# CURRICULUM VITAE 1/10/2025

# Joshua Jay Levy

# **CURRENT POSITION(S)**:

Sep 2023-	Director of Digital Pathology Research Cedars Sinai Medical Center
Sep 2023-	Associate Director of Cedars Sinai AI Campus Cedars Sinai Medical Center
Sep 2023-	Research Scientist II Cedars Sinai Medical Center
Sep 2023-	Assistant Professor, Cedars Sinai Medical Center, Department of Pathology and Laboratory Medicine
Sep 2023-	Assistant Professor, Cedars Sinai Medical Center, Department of Computational Biomedicine
Sep 2023-	Adjunct Assistant Professor, Geisel School of Medicine at Dartmouth, Department of Pathology and Laboratory Medicine
Sep 2023-	Adjunct Assistant Professor, Geisel School of Medicine at Dartmouth, Department of Dermatology
Sep 2023-	Adjunct Assistant Professor, Geisel School of Medicine at Dartmouth, Department of Epidemiology
May 2022 –	Scientific Advisor, ViewsML, Hanover, NH
Aug 2021-	Faculty, Geisel School of Medicine at Dartmouth, Quantitative Biomedical Sciences, Hanover, NH
Oct 2020 –	Data Scientist, Veterans Affairs Healthcare System, White River Junction, VT
Jan 2020 –	Chief Technical Officer, ArcticAI, Hanover, NH
Jan 2019-	Director of National EDIT AI Internship Program, Lebanon, NH

# **PROFESSIONAL CONTACT INFORMATION**

Department of Pathology & Laboratory Medicine Department of Computational Biomedicine Cedars Sinai Medical Center 8687 Melrose Ave, West Hollywood, CA 90069

Tel: (925) 457-5752

E-mail: joshua.levy@cshs.org

Website: https://jlevy44.github.io/levylab GitHub: https://github.com/jlevy44 LinkedIn: https://www.linkedin.com/in/joshua-levy-87044913b/

ORCiD: https://orcid.org/0000-0001-8050-1291

Google Scholar: https://scholar.google.com/citations?user=vR39CWkAAAAJ

MyNCBI: https://www.ncbi.nlm.nih.gov/myncbi/1fgQvdpod0SEEc/bibliography/public/

eRA Commons Username: JJLEVY

# **EDUCATION**:

2017 BS in Physics

University of California, Berkeley, CA

College of Letters & Sciences: Highest Distinction graduation (top 1%)

2021 PhD in Quantitative Biomedical Sciences (Data Science)

Dartmouth College, Geisel School of Medicine, Hanover, NH

<u>Co-mentors</u>: Brock C. Christensen PhD (Department of Epidemiology)

Louis J. Vaickus MD, PhD (Department of Pathology and Laboratory Medicine)

# **PREVIOUS POSITIONS:**

Jun 2016 -

PREVIOUS	<u>OSITIONS</u> :
Aug 2018- Sep 2023	EDIT (Emerging Diagnostic and Investigative Technologies) Research Program Editor, Co-Founder, Department of Pathology and Laboratory Medicine, DHMC. Co-director of EDIT Machine Learning and Whole Genome Sequencing arms.
June 2021- Sep 2023	Senior Research Scientist, Dartmouth Health, Lebanon, NH
June 2021- Sep 2023	Assistant Professor, Geisel School of Medicine at Dartmouth, Department of Pathology and Laboratory Medicine
June 2021- Sep 2023	Assistant Professor, Geisel School of Medicine at Dartmouth, Department of Dermatology
June 2021- Sep 2023	Assistant Professor, Geisel School of Medicine at Dartmouth, Department of Epidemiology
June 2022- Sep 2023	Faculty, Dartmouth Hitchcock Medical Center, Department of Medicine, Section of Radiation Oncology
Aug 2021 – Sept 2023	Senior Research Scientist, Dartmouth Health, Lebanon, NH
Aug 2018 – June 2021	Doctoral Student, Quantitative Biomedical Sciences, Dartmouth College Geisel School of Medicine, Lebanon, NH
May 2018 – Aug 2018	Software Engineer Intern, Zymergen, Emeryville, CA

May 2020	Software Developer, Lawrence Berkeley National Lab, Berkeley, CA
April 2015 – Jun 2016	Biomechanics Research Assistant, CiBER lab, Berkeley, CA
Jun 2017 – Dec 2017 CA	Public Service Aide, San Francisco Department of Public Health: Tuberculosis Control, San Francisco,

# **PROFESSIONAL ACTIVITIES:**

#### **National Committee Services:**

- 2024- Translational and Basic Science Research in Early Lesions (TBEL) NIH program Steering Committee Associate Member
- 2024- Translational and Basic Science Research in Early Lesions (TBEL) NIH program Digital Pathology Working Group Member

#### **Cedars-Sinai Committee Services:**

- 2024- Cedars Sinai Clinical Scholars Faculty Mentor
- 2023- Cedars Sinai Medical Center, Digital Pathology Interest Group
- 2023- Pathology Liaison to Cedars Sinai AI Campus
- 2023- Computational Biomedicine, Health AI PhD Program Curriculum Design Committee
- 2023- Cedars Pathology Informatics Steering Committee
- 2023- Cedars-Sinai Cancer Center Member, Los Angeles, CA
- 2023- Cedars-Sinai Cancer Prevention and Control Program Member, Los Angeles, CA
- 2024- Cedars Cancer CPC CRTEC Liaison, CSMC, Los Angeles, CA

#### **Other Committee Services:**

- 2023- Boston Bioinformatics Society, PTP, 10x Genomics, and Biomodal Scientific Advisor 2018-
- 2021 Synergy Biostatistics Consultant, Geisel School of Medicine at Dartmouth, Hanover, NH
- 2022- DCC Trace Element Analysis Core Statistical/Machine Learning Consultant, Hanover, NH
- 2022- CQB COBRE Project Leader, Hanover, NH
- 2019-
- 2021 Burroughs Wellcome Fund Fellow, Geisel School of Medicine at Dartmouth, Hanover, NH
- 2018-
- 2020 Graduate Student Council Executive, Dartmouth College, Hanover, NH
- 2021- Quantitative Biomedical Sciences Ad-Hoc Reviewer Master's Admission Committee, Hanover, NH
- 2022- Cancer Population Sciences Program member, Dartmouth Cancer Center, Hanover, NH
- 2022- Biostatistics and Bioinformatics Shared Resource Faculty, Hanover, NH
- 2022- Bioinformatics Curriculum Committee, Quantitative Biomedical Sciences, Hanover, NH
- 2022 PhD Qualification Exam Committee Chair, Jeff Joseph, Hanover, NH
- 2023 Bachelor's High Honors Thesis Committee Member & Co-Advisor, Gokul Srinivasan, Hanover, NH
- 2023 Digital Health Advisory Group, Medical School Curriculum Committee, Geisel School of Medicine, Hanover, NH
- 2023 PhD Dissertation Exam Committee Member, Grace Rosner, Hanover, NH
- 2023 PhD Dissertation Exam Committee Member, Elizabeth Anderson, Hanover, NH
- 2024 PhD Dissertation Exam Committee Member, Lan Shui, MD Anderson, Houston, TX
- 2024 PhD Dissertation Exam Committee Member, Neda Khanjani, Cedars Sinai, Los Angeles, CA

#### Professional Development Activities

2024 2018-present 2018-present 2018-present 2019 2019	JUMP: Junior Faculty Mentoring Program CITI Program, Biomedical Responsible Conduct of Research (RCR) course completion CITI Program, Biomedical Data or Specimens Research Basic course, completion CITI Program, Good Clinical Practice (US, FDA focus) clinical trials with investigational drugs and medical devices (GCP) course completion Supervised Teaching Workshop, Mentor Skills Development NIH Grant Workshop
2017 2016	Coaching Corps Leadership Development Program Crisis Support Counselor Training Program
<b>Grant Review</b>	er Activities
	outh Cancer Center Developmental Grant Reviewer, July Cycle, Lebanon, NH
2023 NIH C	Center for Molecular Epidemiology COBRE Pilot Grant Reviewer, Lebanon, NH
	outh Cancer Center Developmental Grant Reviewer, December Cycle, Lebanon, NH
2024 Cedars	s Cancer Center Early Career Development Award, Los Angeles, CA
	Associations/Society Memberships:
2017-	in Late III and a CAD Forders in the Clark Well and County CA. Formula
	ial Intelligence (AI) Enthusiast Club, Walnut Creek, CA, Founder
2018- 2019 Quant	Ditz Data Sajanga Club, Hanayar NH, Mambar
	Blitz Data Science Club, Hanover, NH, Member niology Students Club, Hanover, NH, Member
2020-	mology Students Club, Hanover, 1911, Weimber
	al Language Processing (NLP) Consultant, Department of Psychiatry, Hanover, NH
2019-	a Language 1100055mg (1121) Constitution, Department of 15 yenitary, 11anover, 1111
	ational Society for Computational Biology and Bioinformatics
	iation for Computing Machinery
	itative Biomedical Sciences Ad-Hoc Reviewer Master's Admission Committee, Hanover, NH
•	outh Cancer Center, Cancer Population Sciences
	outh Cancer Center, Metals in cancer working group
	outh Cancer Center, Biostatistics and Bioinformatics Shared Resource
	outh Cancer Center, Trace Element Analysis Shared Resource
	itative Biomedical Sciences Bioinformatics Curriculum Committee, Hanover, NH
-	l Pathology Association
2024- Ameri	can Association for Cancer Research (AACR)
2024- United	States and Canadian Academy of Pathology (USCAP)
Community S	ervice:
2015	American Heart Association Advocacy, Advocacy Intern, Oakland, CA
2011-2019	Special Olympics, Head Coach, Walnut Creek, CA
2015-2018	Coaching Corps, King Middle School, Basketball Coach, Berkeley, CA
2015-2018	Coaching Corps Berkeley Chapter Executive Recruitment Coordinator, Berkeley, CA
2015-2017	American Foundation for Suicide Prevention, Outreach Coordinator, Berkeley, CA
2011-2016	Telescope Makers Workshop, Astronomy Docent and Telescope Maker, Mount Diablo Astronomical
2015 2019	Society, Berkeley, CA  National Suicida Prayantian Lifelina, American Foundation for Suicida Prayantian, Oakland, CA
2015-2018	National Suicide Prevention Lifeline, American Foundation for Suicide Prevention, Oakland, CA
New Hampshire Academy of Sciences Mentor, Lyme, NH	
New Hampshire Special Olympics Volunteer, Lyme, NH Community Outreach Executive, Student Council, Hanover, NH	
2020 <b>-</b> 2021	Special Olympics and Upper Valley Haven Shelter Food
2022-	DCC CRTEC POWERED Mentor
2022-	Dec extrements III decomplisate Administra Descritor and & Outrosch Callaboration

Dartmouth Undergraduate Admissions Recruitment & Outreach Collaboration Cedars-Sinai High School Lecture Outreach Program Cedars-Sinai AI Campus Mentor, Project Teams 2 and 7 for Biomedical Image and Network Analysis

2023 2023-2023-

2024-	Cal State Dominguez Hills AI Campus Mentor				
2024-	Cedars-Sinai INSPIRE Intern Mentor				
2024-	Cedars-Sinai CRTEC Intern Mentor				
2024	Black Men in White Coats Hands On Activity, Los Angeles Convention Center				
2025	Undergraduates Gaining Research Opportunities for the Cancer Workforce (U-GROW) Program				
Mentoring:					
Research Men	<u>toring</u>				
PostDoc:					
2024 -	Khang Le, Cedars Sinai, PostDoc, Image Analysis				
2023 -	Cynthia Jinno, Cedars Sinai, PostDoc Co-Mentee with Hideki Furuya, Bladder Cancer				
2024 -	Samaneh Sattari, UCSF, Urine Metals Biomineralization				
2024 -	Nicole Gull, Cedars Sinai, Ovarian Cancer Spatial Analysis (Collaboration)				
Dissertation Stu					
2021 -	Marietta Montivero, Geisel, MD PhD Student, Surgical Excision/Dermatology				
2021 -	Elizabeth Anderson, Dartmouth College (QBS), PhD Student, Placenta Histology				
2022 -	Alos Diallo, Dartmouth College (QBS), PhD Student, Spatial Transcriptomics				
2023 -	Grace Rosner, Dartmouth College (MCB), PhD Student, Spatial Transcriptomics				
2024 -	Weiyi Wu, Dartmouth College (QBS), PhD Student, Spatial Transcriptomics (Collaboration)				
2024 -	Harsimran Kaur, PhD Student @ Vanderbilt, Spatial Transcriptomics (Collaboration)				
2024 - 2024 -	Lan Shui, PhD Student @ MD Anderson, 3D Spatial Transcriptomics (Dissertation Committee) Neda Khanjani, PhD Student @ Cedars, Alzheimer's Disease (Dissertation Committee)				
	Neda Khanjani, PhD Student @ Cedars, Alzheimer's Disease (Dissertation Committee)				
<u>Faculty:</u> 2025 -	Larissa Langhi Prata, Cedars Sinai Faculty, Department of Medicine				
2024 -	Vamsi Varra, Baylor, Mohs Surgeon, Dermatology				
2024 -	Yue Yan, Dartmouth Health Faculty, Medical Physicist, Radiation Oncology				
2022 -	Marthony Robins, Dartmouth Health Faculty, Medical Physicist, Radiation Oncology				
2022 -	Louis Vaickus, Dartmouth Health Faculty, Pathologist, Bladder Cancer Screening (K08)				
Residents/Fello	· · · · · · · · · · · · · · · · · · ·				
2019 - 2021	Robert Hamilton, DH Pathology Resident/Fellow, Auto-Machine Learning				
2019 - 2021	Chris Jackson, DH Pathology Resident/Fellow, Virtual Immunofluorescence				
2020 - 2021	Ryan Glass, DH Pathology Resident/Fellow, Bayesian Cytology Prediction				
2022 -	Abdol Aziz, DH Pathology Resident, Graph Neural Networks				
2023 -	Sam Harvey, Johns Hopkins Pathology Resident, Urine Cytology ML				
2023 -	Yoseph Sayegh, Johns Hopkins Pathology Resident, Urine Cytology ML				
Research Assoc					
2018 - 2021	Jorge Lima, Data Scientist, Pressure Injury Prediction				
2020 -	Max Levis, Assistant Professor, NLP Suicide Risk				
2021 -	Brady Hunt, Data Scientist, Radiation Oncology				
2019 -	Carly Bobak, Data Scientist, Graphs & Networks				
Medical Studen					
2020 - 2021	Eren Veziroglu, Geisel, Medical Student, Digital Spatial Profiling				
2020 - 2021	Mustafa Nasir Moin, Geisel, Medical Student, Digital Spatial Profiling				
2022 -	Raven Bennett, Geisel, Medical Student, Microbiome				
2022 -	Shahin Shahsavari, Geisel, Medical Student, Skin Aging				
2022 -	Faraz Farhadi, Geisel, Medical Student, Orthopedics				
2022 -	Harun Sugito, Geisel, Medical Student, Orthopedics				
2022	Alex Lindqwister, Geisel, Medical Student, Med AI Education				
2022 -	Angel Moore, Geisel, Medical Student, Med AI Dermatology				
2022 -	Elizabeth Krogman, Geisel, Medical Student, Med AI Dermatology				
2022 -	Soo Hwan Park, Geisel, Medical Student, NLP				
2022 -	Travis Byrum, Geisel, Medical Student, NLP				
2022 -	Liam Locke, Geisel, Medical Student, NLP				
2022 -	Nicholas An, Geisel, Medical Student, Skin Photoaging				

