
EDUCATION

University of Pennsylvania Doctor of Philosophy in Bioengineering, <i>Sol Pollack Award</i> PhD advisor: Dr. David Issadore Thesis: Diagnosing Disease Using High Throughput Parallelized Nanofluidics and Machine Learning	Philadelphia, PA 08/13-05/18
Rice University Bachelor of Science in Bioengineering, <i>Cum Laude</i> Bachelor of Arts in French Studies	Houston, TX 08/09-05/13

POSITIONS HELD

University of Pennsylvania Assistant Professor, Departments of Pathology and Laboratory Medicine and Bioengineering	Philadelphia, PA 2/22-Present
Massachusetts General Hospital, Wyss Institute at Harvard University Instructor Project Manager at MGB Center for COVID Innovation, Diagnostics Accelerator Postdoctoral Researcher Advisor: Dr. Ralph Weissleder, in collaboration with Dr. David Weitz (Harvard University)	Boston, MA 05/21-01/22 04/20-07/20 10/18-05/21
Schmidt Science Fellow, in Partnership with the Rhodes Trust 14 fellows worldwide, \$225,000 total	Inaugural Class of 2018
Verily (Google Life Sciences) PhD Bioengineering Intern	South San Francisco, CA 06/18-09/18

RESEARCH FUNDING

NIH NCI K99/R00 Early Pathway to Independence Award (Impact Score: 10) Role: PI, Amount: \$1,103,156	2021-2026
Penn Alzheimer's Disease Research Center (ADRC) Development Project Role: PI, Amount: \$75,000	2022-2023
Center for Molecular Studies in Digestive and Liver Diseases Role: PI, Amount: \$40,000	2022-2023

PUBLICATIONS

2022	RT. Morales, J. Ko , "Future of Digital Assays to Resolve Clinical Heterogeneity of Single Extracellular Vesicles" ACS Nano .
2022	J. Ko , K. Lucas, R. Kohler, E. Halabi, J. C. T. Carlson, R. Weissleder, "In Vivo Click Chemistry Enables Multiplexed Intravital Microscopy." Advanced Science .

