. Woerner, M. Laumanns, B. Bodenmiller[#], and M. R. Martínez[#], "[CellCycleTRACER Accounts for Cell Cycle and Volume in Mass Cytometry Data](#)," *Nat. Commun.*, Feb. 2018.

- [3] D. Schulz, V. R. T. Zanotelli, J. R. Fischer, D. Schapiro, S. Engler, **X.-K. Lun**, H. W. Jackson, and B. Bodenmiller, "[Simultaneous Multiplexed Imaging of mRNA and Proteins with Subcellular Resolution in Breast Cancer Tissue Samples by Mass Cytometry](#)," ***Cell Syst.***, Dec. 2017.
- [4] **X.-K. Lun**, V. R. T. Zanotelli, J. D. Wade, D. Schapiro, M. Tognetti, N. Dobberstein, and B. Bodenmiller, "[Influence of Node Abundance on Signaling Network State and Dynamics Analyzed by Mass Cytometry](#)," ***Nat. Biotechnol.***, Jan. 2017.
- [5] D. Wollny*, S. Zhao*, I. Everlien, **X. Lun**, J. Brunken, D. Brüne, F. Ziebell, I. Tabansky, W. Weichert, A. Marciniak-Czochra, and A. Martin-Villalba, "[Single-Cell Analysis Uncovers Clonal Acinar Cell Heterogeneity in the Adult Pancreas](#)," ***Dev. Cell***, Nov. 2016.

Contributions to international conferences

Oral presentation:

- [1] Copenhagen bioscience conferences – Protein signaling, Hillerød, Denmark, Oct. 2018

Poster presentation:

- [1] Keystone Symposia - SingleCell Omics, Stockholm, Sweden, May 2017
- [2] Copenhagen bioscience conferences – Protein signaling, Hillerød, Denmark, Oct. 2016
- [3] EMBL Symposium: Cellular Heterogeneity, Heidelberg, Germany, Apr. 2015

Awards

Huygens Scholarship 09/2011 – 08/2013
Full Master scholarship awarded by the Dutch Ministry of Education, Culture and Science

MSc degree with distinction 07/2013

PhD degree with distinction 05/2019