2023 -	Meave Otieno, Geisel, Medical Student, Cancer Informatics		
2018 - 2021	Christian Haudenschild, Medical Student Minnesota, Federated Data Networks		
2024 -	Camille Ng, Medical Student, California Northstate University College of Medicine, Cytology		
2024 -	Michael Yu, Medical Student, UCLA, Cytology		
Master's Stude			
2020 -	Brody McNutt, Dartmouth College (QBS), Master's Student, Secure Data Encryption		
2020 - 2022	Julian Gullett, Dartmouth College (QBS), Master's Student, Evaluation AI Technologies		
2021 -	Yunrui Lu, Dartmouth College (QBS), Master's Student, Natural Language Processing		
2021 -	Uhuru Kamau, Dartmouth College (QBS), Master's Student, Natural Language Processing		
2021 -	Shuyang Lu, Dartmouth College (QBS), Master's Student, Natural Language Processing		
2021 -	Taylor Hudson, Dartmouth College (QBS), Master's Student, CRISPR		
2021 -	Sean McOsker, Dartmouth College (QBS), Master's Student, Model Explainability		
2022 -	Natt Chan, Dartmouth College (QBS), Master's Student, Pathology		
2022 -	Ojas Ramwala, UWashington/NYU, CS PhD Student, Digital Pathology		
2022 -	Chenhao Zhao, Master's Student (QBS), Bayesian Statistics		
2022 -	Matthew Chan, Master's Student (QBS), Medical Informatics		
2022 -	Bofan Chen, Master's Student (QBS), Imaging		
2022 -	Digvijay Yadav, Master's Student (QBS), Surgical Technologies		
2022 -	Ayush Chakraborty, Master's Student (QBS), NLP		
2022 -	Minchuan Qin, Master's Student (QBS), Image Analysis		
2022 -	Sunishka Jain, Master's Student (CS), NLP		
2023 -	Ansh Gupta, Master's Student (QBS), Image Analysis		
2023 - 2024 -	Monica DiMambro, Master's Student (QBS), NLP Veterans		
2024 -	Moses Addai, Dartmouth College, Master's Student, Program Coordinator Olivia Cargnel, McGill University, Post-Bacc, Mental Health		
PhD Rotation S			
2021 - 2022	Jeff Joseph, Dartmouth College (QBS), PhD Rotation & Qual, Spatial Correlations		
2022	Peiying Hua, Dartmouth College (QBS), PhD Rotation, NLP		
2023	Thadryan Sweeney, Dartmouth College (QBS), PhD Rotation, Regression Trees		
2023 -	Ji-Qing Chen, Dartmouth College (MCB), PhD Candidate, Multimodal Bladder Cancer WSI		
Undergraduate			
2019 -	Jason Zavras, Dartmouth College, Presidential Scholar, Undergraduate Student, Stain Normalization		
2020 -	Jason McFadden, Dartmouth College, Undergraduate Student, Evaluation AI Technologies		
2021	Osezele Okoruwa, Dartmouth College, Undergraduate Student, Stain Preference		
2021 - 2022	Jean Yuan, Dartmouth College, Undergraduate Student, Medical Informatics		
2021 - 2022	Daniel Dong, Dartmouth College, Undergraduate Student, Medical Informatics		
2022 -	William Chen, Dartmouth College, Undergraduate Student, Data Evaluation		
2022 -	John Zavras, Dartmouth College, Presidential Scholar, Undergraduate Student, Spatial Profiling		
2022 -	Sabin Hart, Dartmouth College, Undergraduate Student, DNA Methylation		
2022 -	David Kaufmann, Dartmouth College, Undergraduate Student, Cancer Immunology		
2022 -	Cinay Dilibal, Dartmouth College, Undergraduate Student, Medical Informatics		
2022 -	Julia Shen, Dartmouth College, Undergraduate Student, Placenta		
2023 -	Kamren Khan, Dartmouth College, Undergraduate Student, Dermatology		
2023 -	Art Robinson, Dartmouth College, Undergraduate Student, Dermatology Phone Application Photoaging		
2023 -	Onyinyechi Owo, Dartmouth College, Undergraduate Student, Pathology & Biomedical Engineering		
2023 -	Zoefaith Caraballo-Bobea, Dartmouth College, Undergraduate Student, Placental Histology		
2022 -	Suchita Hadimani, George Mason University, Undergraduate Student, Image analysis		
2021 -	Jack Greenburg, Middlebury College, Undergraduate Student, Natural Language Processing for CPT Code Billing		
2021 -	Carly Miles, University of Michigan, Undergraduate Student, Medical Informatics		
2022 -	Bailey Thompson, UC Santa Cruz, Undergraduate Student, Medical Informatics		
2023 -	Atharva Shah, Indiana University, Undergraduate Student, Pathology Informatics		
2022 -	Tess Cronin, University of New Hampshire, Undergraduate Student, Machine Learning Review		

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2023 -
               Duarte Albuquerque, Brigham and Women's Hospital / Harvard, Undergraduate Student, Computational
2024 -
               Winnie Chen, University of Maryland, Spatial Genomics
               Valentina Hong, George Mason University, Undergraduate Student, Image Analysis
2024 -
2024 -
               Matthew Catrambone, Dartmouth College, Undergraduate Student, Image Analysis
2024 -
               Katherine Da, Dartmouth College, Undergraduate Student, Image Analysis
2024 -
               Elise Little, Dartmouth College, Undergraduate Student, ST
               Chris Zhao, Dartmouth College, Undergraduate Student, Cervical Cancer
2024 -
2024 -
               Chae Lee, Dartmouth College, Undergraduate Student, Program Coordinator
2024 -
               Ben Mattern, Dartmouth College, Undergraduate Student, Program Coordinator
2022
               Deepanshu Mody, Other Institutions, Undergraduate Student, DNAm Aging
2022 - 2023
               Serin Han, Other Institutions, Undergraduate Student, Metals
               Diurre Honsbee, McAllister, Undergraduate, Skin Machine Learning
2024
High School Students:
2020 - 2020
               Ajay Prabhakar, EDIT Summer Intern, High School Student, Morphology Hierarchy
2020 - 2020
               Kaien Yang, EDIT Summer Intern, High School Student, Secure Data Encryption
2020 - 2020
               Richard Zhan, EDIT Summer Intern, High School Student, Virtual Staining
2020 -
               Sumanth Ratna, EDIT Summer Intern, High School Student, Segmentation
               Harsha Harish, EDIT Summer Intern, High School Student, Cell/Tissue Clustering
2020 - 2021
2020 - 2021
               Nishitha Vattikonda, EDIT Summer Intern, High School Student, Natural Language Processing
2021 -
               Sachin Kumar, EDIT Summer Intern, High School Student, 3D Tissue Modeling
2021 -
               Ramya Reddy, EDIT Summer Intern, High School Student, Morphological-Molecular Alteration
2021 -
               Ram Reddy, EDIT Summer Intern, High School Student, Morphological-Molecular Alteration
2021 -
               Akshat Alok, EDIT Summer Intern, High School Student, Omics Deep Staging Models
2021 -
               Zarif Azher, EDIT Summer Intern, High School Student, Multimodal Integration
2021 -
               Andrew Wang, EDIT Summer Intern, High School Student, Cellular Hierarchy
2021 -
               Akash Pamal, EDIT Summer Intern, High School Student, Surgical Cell Modeling
2021 -
               Irfan Nafi, EDIT Summer Intern, High School Student, Surgical Cell Modeling
2021 -
               Tarushii Goel, EDIT Summer Intern, High School Student, Surgical Cell Modeling
2021 -
               Abhinav Angirekula, EDIT Summer Intern, High School Student, Surgical Cell Modeling
2021 -
               Cristian Clewis, EDIT Summer Intern, High School Student, Tissue Staging Models
2021 -
               Abena Kyereme-Tuah, EDIT Summer Intern, High School Student, Tissue Staging Models
2021 -
               Sameeksha Garg, EDIT Summer Intern, High School Student, Tissue Staging Models
2021 -
               Sagar Gupta, EDIT Summer Intern, High School Student, Omics Deep Staging Models
2021 - 2021
               John Kim, EDIT Summer Intern, High School Student, 3D Tissue Modeling
2021 - 2021
               Aryan Kumawat, EDIT Summer Intern, High School Student, 3D Tissue Modeling
               Adnan Murtaza, EDIT Summer Intern, High School Student, 3D Tissue Modeling
2021 - 2021
               Edward Zhang, EDIT Summer Intern, High School Student, Ink Imputation Histology
2021 -
2021 -
               Taein Kim, EDIT Summer Intern, High School Student, Ink Imputation Histology
2021 -
               Nikhil Kalidasu, EDIT Summer Intern, High School Student, Cell Detection
2021 - 2021
               Mohan Liu, EDIT Summer Intern, High School Student, Stain Preference
2021 -
               Michael Cheng, EDIT Summer Intern, High School Student, Cytology Translation
2022 -
               Utkarsh Goyal, EDIT Summer Intern, High School Student, DNAm
2022 -
               Sanjay Jacob, EDIT Summer Intern, High School Student, CRISPR
2022 -
               Anish Suvarna, EDIT Summer Intern, High School Student, Mohs
2022 -
               Eric Feng, EDIT Summer Intern, High School Student, Spatial Omics
2022 -
               Michael Fatemi, EDIT Summer Intern, High School Student, Spatial Omics
2022 -
               Ananya Gottumukkala, EDIT Summer Intern, High School Student, Microbiome
2022 -
               Aryaman Khanna, EDIT Summer Intern, High School Student, Mohs
2022 -
               Ram Vempati, EDIT Summer Intern, High School Student, Mohs
2022 -
               Nikhil Pesala, EDIT Summer Intern, High School Student, Mohs
2022 -
               Sameer Gabbita, EDIT Summer Intern, High School Student, DNAm
2022 -
               Neha Reddy, EDIT Summer Intern, High School Student, CRISPR
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Audhav Durai, EDIT Summer Intern, High School Student, Mohs

2022 -

2022 - Christol Wang, EDIT Summer Intern, High School Student, Virtual Staining 2022 - Hyunjae Chung, EDIT Summer Intern, High School Student, DNAm 2022 - Sayan Bhattacharya, EDIT Summer Intern, High School Student, DNAm 2022 - Will Crampton, EDIT Summer Intern, High School Student, Disease Staging 2022 - Amruta Rajeev, EDIT Summer Intern, High School Student, Disease Staging 2022 - Amruta Rajeev, EDIT Summer Intern, High School Student, Disease Staging 2022 - Amruta Rajeev, EDIT Summer Intern, High School Student, CRISPR 2022 - Nancy Hernandez, EDIT Summer Intern, High School Student, Satellites 2022 - Nancy Hernandez, EDIT Summer Intern, High School Student, Satellites 2022 - Rushank Goyal, EDIT Summer Intern, High School Student, Merkel Cell 2022 - Charlie Spivak, EDIT Summer Intern, High School Student, Merkel Cell 2022 - Christopher Perinello, EDIT Summer Intern, High School Student, Merkel Cell 2022 - Christopher Perinello, EDIT Summer Intern, High School Student, Merkel Cell 2022 - Cyri Sharma, EDIT Summer Intern, High School Student, Merkel Cell 2022 - Cyri Sharma, EDIT Summer Intern, High School Student, Notal Student, Sophic Chen, EDIT Summer Intern, High School Student, Moha 2023 - VedhSai Thirvieedi, EDIT Summer Intern, High School Student, Notal Staining 2023 - Jaiman Pandya, EDIT Summer Intern, High School Student, Spatial Transcriptomics 2023 - Will Crampton, EDIT Summer Intern, High School Student, Spatial Transcriptomics 2023 - Will Crampton, EDIT Summer Intern, High School Student, Spatial Transcriptomics 2023 - Will Crampton, EDIT Summer Intern, High School Student, Nell Uncertainty 2023 - Rishabh Pathu, EDIT Summer Intern, High School Student, Nell Prognostication 2023 - Patrick McOsker, EDIT Summer Intern, High School Student, CRISPR 2023 - Patrick McOsker, EDIT Summer Intern, High School Student, Will Uncertainty 2023 - Patrick McOsker, EDIT Summer Intern, High School Student, Multimodal Prognostication 2023 - Tanay Panja, EDIT Summer Intern, High School Student, Multimodal Prognostication	2022 -         UnCheng Leong, EDIT Summer Intern, High School Student, Virtual Staining           2022 -         Sayan Bhattacharya, EDIT Summer Intern, High School Student, Satellites           2022 -         Will Crampton, EDIT Summer Intern, High School Student, Statellites           2022 -         Amruta Rajeev, EDIT Summer Intern, High School Student, Radiation Oncology           2022 -         An Le, EDIT Summer Intern, High School Student, Radiation Oncology           2022 -         An Le, EDIT Summer Intern, High School Student, Radiation Oncology           2022 -         Ananya Pamal, EDIT Summer Intern, High School Student, Radiation Oncology           2022 -         Ananya Pamal, EDIT Summer Intern, High School Student, Radiation Oncology           2022 -         Charlie Spivak, EDIT Summer Intern, High School Student, Merkel Cell           2022 -         Charlie Spivak, EDIT Summer Intern, High School Student, Merkel Cell           2022 -         Cyrli Sharma, EDIT Summer Intern, High School Student, Spatial Omics           2022 -         Cyrli Sharma, EDIT Summer Intern, High School Student, William School Student, William School Student, Spatial Transcriptomics           2023 -         Christopher Perrielle, EDIT Summer Intern, High School Student, Tanaciptomics           2023 -         VedhSai Thiriveed, EDIT Summer Intern, High School Student, Tanaciptomics           2023 -         Araw Bhardwaj, EDIT Summer Intern, High School Student, Satial Transcriptomics		
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2023 -Aruesha Srivastava, EDIT Summer Intern, High School Student, Spatial Elemental Analysis 2023 -Nehal Singh, EDIT Summer Intern, High School Student, Virtual Staining 2023 -Chloe Sow, EDIT Summer Intern, High School Student, TBD 2023 -Akshith Ambekar, EDIT Summer Intern, High School Student, Urine Cytology 2023 -Eric Zeng, EDIT Summer Intern, High School Student, Bladder Prognostication 2023 -Jasmine Ma, EDIT Summer Intern, High School Student, TBD 2023 -Jaydon McVorran, EDIT Summer Intern, High School Student, TBD 2023 -Aditya Sengar, EDIT Summer Intern, High School Student, Placental Histology 2023 -Emi Zhang, EDIT Summer Intern, High School Student, NLP Uncertainty 2024 -Noah Lee, Cedars INSPIRE, High School Student, Urine Cytology 2024 -Working directly with 90 EDIT AI Summer Interns, 2024, largely Spatial Transcriptomics AI projects, see https://ben-m-7.github.io/editai internship/ **Career Mentoring** 2020 - 2022Julian Gullett, Master's Student (QBS), Career Mentoring 2021 -Sean Pietrowicz, Master's Student (OBS), Career Mentoring Alos Diallo, QBS PhD Student, Career Mentoring 2022 2022 Kevin Rouse, Master's Student (OBS), Career Mentoring Anton Hung, Master's Student (QBS), Career Mentoring 2022 2022 Sukriti Ghosh, Master's Student (QBS), Career Mentoring 2022 Aislinn Gilmour, Master's Student (QBS), Career Mentoring 2022 Tianyue Zhou, Master's Student (QBS), Career Mentoring **Cedars AI Campus Project Team Members** 2024 Wilberforce Twinamatsiko, Cedars Sinai, Graduate Student, NC Ratio Bladder Cancer 2024 Hyunjun Choi, Cedars Sinai, Masters degree, NC Ratio Bladder Cancer 2024 Mythreye Venkatesan, Cedars Sinai, Masters degree, NC Ratio Bladder Cancer 2024 Anthony Nguyen, Cedars Sinai, MD, NC Ratio Bladder Cancer 2024 Cynthia Jinno, Cedars Sinai, PhD, NC Ratio Bladder Cancer 2024 Alli Dee, Cedars Sinai, High School Student, NC Ratio Bladder Cancer 2024 Annie Ester, Cedars Sinai, Masters degree, NC Ratio Bladder Cancer 2024 Eduardo Scandinari Manzolli, Cedars Sinai, Masters degree, NC Ratio Bladder Cancer Sanjay Das, Cedars Sinai, MD, NC Ratio Bladder Cancer 2024 2024 Yan Ou, Cedars Sinai, PhD, NC Ratio Bladder Cancer 2024 Carlos David, Cedars Sinai, PhD, NC Ratio Bladder Cancer 2024 Michael Zuniga, Cedars Sinai, Masters degree, NC Ratio Bladder Cancer 2024 Megumi Nakamura, Cedars Sinai, MD, NC Ratio Bladder Cancer 2024 Natalyn Bell, Cedars Sinai, Masters degree, NC Ratio Bladder Cancer Cristal Gonzalez, Cedars Sinai, High School Student, NC Ratio Bladder Cancer 2024 2024 Danita Ashley, Cedars Sinai, Graduate Student, NC Ratio Bladder Cancer 2024 Sergio Sanders, Cedars Sinai, Undergraduate Student, NC Ratio Bladder Cancer 2024 Camoron Wallace, Cedars Sinai, Undergraduate Student, NC Ratio Bladder Cancer Aojia Zhuang, Cedars Sinai, PhD, Biological Network Analysis 2024 Jonathan Bui, Cedars Sinai, Undergraduate Student, Biological Network Analysis 2024 2024 Pedro Ribeiro, Cedars Sinai, Masters degree, Biological Network Analysis 2024 Haitao Chen, Cedars Sinai, Graduate Student, Biological Network Analysis 2024 Walter Morales, Cedars Sinai, Undergraduate Student, Biological Network Analysis 2024 Yunwen Wang, Cedars Sinai, PhD, Biological Network Analysis Arzu Has Silemek, Cedars Sinai, Postdoctoral Scientist, Biological Network Analysis 2024 2024 Philip Wong, Cedars Sinai, PhD, Biological Network Analysis 2024 Steven Moore, Cedars Sinai, Undergraduate Student, Biological Network Analysis Ginam Cho, Cedars Sinai, PhD, Biological Network Analysis