- 2022 V. Iyer*, Z. Yang*, **J. Ko***, R. Weissleder, D. Issadore, "The Future of Microdiagnostics for Clinical Use." Lab on a Chip.
- 2022 **J. Ko**, M. Wilkovitsch, J. Oh, E. Bolli, M. J. Pittet, D. B. Sykes, H. Mikula, R. Weissleder, J. C. T. Carlson, "Multiplexed Analysis of Living Cells with SAFE Bioorthogonal Cycling." Nature Biotechnology. (**Featured in Penn Today, Nature Bioengineering Community, Schmidt Science Fellows, Penn Bioengineering Blog**)
- 2021 B. Trombetta, S. Kandigian, R. Kitchen, K. Grauwet, P. Webb, G. Miller, C. Jennings, S. Jain, S. Miller, Y. Kuo, T. Sweeney, T. Gilboa, M. Norman, D. Simmons, C. Ramirez, M. Bedard, C. Fink, **J. Ko**, E. De León Peralta, G. Watts, E. Gomez-Rivas, V. Davis, R. Barilla, J. Wang, P. Cunin, S. Bates, C. Morrison-Smith, B. Nicholson, E. Wong, L. El-Mufti, M. Kann, A. Bolling, B. Fortin, H. Ventresca, W. Zhou, S. Pardo, M. Kwock, A. Hazra, L. Cheng, R. Ahmad, J. Toombs, R. Larson, H. Pleskow, N. Luo, C. Samaha, U. Pandya, P. De Silva, S. Zhou, Z. Ganhadeiro, S. Yohannes, R. Gay, J. Slavik, S. Mukerji, P. Jarolim, D. Walt, B. Carlyle, L. Ritterhouse, S. Suliman, "Evaluation of serological lateral flow assays for severe acute respiratory syndrome coronavirus-2." BMC Infectious Diseases.
- 2021 **J. Ko**, Y. Wang, K. Sheng, D. Weitz, R. Weissleder, "Sequencing-based protein analysis of single extracellular vesicles (seiSEQ)." ACS Nano.
- 2020 **J. Ko**, J. Oh, M. Ahmed, J. Carlson, R. Weissleder, "Ultra-Fast Cycling for Multiplexed Cellular Fluorescence Imaging." Angewandte Chemie. (**Featured as a Hot Paper**)
- 2020 **J. Ko**, Y. Wang, J. Carlson, A. Marquard, J. Gungabeesoon, A. Charest, D. Weitz, M. Pittet, R. Weissleder, "Single Extracellular Vesicle Protein Analysis Using Immuno-Droplet Digital Polymerase Chain Reaction Amplification." Advanced Biosystems.
- 2020 R. Weissleder, H. Lee, **J. Ko**, M. Pittet, "COVID-19 diagnostics in context." Science Translational Medicine.
- 2020 Z. Yang*, M. LaRiviere*, **J. Ko***, T. Christensen, S. S. Yee, J. Till, T. Black, A. Adallah, A. Lin, B. Z. Stanger, D. Issadore, and E. L. Carpenter, "A multi-analyte panel consisting of extracellular vesicle miRNAs and mRNAs, cfDNA, and CA19-9 shows utility for diagnosis and staging of pancreatic adenocarcinoma." Clinical Cancer Research. **These authors contributed equally to this work*
- 2020 Y. Wang, T. Cao, **J. Ko**, Y. Shen, W. Zong, K. Sheng, W. Cao, L. Cai, YL. Zhou, XX. Zhang, C. Zong, R. Weissleder, D. Weitz, "Dissolvable polyacrylamide beads for high-throughput droplet DNA barcoding." Advanced Science.
- 2020 S. Muraoka, A. M. DeLeo, M. K. Sethi, K. Yukawa, Z. Yang, **J. Ko**, J. D. Hogan, Z. Ruan, Y. You, Y. K. Wang, M. Medalla, S. Ikezu, W. Xia, S. Gorantla, H. E. Gendelman, D. Issadore, J. Zaia, T. Ikezu, "Proteomic and Biological Profiling of Extracellular Vesicles from Alzheimer's Disease Human Brain Tissues." Alzheimer's & Dementia.
- 2019 **J. Ko**, M. Hemphill, E. Sewell, J. Shallcross, M. Schweizer, D. K. Sandsmark, R. Diaz-Arrastia, J. Kim, D. F. Meaney, D. Issadore, "Multi-dimensional mapping of brain-derived extracellular vesicle microRNA biomarker for traumatic brain injury diagnostics." J. of Neurotrauma.
- 2018 **J. Ko**, M. Hemphill, E. Sewell, YJ. Na, D. K. Sandsmark, S. A. Fisher, E. A. Torre, R. Diaz-Arrastia, J. Kim, D. F. Meaney, D. Issadore, "Diagnosis of traumatic brain injury using miRNA signatures in nanomagnetically isolated brain-derived extracellular vesicles." Lab on a Chip. (**Selected as a Lab on a Chip Widmer Award Winner, MicroTAS, 2017**)

- 2018 **J. Ko**, N. Bhagwat, T. Black, YJ. Na, J. Kim, E. L. Carpenter, B. Z. Stanger, D. Issadore, "miRNA Profiling of Magnetic Nanopore-Isolated Extracellular Vesicles for the Diagnosis of Pancreatic Cancer." Cancer Research.
- 2018 **J. Ko**, S.N. Baldassano, P. Loh, K. Kording, B. Litt, D. Issadore, "Machine Learning To Detect Signatures of Disease in Liquid Biopsies - A User's Guide." Lab on a Chip.
(Featured as a journal content highlights)
- 2017 **J. Ko**, N. Bhagwat, S. S. Yee, N. Ortiz, A. Sahmoud, T. Black, N. M. Aiello, L. McKenzie, M. O'Hara, C. Redlinger, J. Romeo, E. L. Carpenter, B. Z. Stanger, D. Issadore, "Combining Machine Learning and Nanofluidic Technology to Diagnose Pancreatic Cancer Using Exosomes." ACS Nano.
- 2017 **J. Ko**, N. Bhagwat, S. S. Yee, C. Redlinger, J. Romeo, M. O'Hara, A. Raj, E. L. Carpenter, B. Z. Stanger, D. Issadore, "A magnetic micropore chip for rapid (< 1 hour) unbiased circulating tumor cell isolation and in-situ RNA analysis." Lab on a Chip.
(Selected as one of Top 10% papers published in Lab on a Chip)
- 2016 **J. Ko**, M. Hemphill, D. Gabrieli, L. Wu, R. Yelleswarapu, G. Lawrence, W. Pennycooke, A. Singh, D. Meaney, D. Issadore, "Smartphone-based optofluidic exosome diagnostic for concussion." Nature Scientific Reports.
- 2016 **J. Ko**, V.R. Yelleswarapu, A. Singh, N. Shah, D. Issadore, "Magnetic Nickel iron Electroformed Trap (MagNET): A master / replica fabrication strategy for ultra-high throughput (> 100 mL/hr) immunomagnetic sorting." Lab on a Chip.
- 2016 **J. Ko**, E. Carpenter, D. Issadore, "Detection and isolation of circulating exosomes and microvesicles for cancer monitoring and diagnostics using micro- and nano- based devices." Analyst, 10.1039/C5AN01610J.

