

Stanford



Christian Schuerch

Postdoctoral Research Fellow, Microbiology and Immunology

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Universitat Bern (2012)
- Doctor of Medicine, Universitat Bern (2007)

PATENTS

- Carsten Riether, Christian Schürch, Adrian Ochsenbein, Karen Silence. "United States Patent 10,391,168 B1 Anti-CD70 combination therapy", University of Bern, Aug 27, 2019

Research & Scholarship

LAB AFFILIATIONS

- Garry Nolan, Nolan lab (8/1/2017)

Publications

PUBLICATIONS

- **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
- **The human body at cellular resolution: the NIH Human Biomolecular Atlas Program** *NATURE*
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- **Lobular neoplasia and invasive lobular breast cancer: Inter-observer agreement for histological grading and subclassification.** *Pathology, research and practice*
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- **CARving up colorectal cancer organoids in vitro.** *Genes and immunity*
Schurch, C. M.
2019
- **Targeting CD47 in anaplastic thyroid carcinoma enhances tumor phagocytosis by macrophages and is a promising therapeutic strategy.** *Thyroid : official journal of the American Thyroid Association*
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2019

- **A Multiscale Map of the Stem Cell State in Pancreatic Adenocarcinoma.** *Cell*
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- **Dynamics of the Bone Marrow Microenvironment during Leukemic Progression Revealed By Codex Hyper-Parameter Tissue Imaging**
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AMER SOC HEMATOLOGY.2018
- **Therapeutic Antibodies for Myeloid Neoplasms-Current Developments and Future Directions** *FRONTIERS IN ONCOLOGY*
Schurch, C. M.
2018; 8: 152
- **50-dimensional microenvironment analysis of human and mouse bone marrow during malignant transformation**
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NATURE PUBLISHING GROUP.2018: 550
- **50-dimensional microenvironment analysis of human and mouse bone marrow during malignant transformation**
Schuerch, C. M., Barlow, G. L., Bhate, S. S., Samusik, N., Nolan, G., Goltsev, Y.
NATURE PUBLISHING GROUP.2018: 550
- **The "don't eat me" signal CD47 is a novel diagnostic biomarker and potential therapeutic target for diffuse malignant mesothelioma** *ONCOIMMUNOLOGY*
Schuerch, C. M., Forster, S., Bruehl, F., Yang, S. H., Felley-Bosco, E., Hewer, E.
2018; 7 (1)
- **The multi-kinase inhibitor Debio 0617B reduces maintenance and self-renewal of primary human AML CD34+ stem/progenitor cells.** *Molecular cancer therapeutics*
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2017
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- **Tumor Heterogeneity in Lymphomas: A Different Breed.** *Pathobiology : journal of immunopathology, molecular and cellular biology*
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- **Blocking a TNF Superfamily Ligand-Receptor Pair on Acute Myeloid Leukemia Blasts Reduces Stemness, Promotes Asymmetric Cell Division and Results in Cellular Differentiation**
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- **Infection in a Gnotobiotic Mouse Model.** *Frontiers in cellular and infection microbiology*
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2015; 125 (7): 2579–91
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- **Cytotoxic T cells induce proliferation of chronic myeloid leukemia stem cells by secreting interferon-gamma** *JOURNAL OF EXPERIMENTAL MEDICINE*
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- **CD27 Signaling Increases the Frequency of Regulatory T Cells and Promotes Tumor Growth** *CANCER RESEARCH*
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