Jihyeon Lee, Cedars Sinai, PhD, Biological Network Analysis

Constanze Oya, Cedars Sinai, Clinical Research Associate, Biological Network Analysis

2024

2024

2024

2024	Christine Lam, Cedars Sinai, MD, Biological Network Analysis
2024	Richard Kim, Cedars Sinai, MD, Biological Network Analysis
2024	Woosung Ahn, Cedars Sinai, PhD, Biological Network Analysis
2024	Tyrice O'Connor, Cedars Sinai, Undergraduate Student, Biological Network Analysis
2024	Golnaz Yadollahikhales, Cedars Sinai, MD, Biological Network Analysis
2024	Sung Min Na, Cedars Sinai, Undergraduate Student, Biological Network Analysis
2024	Morvarid Kabir, Cedars Sinai, PhD, Biological Network Analysis
2024	Mounika Chaganti, Cedars Sinai, Masters degree, Biological Network Analysis
2024	Radin Razipour, Cedars Sinai, High School Student, Biological Network Analysis
2024	Ariya Mahbod, Cedars Sinai, MD, Biological Network Analysis

# **Cedars CRTEC YMCA Internship**

2024	Valeria Mercado, Cedars Sinai, AI and Bladder Cancer
2024	Esmeralda Aparicio, Cedars Sinai, AI and Bladder Cancer
2024	Abigail Rott, Cedars Sinai, AI and Bladder Cancer
2024	Bethlehem Arefaine, Cedars Sinai, AI and Bladder Cancer
2024	Jazmine Mercado, Cedars Sinai, AI and Bladder Cancer

# **CSUDH Master's Committee Membership, CSUDH AI Campus**

2024	Harsha Ponnada, CSUDH CS Master's Student, NLP
2024	Vivek Podduturi, CSUDH CS Master's Student, Graph Neural Networks and Fake News
2024	Umer Naeen, CSUDH CS Master's Student, Graph Neural Networks and Fake News
2024	Shahir Amjad, CSUDH CS Master's Student, Physician Networks
2024	Christian Quintero, CSUDH CS Master's Student, Bladder Cancer

#### **Editorial Services:**

2021	г .	· 1	/r 1 1	Tr 1 1
2021-	Frontiers	111 N	tedical.	Technology

Co-Guest Editor

2021- Cancers

Co-Guest Editor

2025- BMC Bioinformatics

**Guest Editor** 

# **Consulting Activities:**

Oct 2020 -

present Statistical Consultant, Veterans Affairs Healthcare System, White River Junction, VT

Oct 2022 -

present Statistical Consultant, DCC Trace Element Analysis Core, Lebanon, NH

Oct 2023 -

present Consultant, Dartmouth Hitchcock Medical Center, Pathology & Dermatology, Lebanon, NH

# **Journal Referee Activity:**

Crohn's and Colitis 360 (x1)

Pacific Symposium on Biocomputing (x4)

BMC Biomedical Medical Research Methodology (x1)

Laboratory Investigation (x2)

PLOS Computational Biology (x3)

Cancer Cytopathology (x1)

Computational Statistics & Data Analysis (x1)

Computerized Medical Imaging and Graphics (x2)

Computer Methods and Programs in Biomedicine (x2)

Clinical Epigenetics (x2)

Journal of Translational Medicine (x1)

Neural Processing Letters (x1)

All Life (x1)

BMC Medical Informatics (x2)

BMC Bioinformatics (x2)

The Lancet (x1)

Nature Communications (x3)

Nature Scientific Reports (x7)

IEEE Journal of Biomedical and Health Informatics (x1)

Bioinformatics (x1)

Frontiers in Education (x2)

Cancers (x2)

Annals of Applied Statistics (x1)

Journal of Medical Artificial Intelligence (x1)

NAR Genomics and Bioinformatics (x1)

Biomolecules (x1)

American Journal of Pathology (x1)

Clinical and Translational Medicine (x2)

Histopathology (x1)

JAMA Oncology (x2)

Cell Reports (x1)

Journal of Pathology Informatics (x1)

Briefings in Bioinformatics (x1)

The Lancet Digital Health (x1)

NPJ Precision Oncology (x1)

The Journal of Pathology (x1)

Health Informatics (x1)

Frontiers in Oncology (x1)

Bioinformatics Advances (x1)

Communications Biology (x1)

## Summary of Entrepreneurial Activities

Related to the design of deep learning techniques for the analysis of whole slide images and high-resolution anorectal manometry devices (ongoing).

- I-Corps Incubator
- Dartmouth Innovations Accelerator for Cancer
- DRIVEN Accelerator
- Dartmouth Entrepreneurs Startup Competition Finalists
- 1 Provisional Patent
- 3 Patents Awarded, in process of dividing into systems & methods patents
- Ad Hoc Consultation for Two Digital Pathology Companies
- Scientific Advisor for Computational Biology Society

# **HONORS AND SPECIAL AWARDS:**

2015-2017	Dean's List (Fall 2015, Spring 2016), UC Berkeley
2015-2017	Honors (All Semesters); Highest Distinction; Cum. GPA: 3.97 / 4.0; Major GPA: 3.98 / 4.0, UC Berkeley
2020	Center for Quantitative Biology Travel Award (\$2,000), Geisel School of Medicine at Dartmouth College
2020	Best Paper, BIOSTEC 2020 Comp2Clinic Workshop
2021	Modern Pathology Article Top Pick of January 2021, Modern Pathology

2022	Hannah Croasdale Award for academic excellence (\$1,000), Guarini School of Graduate and Advanced
	Studies
2023	2022 Faculty Publication Recognition, Department of Pathology and Laboratory Medicine, DH
2023	Editor's Choice Article, The American Journal of Pathology
2023	Reviewer of the Month September 2023, Journal of Medical Artificial Intelligence
2024	Most Influential Article of the Year, American College of Mohs Surgery

### **RESEARCH AWARDS AND GRANTS:**

#### **CURRENT GRANTS**

Funding Period: 2022-

Title: Burroughs Wellcome Fellowship

Role: Co-Mentor

Funding Source: Burroughs Wellcome Fund

**Directs**: \$60,000 **Total Costs**: \$60,000

Funding Period: 2024-

Title: VA Clinical Science Research and Development Career Development Award (CX002630)

Role: Site-PI (PI: Levis M)
Funding Source: Veteran Affairs

**Directs**: \$40,000 **Total Costs**: \$40,000

Funding Period: 2022-

Title: R24GM141194 Biomedical National Elemental Imaging Resource (BNEIR) (Subaward Directs)

Role: Site-PI (PI: Brian Jackson)

Funding Source: National Institutes of Health

**Directs**: \$271,000 **Total Costs**: \$271,000

Funding Period: 2022-

Title: Informatics Software to Develop Cell-Type Specific Spatial Molecular, Elemental and Histological Signatures

Associated with Tumor Metastasis

Role: PI

Funding Source: Dartmouth Cancer Center Developmental Funds

**Directs**: \$60,000 **Total Costs**: \$60,000

**Funding Period**: 2023-

Title: Machine Learning Strategies for Predicting the Risk of Suicide Using Clinical Note Text, Subaward Directs

Role: Site-PI (PI: Gui J)

Funding Source: Defense Advanced Research Projects Agency, Department of Defense, PR220927

**Directs**: \$2,000,000 **Total Costs**: \$2,000,000

Funding Period: 2023-

Title: 5P30CA023108 DCC CRTEC High School EDIT AI Program Coordinator, Travel Awards, Support

Role: PI

Funding Source: Dartmouth Cancer Center / National Institutes of Health

**Directs**: \$20,600 in annual directs **Total Costs**: \$20,600 in annual directs

Funding Period: 2022-

Title: Semi-automated bladder cancer screening using machine learning: clinical validation and implementation

**Role**: Mentor (PI: Vaickus L)

Funding Source: National Institutes of Health K08CA267096

**Directs**: \$1,000,000 **Total Costs**: \$1,000,000

**Funding Period**: 2023-

Title: PRESS, a novel non-invasive tool for detection and assessment of skin tumor based on protoporphyrin IX (PPIX)

fluorescence.

Role: Co-PI (PI: Chapman S)

Funding Source: P30 DCC Development Funds

**Directs**: \$60,000 **Total Costs**: \$60,000

**Funding Period**: 2024

Title: Pre-operative Stereotactic Radiosurgery (SRS) for Brain Metastases with or without Hyperbaric Oxygen (HBO): an

**Exploratory Molecular Marker Analysis** 

**Role**: Co-PI (PI: Hartford A)

Funding Source: DCC Developmental Funds

**Directs**: \$100,500 **Total Costs**: \$100,500

Funding Period: 2024-2025

Title: Enhancing Bladder Cancer Screening and Surveillance through Digital Integration of Urine Cytology Imaging,

Proteomics, and Whole Exomic Sequencing for Biomarker Discovery

Role: PI

Funding Source: Cedars Sinai Precision Health

**Directs**: \$80,000 **Total Costs**: \$80,000

Funding Period: 2024-

Title: A Multiplex Protein Biomarker-Based Immunoassay for the Early Detection of Bladder Cancer

Role: Co-I (MPI: Rosser C, Furuya H)

Funding Source: National Institutes of Health R01CA277810

**Directs**: \$4,000,000 **Total Costs**: \$6,000,000

Funding Period: 2024-

Title: Expanding Access to Cervical Cancer Screening in Honduras through AutoPap, an Integrative Digital Artificial

Intelligence Technology for Automated Pap Smear Slide Assessment

Role: PI

Funding Source: AWS Health Equity Initiative

**Directs**: \$150,000 **Total Costs**: \$150,000

Funding Period: 2024-

Title: Automated Histopathological Pap Smear Slide Assessment in the Honduras (separate from AWS Health Equity)

Role: Co-PI

Funding Source: AWS Social Responsibility and Impact

**Directs**: \$150,000 **Total Costs**: \$150,000

Funding Period: 2024-

Title: Impact of Exogenous Loads on Human Condylar Composition and Morphology, and TMJ Kinematics

Role: Co-I (MPI: Ho S, Larson P)

**Funding Source**: UCSF

**Directs**: \$80,000 **Total Costs**: \$80,000

Funding Period: 2024-2029

Title: ONECUT2 as Master Regulator of Androgen Receptor Axis in Prostate Cancer.

**Role**: Co-I (PI: Freeman M)

Funding Source: National Institutes of Health

**Directs**: \$4,000,000 **Total Costs**: \$6,000,000

Funding Period: 2024-

Title: 3-Dimensional Inference of Spatial Transcriptomics Data to Facilitate Same Section Destructive Assay Profiling at

Interleaving Sections **Role**: PI (Co-PI: Lau K)

Funding Source: National Institutes of Health

**Directs**: \$90,000 **Total Costs**: \$90,000

**Funding Period**: 2023

Title: Persistent Environmental Toxicants in Veteran CNS Tissue: Identifying Exposures Determining Higher ALS Risk

Role: Site-PI (PI: Stommel E) Funding Source: CDC Directs: \$2,000,000

**Total Costs**: \$2,000,000

Funding Period: 2024-

Title: The stromal microenvironment as a co-organizer of bladder carcinogenesis and progression

**Role**: Collaborator (PI: Chan C, Theodorescu D) **Funding Source**: National Institutes of Health

Funding Period: 2025-

Title: Large animal model for squamous cell carcinomas of the skin and oral cavity

**Role**: Co-I (PI: Samkoe K, LeBoeuf M) **Funding Source**: DCC Developmental Funds

**Directs**: \$61,000 **Total Costs**: \$61,000

#### PENDING GRANTS

**Funding Period**: 2022

Title: Opening DOORS to Low-Cost Library Synthesis for CRISPR Off-Target Screening

Role: PI

Funding Source: Neukom Institute

**Directs**: \$40,000 **Total Costs**: \$40,000

Funding Period: 2022

Title: Deep Learning Histomorphological Choriocarcinoma Triage System (American Cancer Society)

Role: PI

**Funding Source**: American Cancer Society

**Directs**: \$30,000 **Total Costs**: \$30,000

**Funding Period**: 2022

Title: Development of a crowd peer review platform for transdisciplinary computational research

Role: Co-PI (PI: Bobak C)

Funding Source: Neukom Institute

**Directs**: \$40,000 **Total Costs**: \$40,000

Funding Period: 2021

Title: Advancing Clinical Translational Science through Validation of Emerging Diagnostic Artificial Intelligence

Technologies **Role**: PI

Funding Source: NIGMS Directs: \$1,250,000 Total Costs: \$1,250,000

**Funding Period**: 2022

Title: Machine Learning, NLP, Suicide Prevention

**Role**: Co-I (Levis M)

Funding Source: Veteran Affairs

**Directs**: \$18,000 **Total Costs**: \$18,000

**Funding Period**: 2022

Title: R03 Evaluating choriocarcinoma risk factors in first trimester miscarriages using quantitative deep learning

histological assessments of abnormal villous morphology

Role: PI

Funding Source: National Institutes of Health

**Directs**: \$50,000 **Total Costs**: \$50,000

**Funding Period**: 2022

Title: R25 SEPA Emerging Diagnostic and Investigative Technologies (EDIT) AI: a virtual summer program for

underserved high school students exploring artificial intelligence applications in medicine

Role: PI

Funding Source: NIGMS Directs: \$1,250,000 Total Costs: \$1,800,000

**Funding Period**: 2022

Title: Impact of Phenols on Healthy Placental Growth

Role: Site-PI (PI: Romano)