PATENTS

- 2019 R. Weissleder, J. Carlson, **J. Ko**, Ultra-fast cycling for multiplexed cellular fluorescence measurements, 29539-0470P03.
- 2019 **J. Ko**, R. Weissleder, Y. Wang, and D. Weitz, Droplet-based single extracellular vesicle sequencing, 29539-0431P01.
- 2015 D. Issadore, **J. Ko**, V. Yelleswarapu, and M. Muluneh, Magnetic separation filters for microfluidic devices, WO2015013364-A1. (Licensed by Chip Diagnostics)
- 2014 D. Issadore, **J. Ko**, Apparatus and methods for making vesicles, 20160001290.

PRESENTATIONS/PRESS RELEASE

- 2022 Invited talk at the Department of Chemistry, University of Washington.
- 2022 Invited talk at the Department of Chemistry, UPenn.
- 2022 Invited talk at Colton Autoimmunity Retreat, UPenn.

- 2022 Invited lecture at BioTech Summer Program, UPenn.
- 2022 Invited talk at EMBL Conference: Microfluidics 2022.
- 2022 "Journey to Medical Diagnostics" Invited talk at Girls Code the World Camp.
- 2022 "Ultra-Fast Cycling for Multiplexed Cellular Fluorescence Imaging" Oral presentation at CYTO 2022, Philadelphia, PA.
- 2022 Invited panel at 'How to Get a Faculty Job', Schmidt Science Fellows.
- 2022 Invited panel at Penn PhD panel, UPenn.
- 2022 Invited talk at Center for Cellular Immunotherapies, UPenn.
- 2022 "Journey to Medical Diagnostics" Biophysics Week, Biophysics Society.
- 2022 Invited panel at Allyship Committee for Advancing Women in Engineering, UPenn.
- 2021 Invited panel at 2021 Rising Stars in Engineering in Health, Columbia University, NYC, NY.
- 2021 "Multiplexed Live Cell Temporospacial Imaging Using Ultrafast Cycling" Poster presentation at MicroTAS 2021.
- 2021 "Multiplexed Live Cell Temporospacial Imaging Using Ultrafast Cycling" Oral presentation at BMES 2021.
- 2021 Invited speaker at the Academic Job Search During The Pandemic, Center for Engineering Mechanobiology (CEMB).
- 2021 Invited speaker at the BME department, NYU, New York City, NY.
- 2021 Invited speaker at the Pathology department, UPenn, Philadelphia, PA.
- 2021 Invited speaker at the BME department, BU, Boston, MA.
- 2021 Invited speaker at the Bio and Brain Engineering department, KAIST, South Korea.
- 2020 Invited speaker at 2020 Rising Stars in Engineering in Health, Columbia University.
- 2020 "Ultra-Fast Cycling for Multiplexed Cellular Fluorescence Imaging" Oral presentation at BMES 2020.
- 2020 "Single Extracellular Vesicle Protein Profiling" Oral presentation at ISEV 2020, (**Young Investigator Scholarship**).
- 2020 "High Throughput, Multiplexed Single Biomarker Profiling" Global Leader Interview at K-BioX.
- 2020 "High Throughput, Multiplexed Single Biomarker Profiling" Invited talk at Newflight, South Korea.
- 2020 "High Throughput, Multiplexed Single Biomarker Profiling" Invited talk at Korea University, South Korea.
- 2020 "High Throughput, Multiplexed Single Biomarker Profiling" Invited talk at Yonsei Severance Hospital, South Korea.

