

Education	B.A., Coe College. Majors: Biology, Molecular Biology. Minor: Chemistry. GPA in Majors: 3.55 Overall GPA: 3.47	May 2018	
	Ph.D., Department of Pathology, Case Western Reserve University. Transcriptomic State Evolution in Acute Myeloid Leukemia Mentor: Dr. David Wald and Dr. Tae Hyun Hwang	est. May 2024	
Fellowships	Higher Education Research Experience Fellow, Oak Ridge National Lab, Oak Ridge, TN—August 2017- December 2017		
Honors	Minority Scholar in Cancer Research Awardee — AACR Annual Meeting 2022		
Publications	Automated Manufacture of Autologous CD19 CAR-T Cells for Treatment of Non-Hodgkin Lymphoma—Frontiers in Immunology 2020 Zachary Jackson, Anne Roe, Ashish Sharma, Filipa Blasco Tavares Pereira Lopes, Aarthi Talla, Sarah Kleinsorge-Block, Kayla Zamborsky, Jennifer Schiavone, Shivaprasad Manjappa, Robert Schauner , Grace Lee, Ruifu Liu, Paolo F. Caimi, Ying Xiong, Winfried Kruger, Andrew Worden, Mike Kadan, Dina Schneider, Rimas Orentas, Boro Dropulic, Rafick-Pierre Sekaly, Marcos de Lima, David N. Wald, Jane S. Reese		
	Single cell RNA sequencing of AML initiating cells reveals RNA-based evolution during disease progression—Leukemia 2022 L. C. Stetson, Dheepa Balasubramanian, Susan Pereira Ribeiro, Tammy Stefan, Kalpana Gupta, Xuan Xu, Slim Fourati, Anne Roe, Zachary Jackson, Robert Schauner , Ashish Sharma, Banumathi Tamilselvan, Samuel Li, Marcos de Lima, Tae Hyun Hwang, Robert Balderas, Yogen Sauntharajah, Jaroslaw Maciejewski, Thomas LaFramboise, Jill S. Barnholtz-Sloan, Rafick-Pierre Sekaly, and David N. Wald		
	Sequential Single-Cell Transcriptional and Protein Marker Profiling Reveals TIGIT as a Marker of CD19 CAR-T Cell Dysfunction in Patients with Non-Hodgkin Lymphoma— Frontiers in Immunology 2022 Zachary Jackson, Changjin Hong, Robert Schauner , Boro Dropulic, Paolo F. Caimi, Marcos de Lima, Maria Florencia Giraudo, Kalpana Gupta, Jane S. Reese, Tae Hyun Hwang, and David N. Wald		
Presentations	Transcriptional State Evolution in Pediatric Acute Myeloid Leukemia—Biomedical Graduate Student Symposium 2020, Case Western Reserve University		
	Discovering Biomarkers for Pediatric Acute Myeloid Leukemia using single-cell RNA sequencing — ISMB/ECCB 2021		
	New platform for novel biomarker discovery using single-cell RNA sequencing on pediatric acute myeloid leukemia samples — AACR Annual Meeting 2022		
	Development of a Platform for Biomarker Discovery using scRNA sequencing on Pediatric AML Samples— St. Jude Children’s Hospital Future Fellows Research Conference 2022		
Skills	Computer Skills	Analysis Skills	Laboratory Techniques
	Languages: R, Python Linux, Mac, HPC Seurat, tidyverse, git, SLURM snakemake, scverse Affinity Creative Suite	Single-cell RNA seq RNA seq <i>In silico</i> flow cytometry FlowJo	High-parameter (10+) Flow Cytometry 10x Visium Spatial Profiling 10x single-cell Gene Expression Profiling primary cell culture DNA/RNA extraction
Other	American Association of Immunologists – Member		2020 –
	Rise Up: Northeast Ohio – Teaching Fellow		2020 –
	Rise Up: Northeast Ohio – Director of Media and Public Relations		2020 –
	International Society for Computational Biology – Member		2021 –
	American Association for Cancer Research – Associate Member		2022 –