Funding Source: National Institutes of Health

**Directs**: \$4,000,000 **Total Costs**: \$4,000,000

**Funding Period**: 2023

Title: Characterizing microbiomic and transcriptomic profiles in hidradenitis Suppurativa

Role: Co-I (PI: Hayden M)

Funding Source: Hitchcock Foundation

**Directs:** \$100,000

**Total Costs**: \$100,000

Funding Period: 2023-

Title: R21 Cell Type Metals, Spatial Transcriptomics Placenta

Role: PI

Funding Source: National Institutes of Health

**Directs**: \$275,000 **Total Costs**: \$500,000

**Funding Period**: 2023

Title: Deep Learning Placenta Histopathology & Cardiometabolic Health

Role: PI

Funding Source: National Institutes of Health

**Directs**: \$275,000 **Total Costs**: \$500,000

**Funding Period**: 2023

Title: R21 Confidence Intervals for High Dimensional Imaging and Network Visualization in Health Science

**Role**: Co-PI/Site-PI (PI: Tosteson T)

Funding Source: National Institutes of Health

**Directs**: \$275,000 **Total Costs**: \$500,000

**Funding Period**: 2023

Title: R01 Modifying immunohistochemical protocols for multiplexed imaging of inorganic elements and metal

Role: Site-PI (PI: Jackson B)

Funding Source: National Cancer Institute

**Directs**: \$4,000,000 **Total Costs**: \$4,000,000

**Funding Period**: 2023

Title: P30 Administrative Supplement: Integrating Genomic, Medical Imaging, and Electronic Health Record data using

Multimodal Federated Learning

**Role**: Site-PI (PI: Lu, Y)

Funding Source: National Cancer Institute

**Directs**: \$300,000 **Total Costs**: \$300,000

**Funding Period**: 2023

Title: R01 Multicenter Validation for a Deep Learning Approach for Enhanced Urine Cytological Assessment and Rapid

Bladder Cancer Screening

Role: PI

Funding Source: National Cancer Institute

**Directs**: \$2,600,000 **Total Costs**: \$3,400,000

**Funding Period**: 2023

Title: R01 Predicting colon cancer recurrence through spatial molecular characterization of the tumor immune

microenvironment

Role: PI

Funding Source: National Institutes of Health

**Directs**: \$3,500,000 **Total Costs**: \$4,500,000 **Funding Period**: 2024

Title: R01 Integrating High-Resolution Elemental Mapping with Spatial Transcriptomics to Analyze Metal-Based

Pathways in Tumor Growth and Spread

Role: PI

Funding Source: National Institutes of Health

**Directs**: \$3,500,000 **Total Costs**: \$4,500,000

**Funding Period**: 2024

Title: R21 Human Condylar Physicochemical Properties and Temporomandibular Pathobiomechanics

Role: Site-PI (PI: Ho S)

Funding Source: National Institutes of Health

**Directs**: \$270,000 **Total Costs**: \$450,000

**Funding Period**: 2023

Title: Real-Time Intra-fractional Dose Tracking for Magnetic Resonance Imaging-Guided Radiation Therapy Using Deep

Learning Techniques

Role: Co-PI (Co-PI: Yan Y)

Funding Source: DCC Developmental Funds

**Directs**: \$60,000 **Total Costs**: \$60,000

**Funding Period**: 2023

Title: U01 ALTRA: Atlas of Lymphoma in TRAnsformation

**Role**: Co-I (PI: Merchant A)

Funding Source: National Institutes of Health, NCI Human Tumor Atlas Network

**Directs**: \$4,000,000 **Total Costs**: \$6,680,000

**Funding Period**: 2024

Title: A Super Resolution Diffusion Network Based on Single-Shot EPI-Based DWI Sequence with Geometric Distortion

Correction for Pancreatic Cancer

Role: Co-PI (PI: Yan Y)

Funding Source: RSNA: Radiological Society of North America

**Directs**: \$200,000 **Total Costs**: \$200,000

Funding Period: 2024-

Title: Histopathological Detection of Melanoma with Artificial Intelligence

Role: Co-I (PI: Shah P)

Funding Source: Melanoma Research Foundation

**Directs**: \$100,000 **Total Costs**: \$100,000

Funding Period: 2024-2029

Title: Rapid deep and peripheral en face margin assessment in large solid tumors using paired-agent imaging

**Role**: Site-PI (PI: Samkoe K)

Funding Source: National Institutes of Health

**Directs**: \$4,000,000 **Total Costs**: \$4,000,000

Funding Period: 2024-2029

Title: Functional Competence of a Dentoalveolar Fibrous Joint in Vertebrates

**Role**: Site-PI (PI: Ho S)

Funding Source: National Institutes of Health

**Directs**: \$4,000,000 **Total Costs**: \$4,000,000

Funding Period: 2024-2029

Title: P01- Signaling and Metabolism-based Intervention Strategies Against Resistant TNBC Brain and Lung Metastases;

Pathology Core

**Role**: Co-I (PI: Turkson J, Core-PI: Merchant A) **Funding Source**: National Institutes of Health

**Directs**: \$6,000,000 **Total Costs**: \$6,000,000

Funding Period: 2024-

Title: Exploring the Clinical Utility of Nanopore Sequencing in Characterizing Carcinomas of Unknown Primary Site

Role: Co-I (PI: Shah P)

Funding Source: American Cancer Society

**Directs**: \$50,000 **Total Costs**: \$50,000

Funding Period: 2024-2027

Title: Building a global metallome for developing new diagnostic and therapeutic strategies in breast cancer.

**Role**: Co-PI (MPI: Vahdat L) **Funding Source**: Mark Foundation

**Directs**: \$3,000,000 **Total Costs**: \$3,000,000

Funding Period: 2024-2027

Title: Identifying motor neuron disease pathways associated with metal toxicities and imbalances in ALS patients.

**Role**: Co-PI (MPI: Stommel E) **Funding Source**: Target ALS

**Directs**: \$1,300,000 **Total Costs**: \$1,300,000

Funding Period: 2024-

Title: Learners to LeAders in Urology, Nephrology, and non-Cancer Hematology (LAUNCH) Training Program.

**Role**: Mentor (PI: Sattari S) **Funding Source**: UCSF

Funding Period: 2024-

Title: Human Condylar Physicochemical Properties and Temporomandibular Pathobiomechanics

Role: Co-I (MPI: Ho S, Larson P)

Funding Source: National Institutes of Health R21

**Directs**: \$275,000 **Total Costs**: \$450,000

Funding Period: 2024-

Title: Re-Examining Cellular Signatures of Tumor Progression at Scale through Single-Cell Spatial Transcriptomics

Inference from Histology

Role: PI

Funding Source: Cedars Cancer Prevention and Control

**Directs**: \$50,000 **Total Costs**: \$50,000

Funding Period: 2024-

Title: Avenues for protein carbamylation prevention and therapy

**Role**: Co-I (MPI: Berg A, Sahir K)

Funding Source: National Institutes of Health

**Directs**: \$4,000,000 **Total Costs**: \$6,000,000

Funding Period: 2025-

Title: Spatial Transcriptomics of Epithelial Ovarian Cancer and Association

with Germline Genotype and Clinical Outcomes

**Role**: Co-I (PI: Pharoah P)

Funding Source: Department of Defense

**Directs**: \$1,200,00 **Total Costs**: \$1,200,00

Funding Period: 2025-

Title: Spatial Transcriptomics of Epithelial Ovarian Cancer and Association

with Germline Genotype and Clinical Outcomes

**Role**: Co-I (PI: Pharoah P)

Funding Source: National Institutes of Health

**Directs**: \$3,000,000 **Total Costs**: \$4,000,000

**Funding Period**: 2025-

Title: Spatial Transcriptomic Histologic Twins

Role: PI

Funding Source: Cedars Cancer Center

**Directs**: \$100,000 **Total Costs**: \$100,000

Funding Period: 2025-

Title: KL1: Senescent Cells Effects in Sepsis

Role: Mentor (PI: Langhi Prata)

Funding Source: National Institute of Health

**Directs**: \$2,000,000 **Total Costs**: \$2,000,000

Funding Period: 2025-

Title: DP5: Getting by with a little help from my friends: deciphering the role of clonal hematopoiesis in non-small cell

lung cancer

**Role:** Mentor (PI: Lownik J)

Funding Source: National Institute of Health

**Directs**: \$2,000,000 **Total Costs**: \$2,000,000

Funding Period: 2025-

Title: Multimodal Imaging and Pathomics for Precision Prostate Cancer Prognosis

**Role:** Co-I (PI: Omar M)

Funding Source: National Institute of Health

**Directs**: \$3,000,000 **Total Costs**: \$4,000,000

Funding Period: 2025-

Title: Radiogenomics to Improve Bladder Cancer Stage

Role: Co-I (PI: Furuya H)

Funding Source: National Institute of Health

**Directs**: \$3,000,000 **Total Costs**: \$4,000,000

Funding Period: 2025-

Title: R25 Biomed AI-Campus: An Innovative Program to Enhance Biomedical Research Training in AI

**Role:** Co-I (PI: Huang X)

Funding Source: National Institute of Health

**Directs**: \$3,000,000 **Total Costs**: \$4,000,000

**Funding Period**: 2025-

Title: Mitochondria as Mediators of Risk and Resiliency in the Developmental Origins of Metabolic Disease

**Role:** Site-PI (PI: Breton C)

Funding Source: National Institute of Health

**Directs**: \$3,000,000 **Total Costs**: \$4,000,000

### **PAST GRANTS**

**Funding Period**: 2016

Title: Online Mental Health Education at UC Berkeley

Role: PI

Funding Source: UC Berkeley

**Directs**: \$30,000 **Total Costs**: \$30,000

Funding Period: 2019

Title: Burroughs Wellcome Fund, Big Data Life Sciences Fellowship

Role: PI

Funding Source: Burroughs Wellcome Fund

**Directs**: \$60,000 **Total Costs**: \$60,000

**Funding Period**: 2020

Title: I-Corps Business Development

Role: PI

Funding Source: Dartmouth Innovations Accelerator

**Directs**: \$3,000 **Total Costs**: \$3,000

Funding Period: 2020

Title: COBRE CQB Paper Travel Award

Role: PI

Funding Source: Center for Quantitative Biology

**Directs**: \$2,000 **Total Costs**: \$2,000

Funding Period: 2021

Title: Dartmouth Entrepreneurs Startup Competition Finalist

Role: PI

Funding Source: Dartmouth Technology Transfer Office

**Directs**: \$5,000 **Total Costs**: \$5,000

Funding Period: 2020-2022

Title: Digital Spatial Profiling of Colorectal Tumors for Signatures of Metastasis

Role: PI

Funding Source: DH Pathology Internal Research Grant

**Directs**: \$40,000 **Total Costs**: \$40,000

Funding Period: 2020-2022

Title: Dartmouth Hitchcock ORO Capital Investment, QDP-Alpha

Role: Co-PI (Co-PI: Vaickus L)

Funding Source: Dartmouth Hitchcock ORO Capital Investment Fund

**Directs**: \$160,000 **Total Costs**: \$160,000

Funding Period: 2020 Title: Virtual Flow Cytometry Role: Co-I (PI: Sriharan A)

Funding Source: Neukom Institute CompX

**Directs**: \$40,000 **Total Costs**: \$40,000

**Funding Period**: 2020

**Title**: Virtual Laboratory for Students **Role**: Co-PI (Co-PI: Vaickus L)

Funding Source: Neukom Institute CompX

**Directs**: \$25,000 **Total Costs**: \$25,000

**Funding Period**: 2020

Title: Quantitative Biomedical Sciences, TA Fellowship

Role: PI

Funding Source: Geisel School of Medicine

Directs: \$5,000 Total Costs: \$5,000

**Funding Period**: 2021

Title: Single Cell Genomics Core Visium Pilot Funds

Role: PI

Funding Source: Center for Quantitative Biology

**Directs**: \$10,000 **Total Costs**: \$10,000

**Funding Period**: 2022

Title: ELLIS Travel Award, EDIT students Ram and Ramya Reddy

Role: PI/Mentor

Funding Source: ELLIS Unit Amsterdam

Directs: \$5,000 Total Costs: \$5,000

Funding Period: 2021-2022

Title: IDeA States Pediatric Clinical Trials Biostatistics Consulting Subaward

Role: Co-I (PI: Komal Satti)

Funding Source: IDeA States Pediatric Clinical Trials

Directs: \$5,000 Total Costs: \$5,000

Funding Period: 2020-2022

Title: Dartmouth-Hitchcock Department of Psychiatry, Tucker Award (directs)

Role: Co-I (PI: Levis M)

Funding Source: Veteran Affairs

**Directs**: \$24,000 **Total Costs**: \$24,000

Funding Period: 2022-2024

Title: Conflict Analysis VA Web Intervention: A Whole Health Resource for Rural Veterans Subaward

Role: Site-PI (PI: Levis M)
Funding Source: Veteran Affairs

**Directs**: \$30,000 **Total Costs**: \$30,000

**Funding Period**: 2022

Title: How Obesity Influences the Immune Repertoire in Children. A Pilot Study

**Role**: Co-I (PI: Pilot, Komal Satti) **Funding Source**: Hitchcock Foundation

**Directs**: \$40,000 **Total Costs**: \$40,000

Funding Period: 2021-2022

Title: Sun Damage Reversal Therapies (COBRE Pilot, P20GM104416)

Role: PI, Project Leader

Funding Source: National Institutes of Health

**Directs**: \$64,000 **Total Costs**: \$80,000

Funding Period: 2021-2023

Title: Richard Baughman Scholar Award

Role: PI

Funding Source: Philanthropy

**Directs**: \$300,000 **Total Costs**: \$300,000

Funding Period: 2022-2023

Title: NIGMS P20GM130454 Project Leader: Predicting colon cancer metastasis through spatial molecular

characterization of the tumor immune microenvironment

Role: PI, Project Leader Funding Source: NIGMS Directs: \$1,250,000 Total Costs: \$1,250,000

**Funding Period**: 2021- 2023

Title: Prouty Grant CRISPR Targeting of Merkel Cell Polyomavirus

Role: Co-PI (Co-PI: Matthew Hayden)

Funding Source: Dartmouth Cancer Center Development Funds

**Directs**: \$50,000 **Total Costs**: \$50,000

Funding Period: 2020-2023

Title: Prouty Grant Validation of In-Vivo Imaging for Intraoperative Margin Assessment

**Role**: Co-PI (Co-PI: LeBeouf M)

Funding Source: Dartmouth Cancer Center Development Funds

**Directs**: \$50,000 **Total Costs**: \$50,000

Funding Period: 2022-2025

**Title**: Pathology Advanced Computational Environment

Role: Co-PI (Co-PI: Louis Vaickus)

Funding Source: Dartmouth Hitchcock ORO Capital Investment Fund

**Directs**: \$250,000 **Total Costs**: \$250,000

Funding Period: 2021-2023

**Title**: Burbank Study **Role**: Levy J (Mentor)

Funding Period: 2022-2024

Title: Student Digital Pathology Laboratory 2.0

Role: Co-PI (Co-PI: Louis Vaickus) Funding Source: Neukom Institute

**Directs**: \$18,000 **Total Costs**: \$18,000

Funding Period: 2022-2024

Title: Stephen Marsh Tenney, M.D., Medical Student Fellowship Award

Role: Mentor

Funding Source: Geisel School of Medicine

**Directs**: \$30,000 **Total Costs**: \$30,000

**Funding Period**: 2023

Title: Phase IIa interim analysis of the effects of L-serine in ALS

Role: PI

Funding Source: Dartmouth Health Clinical Trials Office

**Directs**: \$10,000 **Total Costs**: \$10,000

**Funding Period**: 2023

Title: Phase IIa final analysis of the effects of L-serine in ALS

Role: PI

Funding Source: Dartmouth Health Clinical Trials Office

**Directs**: \$10,000 **Total Costs**: \$10,000

Funding Period: 2023-

Title: R25CA250956 POWERED Mentor Support, Award

**Role**: Mentor/Co-I (PI: Steve Fiering)

**Funding Source**: National Institutes of Health

Directs: \$5,000 Total Costs: \$5,000 Funding Period: 2023-

Title: 5P30CA023108 DCC CRTEC Travel Funding, Zarif Azher

Role: PI/Mentor

Funding Source: Dartmouth Cancer Center / National Institutes of Health

Directs: \$1,300 Total Costs: \$1,300

Funding Period: 2024-

Title: 5P30CA023108 DCC CRTEC Travel Funding, Aruesha Srivastava

Role: PI/Mentor

Funding Source: Dartmouth Cancer Center / National Institutes of Health

**Directs**: \$1,000 **Total Costs**: \$1,000

Funding Period: 2024-

Title: Dept. Pathology Travel Funding, Leah Zhang

**Role**: Mentor

Funding Source: Dartmouth Health Dept. Pathology

Directs: \$1,500 Total Costs: \$1,500

Funding Period: 2023-

Title: PSB Travel Awards: Gokul Srinivasan, Zarif Azher

Role: Mentor

Funding Source: Pacific Symposium Biocomputing

**Directs**: \$3,000 **Total Costs**: \$3,000

**Funding Period**: 2024

Title: Regeneron STS Top 40: Sophie Chen

Role: Mentor

Funding Source: Regeneron

**Directs**: \$25,000 **Total Costs**: \$25,000

# **RESEARCH FOCUS AND INTERESTS:**

At Cedars-Sinai Medical Center, as the Director of Digital Pathology Research, I am spearheading the innovation of user-centric digital pathology technologies, integrating genomics, imaging, and AI into clinical workflows. Concurrently, my team delves into the intricacies of spatial molecular heterogeneity within tumors, using advanced spatial omics and AI—other breakthroughs include advances in AI-assisted surgery and bladder cancer detection.