- 2020 "High Throughput, Multiplexed Single Biomarker Profiling" Invited talk at Sogang University, South Korea.
- 2020 "High Throughput, Multiplexed Single Biomarker Profiling" Invited talk at Bilix, South Korea.
- 2020 **Invited speaker at the BME department, UCLA**, Los Angeles, CA.
- 2020 "Ultra-fast cycling for multiplexed cellular fluorescence imaging" Invited talk at the Biological Research Information Center (BRIC) Webinar, South Korea.
(<https://www.youtube.com/watch?v=qF3WFAupbE0>)
- 2020 "Ultra-fast cycling for multiplexed cellular fluorescence imaging" Invited talk at the Human Cellular Modeling Working Group, Massachusetts General Hospital, Boston, MA.
- 2020 "Ultra-fast cycling for multiplexed cellular fluorescence imaging" Oral presentation at the 8th Annual Winter Q-Bio Conference, Waikoloa Village, HI.
- 2019 A Needle in a Haystack – Developing technologies for early detection of cancer, Schmidt Science Fellows, (<https://schmidtsciencefellows.org/news/a-needle-in-a-haystack/>)
- 2019 "Ultra-high Sensitive Microfluidics for Disease Diagnostics" Invited talk at KIST, South Korea.
- 2019 "Ultra-high Sensitive Microfluidics for Disease Diagnostics" Invited talk at Women in Bioengineering and Brain Engineering Symposium, KAIST, South Korea.
- 2019 "Single Extracellular Vesicle Protein Profiling" Invited talk at Wyss 11th Annual Retreat, Wyss Institute at Harvard University, Boston, MA.
- 2019 "Single Extracellular Vesicle Protein Profiling" Poster presentation at MicroTAS, Basel, Switzerland.
- 2019 "Single Extracellular Vesicle Protein Profiling" Oral presentation at MicroTAS, Basel, Switzerland.
(**MicroTAS 2020 Travel Grant**)
- 2019 "Single Extracellular Vesicle Protein ddPCR" Oral presentation at BMES 2019 Annual Meeting, Philadelphia, PA.
- 2019 "Single Extracellular Vesicle Protein sequencing" Oral presentation at BMES 2019 Annual Meeting, Philadelphia, PA.
- 2019 "Jina Ko on ultra-high sensitive diagnostics" Wyss Institute at Harvard University, Boston, MA.
(<https://wyss.harvard.edu/news/jina-ko-on-ultra-high-sensitive-diagnostics/>)
- 2019 InSPIREd talk, Schmidt Science Fellows, Oxford, UK.
(<https://www.youtube.com/watch?v=ThJLolLA-iM&t>)
- 2019 "Ultra-high Sensitive Technologies for Single EV Analysis" Poster presentation at the Global Meeting Series, Schmidt Science Fellows, Oxford, UK.
- 2019 Panelist for Women in Science, Schmidt Science Fellows, New York, NY.
- 2019 "Single EV profiling for rare immune subset discovery" Poster presentation at the Annual Meeting of the MGH Scientific Advisory Committee (SAC), Boston, MA.

- 2019 "Diagnosis of Traumatic Brain Injury Using miRNA Signatures in Nanomagnetically Isolated Brain-derived EVs" Invited talk and poster presentation at the Extracellular Vesicles in Diagnostics and Therapeutics, New York Academy of Sciences, NYC. **(F1000 Poster Prize Award)**
- 2019 "Single EV profiling for rare immune subset discovery" Poster presentation at the Koch Immune Engineering Symposium, Boston, MA.
- 2019 "Building a right tool for what I am looking for as a bioengineer" Science Slam at Boston Beerworks, Massachusetts General Hospital, Boston, MA.
- 2018 "Diagnosis of Traumatic Brain Injury Using Machine Learning-Based miRNA Signatures in Nanomagnetically Isolated Brain-Derived Exosomes" Poster presentation at the EMBS Micro and Nanotechnology in Medicine Conference, Kauai, HI.
- 2018 "Diagnosing Disease using High Throughput Parallelized Nanofluidics and Machine Learning" Invited talk at the Microvesicle and Exosome Seminar Series (M.E.S.S.), Massachusetts General Hospital, Boston, MA.
- 2018 "Extracellular Vesicles (EVs) and Genes in the Biology and Therapy of Gliomas" Invited talk at the GTBT PPG Meeting, Massachusetts General Hospital, Boston, MA.
- 2018 "Diagnosing Disease using High Throughput Parallelized Nanofluidics and Machine Learning" Invited talk at Shan Wang laboratory, Stanford University, Palo Alto, CA.
- 2018 "Multiplexed Exosome Diagnostics Using Machine Learning Combined Nanofluidics" Oral presentation at Keystone Symposia on Molecular and Cellular Biology, Breckenridge, CO. **(Keystone Symposia Future of Science Fund Scholarship)**
- 2018 "Cancer Diagnosis With Machine Learning + Liquid Biopsy" Press release by Prostatepedia.
- 2018 **Invited speaker at the BME department, UC Irvine, Irvine, CA.**
- 2018 **Invited speaker as a Caltech Young Investigator Lecturer in Engineering and Applied Science, California Institute of Technology (Caltech), Pasadena, CA.**
- 2018 "Diagnosis of Traumatic Brain Injury Using Machine Learning-Based miRNA Signatures in Nanomagnetically Isolated Brain-Derived Exosomes" Invited talk at The Molecular Medicine Tri-Conference, San Francisco, CA.
- 2018 "The Development of Miniaturized Blood-based Molecular Diagnostics using High Throughput Micro/Nanofluidics" Invited talk at IBM Research, Zürich, Switzerland.
- 2018 "The Development of Miniaturized Blood-based Molecular Diagnostics using High Throughput Micro/Nanofluidics" Invited talk at Research Center for Molecular Medicine (CeMM) of the Austrian Academy of Sciences, Vienna, Austria.
- 2018 "Diagnosis of Traumatic Brain Injury Using Machine Learning-Based miRNA Signatures in Nanomagnetically Isolated Brain-Derived Exosomes" Poster presentation at ASEE Doctoral Engineering Research Showcase, Washington, D.C.
- 2017 "Traumatic brain injury diagnostics using machine learning miRNA signatures" Poster presentation at Penn Center for Brain Injury and Repair (CBIR) Retreat, Wayne, PA.

