

Michael P Schroeder, PhD - Curriculum Vitae

EDUCATION AND PROFESSIONAL CAREER

<u>Since 2021</u>	ML Engineer & Data Science Consultant ERNI AG, Bern Topics: Data Science Service & ML Engineering
<u>2018-2021</u>	Data Science Consultant Detecon Digital Engineering Center, Berlin Topics: Data Thinking, Analytics, Big Data, Artificial Intelligence & Machine Learning
<u>2015-2018</u>	Lead Bioinformatic Scientist Charité University Hospital, Berlin Topic: Multi-omics data analysis of Relapsed B-Cell Leukemia
<u>2010 - 2014</u>	PhD in Biomedicine Universitat Pompeu Fabra, Barcelona Topic: Analysis and Visualization of Multidimensional Cancer Data Supervisors: Nuria Lopez-Bigas & Abel Gonzalez-Perez
<u>2013 Feb-Aug</u>	Visiting Researcher Finnish Institute of Molecular Biology (FIMM), Helsinki
<u>2008 - 2010</u>	Master in Bioinformatics for Health Sciences Universitat Pompeu Fabra, Barcelona
<u>2004 - 2008</u>	Bachelor of Science in Biology & Informatics Université de Fribourg, Switzerland

Selected Publications involving machine learning strategies

A comprehensive list of my publications are referenced at <https://scholar.google.com/citations?user=ioSuQ8AAAAAJ>

Schroeder MP, Lorenz Bastian, DKH-Konsortium, Martin Neumann, Claudia D Baldus, et al. Relapse-specific landscape in pediatric and adult B-Cell Precursor Acute Lymphoblastic Leukemia. *Nature scientific reports*, 2019

Rubio-Perez C, Tamborero D, Schroeder MP, Antolín AA, Deu-Pons J, Perez-Llamas C, et al. In Silico Prescription of Anticancer Drugs to Cohorts of 28 Tumor Types Reveals Targeting Opportunities. *Cancer Cell*. 2015; 27:382–96

Schroeder, MP, Rubio-Pérez C, Tamborero D, Gonzalez-Perez A, and Lopez-Bigas N. "OncodriveROLE Classifies Cancer Driver Genes in Loss of Function and Activating Mode of Action." *Bioinformatics* 30, no. 17 (August 2014)