## Technical and Research skills:

Python • R • Shell • Supercomputer • Machine Learning • Dataviz • PyTorch • NLP

 $Sklearn \bullet Plotly \bullet Aircraft \ Pilot \bullet \ Dask \bullet Matlab \bullet \ Javascript \bullet C++ \bullet SQL \bullet Spatial \ Transcriptomics$ 

Deep Learning • Docker • AWS • LaTEX • Nextflow • CWL Pipelines • Stan • Epidemiology

Comp. Vision • Sensibly Constructing Statistical Golems • Graph Neural Networks

## **INVITED LECTURES AND PRESENTATIONS:**

#### **International Presentations**

1. Preliminary Evaluation of Generative Image Translation Technologies for Histopathology Biomedical Engineering Systems and Technologies (Biostec) 2020 C2C Workshop Valletta, Malta 2020

- 2. Federated Data Networks SIGAPP ACM 2022 Virtual Conference 2022
- 3. Multimodal Learning SIGAPP ACM 2022 Virtual Conference 2022
- 4. Graph Neural Networks for Lymphocyte Prediction GeoMedIA Workshop, MICCAI Amsterdam 2022

#### **National Presentations**

- 1. Snapshots of genome evolution and population dynamics in the allopolyploid grass Brachypodium hybridum American Society of Plant Biologists (ASPB) Honolulu, HI 2017
- 2. PathFlowAI: Scalable Digital Pathology Pacific Symposium Biocomputing Kona, HI 2020
- 3. Topological Feature Extraction for Whole Slide Images with Graph Neural Networks Pacific Symposium Biocomputing Kona, HI 2021
- 4. Digital spatial profiling identifies novel biomarkers for locally invasive tumors Association for Molecular Pathology Virtual 2021
- 5. Mixed effects machine learning on spatially localized immuno-oncology markers for colon metastasis prediction Pacific Symposium Biocomputing Kona, HI 2022
- 6. Artificial Intelligence for Prediction of Spatial Transcriptomics from Whole Slide Images, Enhanced with CytAssist 10x Genomics User Group Meeting Boston, MA 2023
- 7. Artificial Intelligence for Prediction of Spatial Transcriptomics from Whole Slide Images, Enhanced with CytAssist Boston Bioinformatics Society Boston, MA 2023
- 8. Digital Pathology and Artificial Intelligence for Spatial Molecular Inference and Multimodal Integration, Spatial Biology Symposium, Los Angeles, CA 2024
- 9. AI-Powered Tool for Rapid & Reliable Bladder Cancer Screening and Surveillance: Multicenter Validation Efforts, AACR Bladder Cancer, Charlotte, NC 2024
- 10. FUTURE OF ARTIFICIAL INTELLIGENCE IN BLADDER CANCER RESEARCH AND PATIENT MANAGEMENT, Session Chair Presentation, AACR Bladder Cancer, Charlotte, NC 2024
- 11. From Clinical Decision Support to Spatial Biomarker Development, Explore the Role of Translational AI Research for Digital Pathology @ Cedars Sinai, 10th Digital Pathology & AI Congress, San Diego, CA 2024
- 12. Leveraging Digital Pathology, AI, and Spatial Genomics to Study Tumor Progression. U54 National Meeting, Seattle, WA 2024
- 13. Multi-Center Preliminary Validation of Deep Learning in Urine Cytology Across Diverse Clinical Settings for Rapid Bladder Cancer Screening, Pathology Informatics Summit, Ann Arbor, MI 2024
- 14. AI-Powered Tool for Rapid & Reliable Bladder Cancer Screening and Surveillance: Multicenter Validation Efforts, Bladder Cancer Advocacy Network Think Tank, San Diego, CA 2024
- 15. Digital Pathology for Spatial Molecular Inference from Histology and Preliminary Metals-Based Pathway Analysis, Translational and Basic Science Research in Early Lesions (TBEL) Research Consortia, Houston, TX 2024
- 16. Precision Computational Oncology through Spatial Transcriptomics Inference and Multimodal Analysis, NCI Computational Oncology Working Group, Bethesda, MD 2025

# **Regional and Extramural Local Presentations**

- 1. Where are Your Bug's Genes and What do They Do? Workflow Automation and Machine Learning for Gene Annotation and Function. Zymergen Emeryville, CA & Seattle, WA 2018
- 2. Machine Learning Analytics of Pancancer Methylation Microarray and RNA-sequencing Profiles at Susceptibility Loci. Celebration of Biomedical Research at Dartmouth (CBRaD) Hanover, NH 2019
- 3. MethylNet: A Modular Deep Learning Approach to DNA Methylation Prediction Quantitative Biomedical Sciences: (QBS) Retreat and NCCC Retreat Hanover, NH 2019
- 4. PathFlowAI: Scalable Digital Pathology Dartmouth-Hitchcock Retreat Hanover, NH 2020
- 5. Improving Data Representation Software for DNAm and Histopathology Research in Progress, QBS Hanover, NH 2020

- 6. Mortality Prediction from Satellite Imagery Burroughs Wellcome Fellowship Hanover, NH 2020
- 7. Automating the Paris System Burroughs Wellcome Fellowship Hanover, NH 2020
- 8. Opportunities for Machine Learning Research in Pathology and Dermatology Department of Dermatology Hanover, NH 2021
- 9. Introduction to Neural Networks, Guest Lecture for QBS Class QBS Hanover, NH 2021
- Application of Hierarchical Bayesian Methods for Medical Artificial Intelligence, Guest Lecture for QBS Class QBS Hanover, NH 2021
- 11. Uncertainty in Disease Staging, Research in Progress QBS Hanover, NH 2021
- 12. Emerging Diagnostic and Investigative Technologies: Validation of Deep Learning Technologies for DNA Methylation and Histopathology Thesis Seminar Talk Hanover, NH 2021
- 13. Emerging Machine Learning Methods in Digital Pathology EDIT Seminar Talk Hanover, NH 2021
- 14. Opportunities for Machine Learning Research in Pathology QBS Hanover, NH 2021
- 15. R Software Packaging, Guest Lecture for QBS Class QBS Hanover, NH 2021
- 16. Research Overview, Department of Epidemiology Hanover, NH 2021
- 17. Mixed effects machine learning on spatially localized immuno-oncology markers for colon metastasis prediction NCCC Retreat Lebanon, NH 2021
- 18. Introduction to Machine Learning and Research Opportunities in Pathology and Dermatology Geisel School of Medicine Medical Student AI Interest Group Lebanon, NH 2022
- Rapid 100% Margin Assessment through AI in the Surgical Pathology Setting Melanoma Retreat DHMC, Lebanon, NH 2022
- 20. EDIT Machine Learning Internship Program Dermatology Research Night DHMC, Lebanon, NH 2022
- 21. Introduction to Neural Networks, Guest Lecture for QBS177 Class QBS Hanover, NH 2022
- 22. Advancing Clinical Translational Sciences through Validation of Emerging Artificial Intelligence Technologies Cancer Population Sciences Hanover, NH 2022
- 23. Medical AI Opportunities Oakland Tech Oakland, CA 2022
- 24. Artificial Intelligence @ Dartmouth Health, Guest Lecture for ENGS 56 Thayer School of Engineering Hanover, NH 2022
- 25. Virtual QBS Master's Capstone Conference QBS Hanover, NH 2022
- 26. Virtual EDIT AI Conference DHMC Hanover, NH 2022
- 27. EDIT: Advancing Clinical Translational Sciences through Validation of Emerging AI Technologies QBS Hanover, NH 2022
- 28. Introduction to Neural Networks, Guest Lecture for QBS177 Class QBS Hanover, NH 2023
- Advancing Clinical Translational Sciences through Validation of Emerging Artificial Intelligence Technologies Cancer Epidemiology Special Seminar Hanover, NH 2023
- 30. Predicting colon cancer metastasis through spatial molecular characterization of the tumor immune microenvironment Cancer for Quantitative Biology Research in Progress Hanover, NH 2023
- 31. Predicting colon cancer metastasis through spatial molecular characterization of the tumor immune microenvironment Cancer for Quantitative Biology External Advisory Committee Meeting Hanover, NH 2023
- 32. Artificial Intelligence @ Dartmouth Health, Guest Lecture for ENGS 56 Thayer School of Engineering Hanover, NH 2023
- 33. Virtual EDIT AI Conference DHMC Hanover, NH 2023
- 34. Dartmouth Cancer Scholar's Program, Applications of Artificial Intelligence for Digital Pathology, Hanover, NH 2023
- 35. Characterizing Transcriptomic Shifts in Mesenchymal Stem Cells of Glioblastoma Patient-Derived Cell Lines Post-Radiation, Dartmouth Cancer Center, Hanover, NH 2024
- 36. AI Decision Support Tools in Digital Pathology: The Path to Clinical Implementation, Cal State University Dominguez Hills AI Campus, Los Angeles, NH, June 2024

- 37. Intro to Digital Pathology & AI @ Cedars, Guest Lecture for ENGS 56 Thayer School of Engineering Hanover, NH
- 38. AI Applications for Digital Pathology, Cal State University Dominguez Hills AI Campus, Los Angeles, NH, Dec

#### **Cedars-Sinai Presentations**

- 1. Advancing Clinical Translational Sciences through Validation of Emerging Artificial Intelligence Technologies Cedars Sinai Medical Center, Los Angeles, CA 2023
- 2. Exploring Digital Pathology: Emerging Applications from Cytopathology to Spatial Molecular Profiling, Pathology Special Seminar, Cedars Sinai Medical Center, Los Angeles, CA 2023
- 3. Spatial Profiling Applications for Digital Pathology, including Artificial Intelligence and Multimodal Analysis, Spatial Profiling Seminar, Cedars Sinai Medical Center, Los Angeles, CA 2023
- 4. Advancing Clinical Translational Sciences: Digital Pathology, Artificial Intelligence, and Training Initiatives, Cancer Prevention and Control, Cedars Cancer Center, Cedars Sinai Medical Center, Los Angeles, CA 2024
- 5. Digital Pathology & Biostatistical Research Support, Pathology, Cedars Sinai Medical Center, Los Angeles, CA 2024
- 6. Introduction to the Levy Lab for Digital Pathology Research, Computational Biomedicine, Cedars Sinai Medical Center, Los Angeles, CA 2024
- 7. Emerging Translational Digital Pathology Research: Multicenter Validation of AI for Urine Cytopathology and Spatial Genomics, Urology, Cedars Sinai Medical Center, Los Angeles, CA 2024
- 8. From Clinical Decision Support to Spatial Biomarker Development: Explore the Role of Translational AI Research for Digital Pathology @ Cedars Sinai, Cedars Sinai Medical Center, Los Angeles, CA 2024
- 9. Advancing Clinical Translational Sciences: Digital Pathology, Artificial Intelligence, and Training Initiatives, Cedars Cancer Prevention and Control, Los Angeles, CA 2024
- 10. Digital Pathology & Biostatistical Research Support, Cedars Pathology, Los Angeles, CA 2024
- 11. Cedars Sinai AI Campus Showcase Opening Remarks, Cedars Sinai, Los Angeles, CA 2024
- 12. AI for Digital Pathology: Emerging Translational Applications in Cancer Screening, Treatment, and Spatial Biology, Cedars Sinai Cancer Center Retreat, Los Angeles, CA 2024

50 hr/yr

- 13. Digital Pathology Reflections, Cedars Pathology Informatics Steering Committee, Los Angeles, CA 2024
- 14. Precision Computational Oncology through Spatial Transcriptomics Inference and Multimodal Analysis, Spatial Biology Seminar Series, Los Angeles, CA 2025

#### **TEACHING ACTIVITIES:**

#### **Graduate Education:**

**Courses:** 

2022

# **Professional Level / Online:**

Applied Machine Learning (QBS)

Graduate Level:				
2025	Planned: Cedars AI for Biomedical Imaging Informatics	150 hr/yr		
2022	Participation in Scientific Research (QBS 195)	150 hr/yr		
2021-2022	Independent Study (QBS 195) (x6 students)	150 hr/yr		
2022	Master's Capstone Experience (QBS 185)	150 hr/yr		
2021	Faculty Seminar Student Projects (QBS 110.5)	150 hr/yr		
2023	QBS Journal Club- Machine Learning	40 hr/yr		
2023	QBS Journal Club- AI and Placental Histology	40 hr/yr		
2023	QBS Journal Club- Spatial transcriptomics technologies	40 hr/yr		
2023	Master's Capstone Experience (QBS 185)	150 hr/yr		

2025 2024 2025 2025	Planned: Cedars AI for Biomedical Imaging Informatics CSU Dominguez Hills AI Campus, Graduate Capstone Projects CSC-590/599, CSUDH AI Campus Undergraduate Capstone QBS Journal Club—Spatial transcriptomics technologies, # 2	150 hr/yr 50 hr/yr 50 hr/yr 40 hr/yr			
Lectures: 2020 2021 2021 2021-2022 2021 2022 2023 2023	Introduction to Python (QBS 146) Introduction to Neural Networks (QBS 177) Application of Hierarchical Bayesian Methods to Machine Learning (QBS 122) Machine Learning in Pathology (QBS 110) R Software Packaging (QBS 181) Introduction to Neural Networks (QBS 177) Artificial Intelligence @ Dartmouth Health (ENGS 56) Introduction to Neural Networks (QBS 177) Artificial Intelligence @ Dartmouth Health (ENGS 56)	2 hr/yr 2 hr/yr 3 hr/yr 3 hr/yr 3 hr/yr 2 hr/yr 2 hr/yr 2 hr/yr 2 hr/yr			
Supervised Te Graduate Lev					
2019	Foundations of Biostatistics (QBS 120)	150 hr/yr			
2020-2021	Statistical Learning for Big Data (QBS 177)	150 hr/yr			
2021	Hierarchical Bayesian Modeling (QBS 122)	150 hr/yr			
Graduate Workshop:					
2020	Fundamentals of Bioinformatics and High-Performance Computing	3 hr/yr			
Undergraduate Medical Education: Medical Student Enrichment Elective:					
2023	Introduction to Data Science and Applications	50 hr/yr			
2023	Digital Health Scholars Program – Medical Curriculum Design	40 hr/yr			
	lical Education:				
Pathology Res	Dartmouth Medical Informatics & AI	20 hr/yr			
2023	Dartmouth Medical Informatics & AI	20 hr/yr			
2024	Cedars Pathology Residents— AI	5 hr/yr			
Multidisciplinary / Interdepartmental:					
2021	Mentorship Ethics Discussion Panelist	3 hr/yr			
Relevant cours					
Hierarchical, B	ayesian Modeling, Social Network Analysis, Epidemiology, Biostatistics,				