- 2017 "Machine learning based exosomal miRNA for cancer diagnostics" Poster presentation at [18th Annual Principal Investigators' Meeting](#), Innovative Molecular Analysis Technologies Program, National Cancer Institute, Rockville, MD.
- 2017 "Spotting cancer: one in a billion cells" Press release. [Lab on a Chip blog](#), Royal Society of Chemistry.
- 2017 "Diagnosis of cancer using machine learning detected RNA signatures in magnetic nanopore isolated exosomes" Oral presentation at [MicroTAS](#), Savannah, GA.
- 2017 "Traumatic brain injury diagnostics using brain-derived exosomal microRNA" Poster presentation at [MicroTAS](#), Savannah, GA. (**Lab on a Chip Widmer Award**)
- 2017 "Machine learning based exosomal miRNA panel for diagnosis of cancer" Poster presentation at [MicroTAS](#), Savannah, GA.
- 2017 "Pancreatic Cancer Detection With Micropore Chip" Press release, University of Pennsylvania, [Bioengineering Blog](#), Philadelphia, PA.
- 2017 "Machine learning based exosome diagnostics for the early detection of pancreatic cancer" Poster presentation at [Microfluidics Congress](#), Philadelphia, PA.
- 2017 "Combining Machine Learning and Nanofluidic Technology to Diagnose Pancreatic Cancer Using Exosomes" Oral presentation at [Gordon Research Seminar \(GRS\)](#), Italy.
- 2017 "Prognosis of traumatic brain injury using machine learning based miRNA signatures in nanomagnetically isolated brain-derived exosomes" Poster presentation at [Gordon Research Conference \(GRC\)](#), Italy.
- 2017 "Traumatic Brain Injury Diagnostics Via Small RNA Sequencing of Brain-Derived Exosomal MicroRNA" Poster presentation at [Exosomes in the CNS](#), New York Academy of Sciences, NYC.
- 2017 "High-Throughput, Highly Parallel Magnetic Nanopore-Based Immunomagnetic Isolation of Exosomes for Cancer Diagnostics" Oral presentation at [PittCon](#), Chicago.
- 2017 "Traumatic Brain Injury Diagnostics Via Small RNA Sequencing of Brain-Derived Exosomal MicroRNA" Oral presentation at [PittCon](#), Chicago.
- 2016 "Rapid, Surface-marker Specific Isolation of Exosomes for the Diagnosis of Cancer, Using Parallelized, Magnetic nanopores" Oral presentation at [BMES 2016 Annual Meeting](#), Minneapolis.
- 2016 "A Magnetic Micropore Chip for Rapid (< 1 hour) Unbiased Circulating Tumor Cell Isolation and In-situ RNA Analysis" Poster presentation at [BMES 2016 Annual Meeting](#), Minneapolis.
- 2016 "Smartphone-enabled optofluidic exosome diagnostic for concussion recovery" Poster presentation at [BMES 2016 Annual Meeting](#), Minneapolis.
- 2016 "Microfluidic-based diagnostics for pancreatic cancer and mild traumatic brain injury" Poster presentation at [IEEE Annual Awards Banquet](#), IEEE, Philadelphia.
- 2016 "Smartphone-based Optofluidic Exosome Diagnostic for Concussion" Oral presentation

at Circulating Biomarkers World Congress, Select Biosciences, Boston.