Hierarchical, Bayesian Modeling, Social Network Analysis, Epidemiology, Biostatistics, Bioinformatics, Linear Algebra, Diff. Eq., Multivar. Calc., C++, Python, Statistics, Machine Learning, Health Promotion, Policy, Management, Quantum Computing and Stat Mechanics

# **PATENTS**

# **Awarded**

7/26/2023 SYSTEM AND METHOD FOR RAPID AND ACCURATE HISTOLOGIC ANALYSIS OF TUMOR MARGINS USING MACHINE LEARNING

File No. 076/0055

Inventors: Matthew LeBoeuf, Louis Vaickus, Joshua Levy

# 2/14/2024 SYSTEM AND METHOD FOR AUTOMATION OF SURGICAL PATHOLOGY PROCESSES USING ARTIFICIAL INTELLIGENCE

File No. 076/0061R

Inventors: Matthew LeBoeuf, Louis Vaickus, Joshua Levy

# 5/1/2024 SEMI-AUTONOMOUS SYSTEM FOR ASSESSMENT OF URINE CYTOLOGY

File No. 62/757,225

Inventors: Xiaoying Liu, Louis Vaickus, Joshua Levy

# **Provisional/Pending**

# 11/22/2022 SYSTEM AND METHOD FOR DETECTING CONDITIONS FROM ANORECTAL MANOMETRY DATA USING DEEP LEARNING

File No. 076/0062R

Inventors: Eric Dinesh Shah and Joshua J. Levy

#### **MEDIA**

Interviews:

- 2023 Medical AI Curricular Design. National Public Radio Whyy Interview.
- 2023 Interactive Dashboard for Detecting Instances of Underbilling. College of American Pathologists TODAY Interview.
- 2023 Medical applications of AI technologies in Radiology and Pathology. Lancet Oncology.
- 2023 Reviewer of the Month. Journal of Medical Artificial Intelligence.

# **BIBLIOGRAPHY/PUBLICATIONS:**

# Research Papers – Peer-Reviewed (Published & In Press) First Author

- 1. **Levy J**, Titus A, Salas L, Christensen B. PyMethylProcess convenient high-throughput preprocessing workflow for DNA methylation data. Bioinformatics. 2019.
- 2. **Co-first:** \*Gordon SP, \* **Levy J**, Vogel JP. PolyCRACKER, a robust method for the unsupervised partitioning of polyploid subgenomes by signatures of repetitive DNA evolution. BMC Genomics. 2019.
- 3. Levy J, Titus AJ, Petersen CL, Chen Y, Salas LA, Christensen BC. MethylNet: An Automated and Modular Deep Learning Approach for DNA Methylation Analysis. BMC Bioinformatics. 2020.
- 4. Levy J, Salas LA, Christensen BC, Sriharan A, Vaickus LJ. PathFlowAI: A High-Throughput Workflow for Preprocessing, Deep Learning and Interpretation in Digital Pathology. Pacific Symposium on Biocomputing, 2020;25:403–14.
- 5. **Levy J**, O'Malley AJ. Don't Dismiss Logistic Regression: The Case for Sensible Extraction of Interactions in the Era of Machine Learning. BMC Medical Research Methodology. 2020.
- 6. Levy J, Jackson C, Sriharan A, Christensen B, Vaickus L. Preliminary Evaluation of the Utility of Deep Generative Histopathology Image Translation at a Mid-Sized NCI Cancer Center. Proceedings of the 13th International Joint Conference on Biomedical Engineering Systems and Technologies (BIOSTEC 2020) Volume 3: BIOINFORMATICS
- 7. **Levy J**, Haudenschild C, Barwick C, Christensen B, Vaickus L. Topological Feature Extraction of Whole Slide Images with Graph Neural Networks. Pacific Symposium on Biocomputing. 2021.
- 8. Levy J, Azizgolshani N, Andersen M, Suriawinata A, Liu X, Lisovsky M, Ren B, Bobak C, Christensen B, Vaickus L. A Large-Scale Internal Validation Study of Unsupervised Virtual Trichrome Staining Technologies on Non-alcoholic Steatohepatitis Liver Biopsies. Modern Pathology, 2021
- 9. Levy J, Chen Y, Azizgolshani N, Petersen C, Titus A, Moen E, Vaickus L, Salas L, Christensen B. Biologically Motivated Organization of DNAm Neural Networks, Inspired by Capsule Networks, NPJSBA, 2021.
- 10. Levy J, Lebeaux R, Christensen B, Tosteson T, Bryan Y. Journey across Epidemiology's Third Variables: An Anesthesiologist's Guide for Successfully Navigating Confounding, Mediation, and Effect Modification. BMJ RAPM, 2021.

- 11. Levy J, Lebeaux, R. M., Hoen, A. G., Christensen B, Vaickus L, MacKenzie T. Using Satellite Images and Deep Learning to Identify Associations Between County-Level Mortality and Residential Neighborhood Features Proximal to Schools: A Cross-Sectional Study. Frontiers in Public Health 9, 1652 (2021).
- 12. Levy J, Vaickus L. Applications of AI in Anatomic Pathology. Advances in Molecular Pathology, 2021
- 13. Levy J, Bobak C, Nasir-Moin M, Veziroglu E, Palisoul S, Barney R, Salas L, Christensen B, Tsongalis G, Vaickus L. Mixed Effects Machine Learning Models for Colon Cancer Metastasis Prediction using Spatially Localized Immuno-Oncology Markers. Pacific Symposium on Biocomputing. 2022.
- 14. Levy, J., Vattikonda, N., Haudenschild, C., Christensen, B. & Vaickus, L. Comparison of Machine Learning Algorithms for the Prediction of Current Procedural Terminology (CPT) Codes from Pathology Reports. *Journal of Pathology Informatics* (2022)
- 15. Co-first: \*Kelliher, M., \*Levy, J., \*Nerenz, R., Poore B, Johnston A, Rogers A, Stella M, Snow S, Cervinski M, Hubbard J. Comparison of Symptoms and Antibody Response Following Administration of Moderna or Pfizer SARS-CoV-2 Vaccines. *Archives of Pathology & Laboratory Medicine* (2022).
- 16. Levy, J. J. Lima J, Miller M, Freed G, O'Malley A, Emeny R. Machine Learning Approaches for Hospital Acquired Pressure Injuries: A Retrospective Study of Electronic Medical Records. Frontiers in Medical Technology 4, (2022).
- 17. Levy J, Liu X, Marotti J, Kerr D, Gutmann E, Glass R, Dodge C, Suriawinata A, Vaickus L. Uncovering Additional Predictors of Urothelial Carcinoma from Voided Urothelial Cell Clusters Through a Deep Learning Based Image Preprocessing Technique. *Cancer Cytopathology* 2022.
- 18. Levy J, Liu X, Marotti J, Kerr D, Gutmann E, Glass R, Dodge C, Vaickus L. Large-Scale Longitudinal Comparison of Urine Cytological Classification Systems Reveals Potential Early Adoption of The Paris System Criteria. *Journal of the American Society of Cytopathology* 2022.
- 19. Levy J, Navas C, Chandra J, Christensen B, Vaickus L, Curley M, Chey W, Baker J, Shah E. Video-Based Deep Learning to Detect Dyssynergic Defecation with 3D High-Definition Anorectal Manometry. *Digestive Diseases and Sciences*, 2022
- 20. Levy J, Lu Y, Montivero M, Ramwala O, McFadden J, Miles C, Diamond A, Reddy R, Reddy R, Hudson T, Azher Z, Pamal A, Gabbita S, Cronin T, Ismail A, Goel T, Jacob S, Suvarna A, Kim T, Zhang E, Reddy N, Ratna S, Zavras J, Vaickus L. Artificial Intelligence, Bioinformatics, and Pathology: Emerging Trends Part I– An Introduction to Machine Learning Technologies. *Advances in Molecular Pathology* (2023).
- 21. Levy J, Lu Y, Montivero M, Ramwala O, McFadden J, Miles C, Diamond A, Reddy R, Reddy R, Hudson T, Azher Z, Pamal A, Gabbita S, Cronin T, Ismail A, Goel T, Jacob S, Suvarna A, Kim T, Zhang E, Reddy N, Ratna S, Zavras J, Vaickus L. Artificial Intelligence, Bioinformatics, and Pathology: Emerging Trends Part II—Current Applications in Anatomic and Molecular Pathology. *Advances in Molecular Pathology (2023)*.
- 22. Levy J, Zavras J, Veziroglu E, Nasir-Moin M, Kolling F, Christensen B, Salas L, Barney R, Palisoul S, Ren B, Liu X, Kerr D, Pointer K, Tsongalis G, Vaickus L. Identification of Spatial Proteomic Signatures of Colon Tumor Metastasis using the Digital Spatial Profiler. *The American Journal of Pathology* (2023).
- 23. Levy J, Chan N, Marotti J, Rodrigues N, Ismail A, Kerr D, Gutmann E, Glass R, Dodge C, Suriawinata A, Christensen B, Liu X, Vaickus L. Examining longitudinal markers of bladder cancer recurrence through a semi-autonomous machine learning system for quantifying specimen atypia from urine cytology. *Cancer Cytopathology* (2023)
- 24. Levy J, Chan N, Marotti J, Kerr D, Gutmann E, Glass R, Dodge C, Suriawinata A, Christensen B, Liu X, Vaickus L. Large-Scale Validation Study of an Improved Semi-Autonomous Urine Cytology Assessment Tool: AutoParis-X. Cancer Cytopathology (2023)
- 25. Levy J, Davis M, Chacko R, Davis M, Fu L, Goel T, Pamal A, Nafi I, Angirekula A, Suvarna A, Vampeti R, Christensen B, Hayden M, Vaickus L, LeBoeuf M. Deep Learning-Assisted Intraoperative Assessment of Basal Cell Carcinoma Tumor Margins with Precise Histologic Tumor Mapping to Surgical Site. NPJ Precision Oncology (2023)
- 26. **Levy J,** Keluo Y. The Future of Digital Cytology and Artificial Intelligence. *Journal of the American Society of Cytopathology (2024)*
- 27. Co-first: \*Levis, M., \*Levy, J., Dimambro, M., Dufort, V. Ludmer, DJ., Shiner, B. Using natural language processing to evaluate temporal patterns in suicide risk variation among high-risk Veterans. Psychiatry Research. (2024)
- 28. Levy J. et al. Insights to aging prediction with AI based epigenetic clocks. Epigenomics (2025)

29. **Levy J** et al. Investigating the Differential Impact of Psychosocial Factors by Patient Characteristics and Demographics on Veteran Suicide Risk Through Machine Learning Extraction of Cross-Modal Interactions. Pacific Symposium on Biocomputing (2025)

#### **Senior Author**

- 30. Azher, Z. L., Vaickus, L. J., Salas, L. A., Christensen, B. C. & Levy, J. J. Development of Biologically Interpretable Multimodal Deep Learning Model for Cancer Prognosis Prediction. ACM/SIGAPP SAC 2022.
- 31. Haudenschild, C., Vaickus, L. & Levy, J. Configuring a federated network of real-world patient health data for multimodal deep learning prediction of health outcomes. ACM/SIGAPP SAC 2022.
- 32. Reddy R\*, Reddy R\*, Sharma C, Jackson C, Palisoul S, Barney R, Kolling F, Salas L, Christensen B, Brooks G, Tsongalis G, Vaickus L, **Levy J.** Graph Neural Networks Ameliorate Potential Impacts of Imprecise Large-Scale Autonomous Immunofluorescence Labeling of Immune Cells on Whole Slide Images, *Proceedings of Machine Learning Research* (2022)
- 33. Farhadi F, Barnes M, Sugito H, Sin J, Henderson E, Levy J. Applications of Artificial Intelligence in Orthopaedic Surgery. *Frontiers in Medical Technology (2022)*.
- 34. Greenburg J, Lu Y, Lu S, Kamau U, Hamilton R, Pettus J, Preum S, Vaickus L, Levy J. Development of an Interactive Web Dashboard to Facilitate the Reexamination of Pathology Reports for Instances of Underbilling of CPT Codes. *Pathology Informatics* (2022)
- 35. Fatemi M, Feng E, Sharma C, Azher Z, Goel T, Ramwala O, Palisoul S, Barney R, Perreard L, Kolling F, Salas L, Christensen B, Tsongalis G, Vaickus L, Levy J. Inferring Spatial Transcriptomics Markers from Whole Slide Images to Characterize Metastasis-Related Spatial Heterogeneity of Colorectal Tumors: A Pilot Study. *Pathology Informatics*, 2023
- 36. Ahzer Z, Suvarna A, Chen J, Zhang Z, Christensen B, Salas L, Vaickus L, **Levy J**. Assessment of Emerging Pretraining Strategies in Interpretable Multimodal Deep Learning for Cancer Prognostication. *BioData Mining*, 2023.
- 37. Ahzer Z, Fatemi M, Lu Y, Srinivasan G, Diallo A, Christensen B, Salas L, Kolling F, Perreard L, Palisoul S, Vaickus L, Levy J. Spatial Omics Driven Crossmodal Pretraining Applied to Graph-based Deep Learning for Cancer Pathology Analysis. *Pacific Symposium on Biocomputing (2023)*.
- 38. Srinivasan, G, Davis M, LeBoeuf M, Fatemi M, Azher Z, Lu Y, Diallo A, Montivero M, Kolling F, Perrard L, Salas L, Christensen B, Palisoul S, Tsongalis G, Vaickus L, Preum S, Levy J. Potential to Enhance Large Scale Molecular Assessments of Skin Photoaging through Virtual Inference of Spatial Transcriptomics from Routine Staining. *Pacific Symposium on Biocomputing (2023)*.
- 39. Co-senior: Davis M\*, Srinivasan G\*, Chacko R, Chen S, Suvarna A, Vaickus L, Torres V, Hodge S, Chen E, Preum S, Samkoe K, Christensen B, LeBoeuf M\*\*, Levy J\*\*. A deep learning algorithm to detect cutaneous squamous cell carcinoma on frozen sections in Mohs micrographic surgery: a retrospective assessment. *Experimental Dermatology (2023)*
- 40. Co-senior: Chacko R, Davis M, Levy J\*, LeBoeuf M\*. Integration of a deep learning basal cell carcinoma detection and tumor mapping algorithm into the Mohs micrographic surgery workflow: a simulated, retrospective study. *JAAD International* (2024)
- 41. Vaickus LJ, Kerr DA, Torres JMV, **Levy J**. Artificial Intelligence Applications in Cytopathology. *Surgical Pathology Clinics* (2024)
- 42. Fatemi M\*, Lu Y\*, Diallo AB, Srinivasan G, Azher ZL, Christensen BC, Salas LA, Tsongalis GJ, Palisoul SM, Perreard L, Kolling FW, Vaickus LJ, Levy J. An Initial Game-Theoretic Assessment of Enhanced Tissue Preparation and Imaging Protocols for Improved Deep Learning Inference of Spatial Transcriptomics from Tissue Morphology. *Briefings in Bioinformatics* (2024).
- 43. Vaickus L, Kerr D, Velez Torres J, Levy J. Artificial Intelligence Applications in Cytopathology: Current State of the Art. *Surgical Pathology Clinics* (2024)
- 44. Lu Y, ..., Levy J. Integrative Co-Registration of Elemental Imaging and Histopathology for Enhanced Spatial Multimodal Analysis of Tissue Sections through TRACE. Bioinformatics Advances (2025).
- **45.** Zhang L,..., **Levy J.** Charting the Evolution and Transformative Impact of The Pacific Symposium on Biocomputing Through a 30-Year Retrospective Analysis of Collaborative Networks and Themes Using Modern Computational Tools. Pacific Symposium on Biocomputing (2025)
- 46. Fatemi M\*, Lu Y\*, Azher ZL\*, Sharma C, Feng E, Diallo AB, Srinivasan G, Rosner GM, Pointer KB, Christensen BC, Salas LA, Tsongalis GJ, Palisoul SM, Perreard L, Kolling FW, Vaickus LJ, Levy J. Feasibility

- of Inferring Spatial Transcriptomics from Single-Cell Histological Patterns for Studying Colon Cancer Tumor Heterogeneity. BIOSTEC 2025.
- 47. Azher, Z. L. ..., Levy J. Mapping Three-Dimensional Tumor Heterogeneity through Deep Learning Inference of Spatial Transcriptomics from Routine Histopathology: A Proof-of-Concept Comparative Study. in Proceedings of Machine Learning Research, ML4Health 2024 Symposium (Proceedings of Machine Learning Research, Vancouver, Canada, 2024).