- 2016 “Rapid (<1hr) Isolation of Exosomes for Prognosis of Pancreatic Cancer” Poster presentation at Circulating Biomarkers World Congress, Select Biosciences, Boston.
- 2016 “Smartphone-based Optofluidic Exosome Diagnostic for Concussion” Oral presentation at Bioengineering Graduate Group Symposium, University of Pennsylvania, Philadelphia. (**3rd Prize Award**)
- 2015 “Magnetic NiFe Electroformed Trap (MagNET) for Rare Cell Isolation” Oral presentation at Singh Center for Nanotechnology Annual User Meeting, University of Pennsylvania, Philadelphia. (**1st Prize Award**)
- 2015 “Highly Parallelized Production of Microparticles on a Chip: Bridging the Gap Between Microfluidics and Industry” Oral presentation at Y Prize Competition, Philadelphia.
- 2015 “Rapid In Situ RNA Analysis of Circulating Tumor Cells using Magnetic Micropore-based Sorting and Turbo FISH” Poster presentation at American Association for Cancer Research (AACR), Philadelphia.
- 2015 “Circulating Tumor Cell Analysis for Cancer Metastasis” Oral presentation at PittCon, New Orleans.
- 2013 “Ovarian Cancer Detection, In-Flight Lab Analysis, On Site Demo” NASA Johnson Space Center (JSC), Houston.
- 2013 “Cheers for a Comfy Chair” Press release, Rice University News & Media, Houston.

LEADERSHIP/VOLUNTEER/WORKING EXPERIENCES

- 2022 Topic Editor at *Frontiers in Immunology*
- 2022 Advanced Women in Engineering (AWE) Lunch
- 2022 Diversity, Equity, and Inclusion (DEI) Lunch
- 2022 Society of Women Engineers (SWE) Women’s Faculty Dinner
- 2022 Topic Editor at *Frontiers in Sensors*
- 2020 Topic Editorial Board and Journal Reviewer Board at *Micromachines*
- 2020 Project Manager, MGB Center for COVID Innovation (Diagnostics Accelerator), Boston, MA
- 2018 PhD Bioengineering Intern, Verily (Google Life Sciences), South San Francisco, CA
- 2018 Fashion Designer Development Program, Made Institute, Philadelphia, PA
- 2016 Rachleff Scholarship Program Mentor, University of Pennsylvania
- 2015 Y Prize Tech Consultant - Microfluidic Fabrication, University of Pennsylvania
- 2015 Senior Design Group Mentor, REU Mentor, University of Pennsylvania
- 2013 Volunteer at Neurosurgery Inpatient Area, Hospital of University of Pennsylvania (HUP)
- 2013 Volunteer at PET Scan Room, MD Anderson Cancer Center, Houston, TX
- 2013 Neurosurgeon Shadowing - Dr. DeMonte, MD Anderson Cancer Center, Houston, TX
- 2013 Grader for BIOE 372 Biomechanics, BIOE 391 Numerical Methods, BIOE 332 Bioengineering Thermodynamics, Rice University, Houston, TX
- 2012 Volunteer for Charcoal delivery for Christmas, Seoul, South Korea

SCHOLARSHIPS/HONORS

- 2022 Presidents Award for Excellence at CYTO
- 2021-2026 NIH K99/R00 NCI Pathway to Independence Award (Impact score: 10)

2020 Rising Stars in Engineering in Health at Columbia University
2020 ISEV2020 Young Investigator Scholarship
2019 MicroTAS 2019 Travel Grant
2018 Schmidt Science Fellows, in Partnership with the Rhodes Trust
2018 Sol Pollack Award (*Best thesis of the year*)
2018 Keystone Symposia Future of Science Fund Scholarship
2017 Lab on a Chip Widmer Award Winner, MicroTAS
2016 Bioengineering Graduate Group Symposium, 3rd Prize
2015 Singh Center for Nanotechnology Annual User Meeting, 1st Prize
2012 Scholarship for the Summer Research, École Nationale Supérieure des Mines de St-Étienne
2011-2013 Member of Pi Delta Phi: National French Honor Society
2010-2013 President's Honor Roll, Rice University