#### Co-Author

- 48. Copeland-Halperin L, Reategui M, Levy J, Shank N, Funderburk C, Shin J. Does the Timing of Postoperative Showering Impact Infection Rates? A Systematic Review and Meta-Analysis. JPRAS. 2020.
- 49. Gordon SP\*, Moreira BC\*, Levy J, Djamei A, Czedik-Eysenberg A, Tartaglio V, Session A, Martin J, Cartwright A, Katz A, Singan V, Goltsman E, Barry K, Dinh-Thi V, Chalhoub B, Diaz-Perez A, Sancho R, Lusinska J, Wolny E, Nibau C, Doonan J, Mur L, Plott C, Jenkins J, Hazen S, Lee S, Shu S, Goodstein D, Rokhsar D, Schmutz J, Hasterok R, Catalan P, Vogel J. Gradual polyploid genome evolution revealed by a pan-genomic analysis of Brachypodium hybridum and its diploid progenitors. Nature Comm. 2020
- 50. Brady R, Badour C, Arega E, Levy J, Adams T. The mediating effects of perceived vulnerability to disease in the relation between disgust and contamination-based OCD. J Anxiety Disord. 2021
- 51. Copeland-Halperin L, Wampler A, Doughty H, Shank N, Levy J, Rada M, Rosen J. Magnetic Resonance Imaging Screening after Silicone Implant Breast Surgery: Patient Survey of Adherence to U.S. Food and Drug Administration Recommendations. *Plastic and Reconstructive Surgery*. 2022
- 52. Glass R, Marotti J, Kerr D, **Levy J**, Vaickus L, Gutmann E, Tafe L, Motanagh S, Sorensen M, Davies L, Liu X. Using molecular testing to improve the management of thyroid nodules with indeterminate cytology: an institutional experience with review of molecular alterations. Journal of the American Society of Cytopathology (2021).
- 53. Glass, R. E., Levy, J. J., Motanagh, S. A., Vaickus L, Liu X. Atypia of undetermined significance in thyroid cytology: Nuclear atypia and architectural atypia are associated with different molecular alterations and risks of malignancy. Cancer Cytopathology 129, 966–972 (2021).
- 54. Azizgolshani, N., Petersen, C. L., Chen, Y., Levy, J.J., Salas L, Perreard L, Nguyen L, Christensen, C. DNA 5-hydroxymethylcytosine in pediatric central nervous system tumors may impact tumor classification and is a positive prognostic marker. Clinical Epigenetics (2021).
- 55. Torres V, Hodge S, Chen E, **Levy J**, Vaickus L, LeBoeuf M, Samkoe K. Rapid tumor margin analysis using paired-agent imaging to guide Mohs micrographic surgery. in *Proc. of SPIE Vol* vol. 11943 1194304–1 (2022)
- 56. Torres V, Hodge S, Chen E, Levy J, Vaickus L, LeBoeuf M, Samkoe K. Whole-Tissue Margin Evaluation for Mohs Surgery Using Paired-Agent Imaging. *Optica Biophotonics Congress: Optics in the Life Sciences (2023)*
- 57. Torres V, Hodge S, Chen E, Levy J, Vaickus L, LeBoeuf M, Samkoe K. Paired-agent imaging as a rapid en face margin screening method in Mohs micrographic surgery. *Frontiers in Oncology (2023)*
- 58. Lindqwister A, Hassanpour S, Levy J, Sin J. AI-RADS: Successes and Challenges of a Novel Artificial Intelligence Curriculum for Radiologists Across Different Delivery Formats. *Frontiers in Medical Technology* (2022).
- 59. Ondrasik R, Levy J, Khan J, Szczepiorkowski Z, Levy J, Dunbar N. Passive Order Auditing Associated with Reductions in Red Blood Cell Utilization. National Blood Shortage Experience. *Transfusion* (2022).
- 60. Levis M, Levy J, Dufort V, Gobbel G, Watts B, Shiner B. Leveraging unstructured electronic medical record notes to derive population-specific suicide risk models. *Psychiatry Research* (2022).
- 61. Levis M, Levy J, Dent KR, Dufort V, Gobbel GT, Watts BV, Shiner B. Leveraging Natural Language Processing to Improve Electronic Health Record Suicide Risk Prediction. *Journal of Clinical Psychiatry* (2022)
- 62. Levis M, Levy J, Dufort V, Russ CJ, Shiner B. Dynamic Suicide Topic Modeling: Deriving population-specific, psychosocial, and time-sensitive suicide risk variables from EHR psychotherapy notes. *Clinical Psychology & Psychotherapy* (2023)
- 63. Stewart T, Copeland-Halperin LR, Demsas F, Divakar P, Shank N, Blunt H, Levy J, Nigriny JF, Paydarfar JA. Predictors of gastrostomy tube placement in patients with head and neck cancer undergoing resection and flap-based reconstruction: systematic review and meta-analysis. *Journal of Plastic, Reconstructive & Aesthetic Surgery 2022*.
- 64. Hong J, Quon RJ, Song Y, Xie T, Levy JJ, D'Agostino E, Camp EJ, Roberts DW, Jobst BC. Functional Reorganization of the Mesial Frontal Premotor Cortex in Patients With Supplementary Motor Area Seizures. *Neurosurgery* 2022.

- 65. Copeland-Halperin L, Divakar P, Stewart T, Demsas F, Levy J, Nigriny J, Paydarfar J. Predictors of Gastrostomy Tube Placement in Head and Neck Cancer Patients at a Rural Tertiary Care Hospital. *Journal of Reconstructive Microsurgery Open 2022*.
- 66. Mindiola Romero AE, Goyette E, Tafe LJ, Green DC, Deharvengt SJ, Winnick KN, Tsongalis GJ, Baker ML, Linos K, Levy JJ, Kerr DA. Utility of Retrospective Molecular Analysis in the Diagnosis of Problematic Mesenchymal Neoplasms. *International Journal of Surgical Pathology.* 2022.
- 67. Kranyak A, Rork J, **Levy J**, Burdick T. Alopecia Areata and Thyroid Screening in Down Syndrome: Leveraging Epic Cosmos Dataset. *Journal of the American Academy of Dermatology*, 2023
- 68. Zhang Z, Lu Y, Vosoughi S, **Levy JJ**, Christensen BC, Salas LA. HiTAIC: hierarchical tumor artificial intelligence classifier traces tissue of origin and tumor type in primary and metastasized tumors using DNA methylation. *Nucleic Acids Research Cancer*, 2023.
- 69. Bobak C, Zhao Y, Levy JJ, O'Malley AJ GRANDPA: GeneRAtive Networks using Degree and Property Augmentation for the simulation and generation of privacy-preserving healthcare networks. *Applied Network Science*, 2023.
- 70. Coconubo D, Levy J, Kerr DA, Vaickus LJ, Vidis L, Glass RE, Gutmann EJ, Marotti JD, Liu X. Use of Molecular Testing Results to Analyze the Overuse of Atypia of Undetermined Significance in Thyroid Cytology. *Journal of the American Society of Cytopathology*, 2023.
- 71. Park S, Levy J, Hassanpour S, Pinto-Powell R, Thesen T. Preparing Healthcare Leaders of the Digital Age with an Integrative Artificial Intelligence Curriculum. *Medical Education Online*, 2024
- 72. Jennings E, Percarpio R, Tafe L, Demidenko E, **Levy J**, Gutmann E, Marotti J. Does ROSE Matter? A Comparison of Final Diagnostic, PD-L1 Immunohistochemistry, and Molecular Testing Yields of CT-guided Lung Biopsies Performed Before and After the Onset of the COVID-19 Pandemic. *Journal of American Society for Cytopathology 2024*.
- 73. Montagnese B, Niemczak C, Levy J, Fellows A, Gui J, Leigh S, Magohe A, Massawe E, Buckey J. Machine learning prediction of neurocognitive deficits using central auditory tests. *Plos One 2024*.
- 74. Levis, M., Dimambro, M., Levy, J., Dufort, V., Fraade, A., Winer, M., Shiner, B. (2024). Characterizing Veteran suicide decedents that were not classified as high-suicide-risk. Psychological Medicine. 10.1017/S0033291724001296
- 75. Levis, M., Dimambro, M., Levy, J., Shiner, B. A strategy to avoid target leakage in suicide risk modeling studies using text-based electronic health record data. Journal of Biomedical Informatics. (2024)
- 76. Anderson, E, ..., Levy J, et al. Maternal glucose levels and late pregnancy circulating extracellular vesicle and particles in the MADRES pregnancy cohort. *Epigenetics* (2024)
- 77. Levis M, Dimambro, M., Levy, J., Shiner, B. Using Natural Language Processing to develop risk-tier specific suicide prediction models for Veterans Affairs. Journal of Psychiatric Research (2024)
- 78. Wong, Y, ... Levy J, et al. Chewing-activated TRPV4/PIEZO1-HIF-1α-Zn axes in a rat periodontal complex. Journal of Dental Research (2024)
- 79. Levis M, Dimambro, M., Levy, J., ..., Shiner, B. Evaluating Evidence-Based Psychotherapy Utilization Patterns Among Suicide-Risk-Stratified Veterans Diagnosed With Posttraumatic Stress Disorder. Clinical Psychology & Psychotherapy (2025)
- 80. Spatially resolved, multi-region proteomics for prediction of immunotherapy outcome in deficient mismatch repair metastatic colorectal cancer. *Clinical Cancer Research* (2025)

# Research Papers - Peer-Reviewed (Submitted and Preprints) First Author

- 1. **Levy J,** Jackson C, Haudenschild C, Christensen B, Vaickus L. Pathflow-MixMatch for Whole Slide Image Registration: An Investigation of a Segment- Based Scalable Image Registration Method
- 2. Levy J, Bobak C, Christensen B, Vaickus L, O'Malley J. GCN4R: Latent Position of Actors in Social Networks with Graph Neural Networks
- 3. Levy J, Bobak C, Bobak C, Azizgolshani N, Andersen M, Suriawinata A, Liu X, Lisovsky M, Ren B, Christensen B, Vaickus L, O'Malley J. Bridge Category Models: Development of Bayesian Modelling Procedures to Account for Bridge Ordinal Ratings for Disease Staging

- 4. Levy J, Bobak C, Bobak C, Azizgolshani N, Andersen M, Suriawinata A, Liu X, Lisovsky M, Ren B, Christensen B, Vaickus L, O'Malley J. Application of Hierarchical Bayesian Bridge Modeling Approaches for Estimating Inter-Rater Variability in Fibrosis Staging
- 5. **Levy J**, Bobak C, Bobak C, Azizgolshani N, Andersen M, Suriawinata A, Liu X, Lisovsky M, Ren B, Christensen B, Vaickus L, O'Malley J. An Improvement to the Virtual Trichrome Assessment through Bridge Category Models
- 6. Levy J, et al. A Comparison of CT/RNASeq and MRI/RNASeq-Based Radiogenomics for Staging Muscle-Invasive Bladder Cancer: A Pilot Study
- 7. Levy J. Digitizing Diagnosis: Medicine, Minds, and Machines in Twentieth-Century America, A Review Senior Author
  - 8. McNutt B, Thompson J, Hunt B, Song A, Christensen B, Moore J, Vaickus L, Levy J. Federated Learning for Multicenter Collaborations of Small Biomedical Research Institutions: A Framework for Navigating Challenges and Realizing Opportunities
  - 9. Srinivasan, G, McFadden, J., Lu, Y., Davis, M., Levy J. A systematic review of deep learning models trained and tested using the HAM10000 dataset: an overview of recent advancements and challenges
  - 10. Suvarna A, Vempati R, Chacko R, Srinivasan G, Lu Y, Hunt B, Torres V, Samkoe K, Davis M, Fu L, Christensen B, Vaickus L, LeBoeuf M, Levy J. DeltaAI: Semi-Autonomous Tissue Grossing Measurements and Recommendations using Neural Radiance Fields for Rapid, Complete Intraoperative Histological Assessment of Tumor Margins
  - 11. Lu Y, Hamilton R, Greenburg J, Srinivasan G, Shah P, Preum S, Pettus J, Vaickus L, Levy J. Dendrite: A Structured, Accessible, and Queryable Pathology Search Database for Streamlined Experiment Planning
  - 12. Lu Y, Hamilton R, Greenburg J, Srinivasan G, Shah P, Preum S, Pettus J, Vaickus L, Levy J. Comparison of NLP Algorithms' Performance Under Different Tasks Using Pathology Reports
  - 13. Krogman L, ..., Levy J\*. Effects of Host Immunosuppression on Patient Outcomes by Treatment Type in Patients with Cutaneous Squamous Cell Carcinoma
  - 14. Anderson E, Srinivasan G, ..., Levy J. Association of Deep Learning-Derived Placental Villi Histologic Features with Maternal and Infant Characteristics in the New Hampshire Birth Cohort Study
  - 15. Srivastava A, ..., Levy J. Integration of Elemental Imaging and Spatial Transcriptomic Profiling for Proof-of Concept Metals-Based Pathway Analysis of Colon Tumor Microenvironment
  - 16. Azher Z, ..., Levy J. Interpretable Attention-Based Video Deep Learning Enables Identification of Intermediate State Associated With Diagnostic Ambiguity from 3D Anorectal Manometry.
  - 17. Azher Z, ..., Levy J. Multi-Center Validation of a Video-Based Deep Learning Algorithm to Evaluate Defection Patterns on 3D High-Definition Anorectal Manometry.
  - 18. Srinivasan G, ..., Levy J. Evaluating the Effectiveness of Large-Scale Spatial Virtual RNA Inference from Histology to Facilitate Spatial Molecular Epidemiological Studies for Colon Cancer Progression
  - 19. Le K, ..., Levy J. Leverage Histopathology to Explore Tumor Microenvironment Landscape Using Statistical Concepts and Deep Learning in Colon Adenocarcinoma
  - 20. Zhao C, ..., Levy J. BART for interaction extraction

#### **Co-Author**

- 21. Farrel K, Levy J, Flanagan V, Fisher T. Vaginal Birth after Cesarean in Northern New England: Adoption and Impact of a Regional Guideline
- 22. Burdick T, Snide J, Levy J, Morrell T, Jaynes S. Appendectomy is associated with three-fold increased risk of subsequent colorectal cancer in two, large EHR datasets.
- 23. Anderson E, ..., Levy J, et al. Maternal glucose levels and circulating EVP miRNAs in the MADRES pregnancy cohort
- 24. Emeny R, ..., Levy J, et al. Screening Coverage, Patient Engagement and Mental Health Outcomes Associated with Collaborative Care Delivered in Usual Circumstances of Primary Care; A Retrospective Cohort Study
- 25. Shah P, ..., Levy J, Carter J. Performance of the American Joint Committee on Cancer Staging Manual, 8th Edition and the Brigham and Women's Hospital Tumor Classification System for Cutaneous Squamous Cell Carcinoma in a Rural Setting
- 26. Nguyen H, ..., Levy J, et al. Perspective on the use of fluorescence molecular imaging for peripheral and deep en face margin assessment
- 27. Li S, ..., Levy J, et al. Preprocessing of Natural Language Processed variables using a data-driven method improves association with suicide risk in a large Veterans Affairs population

#### **Chapters:**

1. Levy J, Vaickus L. Applications of AI in Molecular Pathology. Diagnostic Molecular Pathology, 2023

#### **Editorials**:

1. Levy J, et. al. Beyond Hype: The Key Role of Implementation and Education in Realizing the Promise of Emerging Medical AI Technologies. *Frontiers in Medical Technology*, 2023.

#### **Other Publications:**

- 1. **Thesis:** Levy J. Emerging Diagnostic and Investigative Technologies: Validation of Deep Learning Technologies for DNA Methylation and Histopathology. 2021
- 2. Online, Part of Book Chapter: Levy J, Vaickus L. Virtual Staining. Pathology Outlines (2022).
- 3. Online, Part of Book Chapter: Levy J, Vaickus L. Automated Assessment of Cytology Specimen. *Pathology Outlines* (2023).
- 4. Online, Part of Book Chapter: Levy J, et. al. Artificial Intelligence. Pathology Outlines (2023).
- 5. **Online, Part of Book Chapter: Levy J, et. al.** Application of Graph Neural Networks to Digital Pathology. Pathology Outlines (2024).
- 6. **Online, Part of Book Chapter: Levy J,** et. al. Computational Approaches for Molecular Pathology. Pathology Outlines (2025).
- 7. **Internal Report: Levy J.** Interim analysis—A Phase IIa study of the effects of L-serine in Patients with Amyotrophic Lateral Sclerosis: A Phase II Study

#### Abstracts\*:

- 1. Glass R, **Levy J**, et. al. Atypia of Undetermined Significance in Thyroid Cytology: Nuclear and Architectural Atypia are Associated with Different Molecular Alterations and Risks of Malignancy (abstract)
- 2. Glass R, Levy J, et. al. Utilizing molecular testing to improve the management of thyroid nodules with indeterminate cytology: an institutional experience (abstract)
- 3. Copeland-Halperin L, ... Levy J, ... et. al. Oral Cancer Patients Undergoing Resection with Free Flap Reconstruction: Predictors of Gastrostomy Tube Placement, *STARS* 2021
- Stewart T, ..., Levy J, ... et. al. Predictors of Gastronomy Tube Placement for Patients Undergoing Resection of Head and Neck Cancer with Flap-based Reconstruction: Protocol for Systematic Review and Meta-Analysis. ACSVT 2021
- 5. Copeland-Halperin L, ..., **Levy J,** ..., et.al. Indications for Gastrostomy Tube Placement in Oral Cancer Patients Undergoing Resection with Immediate Free Flap Reconstruction. *AHNS* 2021
- 6. Glaser A, Levy J, Zhang Z, Salas L. Using Human Neural Tissue Methylation to Decipher Epigenetic Characteristics and Cell Type Pathologies in Huntington's Disease. *Movement and Disorder Society* (2021)
- 7. Copeland-Halperin L, ..., **Levy J**, ..., et.al. Does the Timing of Postoperative Showering Impact Infection and Complication Rates? *NESPRS* 2020
- 8. Barney RE, Palisoul SM, Levy J, Vaickus LJ, Lin CC, Tsongalis GJ, Zanazzi G. Digital Spatial Profiling Identifies Novel Biomarkers for Locally Invasive Tumors. J Molec Diagn 2021;23, 1648 (TT31)
- 9. Satti, K, Levy, J, et al. Effect of Vitamin D on the Relationship Between TNF-α and BMI. Pediatric Academic Societies (PAS) 2022 Meeting
- 10. Jackson C, **Levy J**, Liu X, Vaickus L. Smartphone deployment of neural network Ki67 interpretation tool USCAP (2022)
- 11. Levis M, Levy J, et al. Machine Learning and Natural Language Processing for Suicide Risk Prevention Amongst US Veterans (2022)
- 12. Levis M, Levy J, et al. Improving Electronic Health Record Suicide Risk Prediction by Leveraging Natural Language Processing. American Psychiatric Association (2023)
- 13. Salem I, ... Levy J, et al. Portable Measurement of Cutaneous Protoporphyrin IX-Associated Fluorescence Intensity at Baseline, *Maui Derm 2023*
- 14. Davis M, ... Levy J. A deep learning algorithm for integration of artificial intelligence in the Mohs Micrographic surgery workflow for treatment of basal cell carcinoma, *American College of MOHS Surgeons 2023*

- 15. Chacko R, ... Levy J. Integration of a deep learning basal cell carcinoma detection and tumor mapping algorithm into the Mohs Micrographic Surgery workflow and effects on clinical staffing: a simulated, retrospective study, *American College of MOHS Surgeons 2023*
- 16. Srinivasan G, ... Levy J. Spatial Transcriptomics Inference for the Elucidation of Disease Pathogenesis Across Large Scale Histopathology Cohorts: A Preliminary Analysis in Skin Photoaging. *PSB 2024*
- 17. Zarif A, ... Levy J. Preliminary Multimodal Deep Learning Investigation of Tumor Immune Microenvironment Cell-Type Deconvolution for Colorectal Cancer Prognostication. *PSB 2024*
- 18. Srivastava A, ... Levy J. Biomedical National Elemental Imaging Resource Co-Registration Tool Facilitates Metals-Based Pathway Analysis of the Tumor Immune Microenvironment. *PSB 2024*
- 19. Srivastava A, ... Levy J. Multimodal analysis of metals, spatial transcriptomics, and histological structures in colorectal cancer. AACR 2024
- 20. Lu Y, ... Levy J. A web-based application to co-register elemental imaging with histopathology to enhance the study of metal bioaccumulation within tumors. AACR 2024
- 21. Davis M, ... Levy J, et al. Rapid Pearl Abstracts: Pathology/Practice Management, *American College of MOHS Surgeons 2023*
- 22. Zhang Z, ..., Levy J, et. al. DNA methylation-based artificial intelligence classifier traces tissue of origin and tumor type in primary and metastasized tumors. AACR 2023
- 23. Torres V, ..., Levy J, et. al. Paired-agent imaging using Mohs-like sectioning for rapid margin assessment. World Molecular Imaging Congress 2023
- 24. Rogers K, ..., Levy J, et al. Day 6 and 7 Platelets are Not Associated with Increased Transfusion Reaction Rates A Multicenter Analysis *AABB 2023*
- 25. Davis M, ..., Levy J. A deep learning algorithm to detect cutaneous squamous cell carcinoma on frozen sections in Mohs micrographic surgery: a retrospective assessment 2023 ASDS
- 26. Farrel K, Levy J, et. al. Vaginal Birth After Cesarean Section in Northern New England: Assessing the Adoption and Impact of Regional Guidelines, Dartmouth Hitchcock Medical Center, Lebanon, NH
- 27. Catalan P, ..., Gordon S, Levy J, et. al. Integrative Genomic Characterization of the Brachypodium Polyploid Model to Unravel Bases of Success of Polyploidy in Flowering Plants, DOE JGI, Berkeley, CA
- 28. Chen Y, **Levy J**, et. al., Machine Learning Analytics of Pan-cancer Methylation Microarray and RNA-sequencing Profiles at Susceptibility Loci, CBRaD 2019
- 29. Jackson C, Levy J, Liu X, Vaickus L. Smartphone deployment of neural network Ki67 interpretation tool Mass General Brigham Research Poster (2022)
- 30. Chen Y, ... Levy J, et.al. Radiomics analysis on the molecular targeted fluorescence image provides precise tumor mapping for surgery guidance of head and neck cancer. Frontiers in Medical Technology 2022.
- 31. Steiner RA, Han S, Lu Y, Levy JJ, Vahdat LT, Jackson BP. Immunohistochemical detection of Cu-transporter ATOX1 using LA-ICP-MS to elucidate role as potential biomarker in breast cancer metastasis. GRC Cell Biology of Metals, Mt Snow, VT, 2023.
- 32. Azher Z, ... Levy J. Multi Center Validation of Video-Based Deep Learning to Interpret Anorectal Manometry. Digestive Disease Week, AGA, 2024.
- 33. Levy J, et al. Multi-Center Preliminary Validation of Deep Learning in Urine Cytology Across Diverse Clinical Settings for Rapid Bladder Cancer Screening. *Association for Pathology Informatics*, 2024.
- 34. Azher Z, ... Levy J. Preliminary Machine Learning Integration of DNA Methylation-Based Tumor Immune Microenvironment Deconvolution with Histopathological Slides for Bladder Cancer Prognostication. AACR Bladder Cancer, 2024
- 35. **Levy J,** et al. AI-Powered Tool for Rapid & Reliable Bladder Cancer Screening and Surveillance: Multicenter Validation Efforts. *AACR Bladder Cancer*, 2024
- 36. Sayegh Y, ..., Levy J. Optimizing Z-Stack Plane Selection within Urothelial Clusters in 3D Urine Cytology via AI to Improve Bladder Cancer Screening and Surveillance: Ongoing Multicenter Validation. *American Society of Cytopathology 2024*.
- 37. Shah P, ..., Levy J. Validation of American Joint Committee on Cancer 8th Edition and Brigham and Women's Hospital Staging Criteria Tumor Classification and Prognostication for Cutaneous Squamous Cell Carcinoma in a Rural Setting. *ITSCC* 2024.
- 38. Romano M, ... Levy J, et al. Effects of per-and polyfluoroalkyl substances on placental features in the New Hampshire Birth Cohort Study

- 39. Krogman L, ..., Levy J. Effective Treatment Options for Immunosuppressed Patients with Cutaneous Squamous Cell Carcinoma. *ITSCC 2024*.
- 40. Le K, ..., Levy J. Landscaping the Tumor Microenvironment Using Statistical Concepts and Deep Learning in Colon Adenocarcinoma. *USCAP 2024*
- 41. Le K, ..., Levy J. Pathologist-In-The-Loop Methodology: A Crucial Aid in Evaluating Pathology Foundation Models. *USCAP 2024*
- 42. Azher Z, ..., Levy J. Preliminary 3D Investigation of Colorectal Cancer Heterogeneity Enabled by Spatial Transcriptomics Inferred from Routine Histopathology Using Deep Learning. *USCAP 2024*
- 43. Srinivasan G, ..., Levy J. Evaluating the Effectiveness of Large-Scale Spatial Transcriptomics Inference from Histology to Facilitate Spatial Molecular Epidemiological Studies for Colon Cancer Progression. *USCAP 2024*
- 44. Kawai M, Levy J, et al. Immunohistochemical Analysis of p16, MTAP, and PRAME in a Japanese Skin Melanoma Cohort: Is p16 Loss a Prognostic Predictor? *USCAP 2024*
- 45. Tran M, **Levy J**, et al. Ornithine Decarboxylase 1 (ODC1) is associated with relapse and prognosis in B-cell Acute Lymphoblastic Leukemia. *USCAP 2024*
- 46. Ha J, Levy J, et al. Optimizing an EDTA Decalcification Protocol for Diagnostic Bone Biopsies: Experience at an Academic Medical Center. *USCAP 2024*
- 47. Tran M, Levy J, et al. Molecular Insights into Differentiated High-Grade Thyroid Carcinoma. USCAP 2024
- 48. Le, M.K. ..., Levy J. Characterization of the Tumor Microenvironment's Histologic Landscape through Histology-Based Deep Learning Spatial Transcriptomic Cell-Type Deconvolution of Colon Tumors. in Proceedings of the AACR Annual Meeting (American Association for Cancer Research (AACR), Chicago, IL, USA, 2025).
- 49. Azher, Z. ..., Levy J. Preliminary Feasibility of Co-Registering Tissue Autofluorescence with 3D Spatial Transcriptomics for Multimodal Analysis of Destructively Profiled Colorectal Tumor Sections. in Proceedings of the AACR Annual Meeting (American Association for Cancer Research (AACR), Chicago, IL, USA, 2025).
- 50. Srinivasan, G. ..., Levy J. Spatial Transcriptomics-Informed Latent Diffusion Models Generate Histopathological Images Reflective of Tumor Microenvironment. in Proceedings of the AACR Annual Meeting (American Association for Cancer Research (AACR), Chicago, IL, USA, 2025).
- 51. Azher Z, ..., **Levy J.** Feasibility of Studying Colorectal Cancer Heterogeneity Using 3D Spatial Transcriptomics Inferred From Serial Routine Histopathology With Deep Learning. *3<sup>rd</sup> Annual Spatial Biology Summit (2024)*

#### **Abstracts Under Review:**

- 1. Gui J, ..., Levy J, Shiner S. Words matter: an association study between natural language processing of clinical mental health notes and suicide risk.
- 2. Ismail A, ..., Levy J, et al. Identifying pathology residency candidates with lower agreement among their evaluators
- 3. Wainman L, ..., Levy J, et al. Whole Exome Sequencing of Urine Cytology Samples for Early Detection of Recurrence
- 4. Yao K, Levy J. Implementation of Cytologic Reporting Systems During Laboratory Information System Changes Perspective from a Large Health System in The United States with Three Independent Laboratories

## **Additional Information**

# Select manuscripts in preparation:

# **First Author**

- 1. **Levy J**, et. al. HistoBayes: An Interactive Web Application for Bayesian Deep Learning on Histopathology, with Applications in Cytopathology
- 2. Levy J, et. al. Hyperbolic MethylMaps: Hyperbolic Embeddings Pseudotime Bulk DNA Methylation
- 3. Levy J, et. al. InteractMethylXtract: Random Forest Selected DNA Methylation Interactions
- 4. Levy J, Haudenschild C, et. al. MetaCRACKER: Deep Clustering of Metagenomic Reads
- 5. Levy J, LeBoeuf M, Christensen C, Vaickus L. Quantitative machine learning method to assess the quality of frozen specimens during intraoperative margin assessments
- 6. Levy J, LeBoeuf M, Christensen C, Vaickus L. Deep learning approach for intraoperative margin assessment for Mohs micrographic resection of squamous cell carcinoma tumors

- 7. **Levy J**, Christensen C, Vaickus L, Shah E. Multicenter Prospective Validation of Anorectal Manometry AI Technologies
- 8. Levy J\*, Ratna S\*, et al. PyNuclei: A Software Framework for Nuclei Segmentation
- 9. Levy J\*, Harish H\*, et al. DeepCellCluster: A Software Framework for Nuclei Clustering
- 10. Levy J, Glaser A, et. al. DNA Methylation Brain Cell-Type Adjustment and Meta-Analysis Reveals Important Markers of Huntington's Disease
- 11. **Levy J**, et. al. Turing Test 2.0: Improving Clinical Applicability of Visual Inspection of Virtual Staining Technologies
- 12. Levy J, et. al. On the Potential for Selection Bias using Digital Spatial Profiling Technologies
- 13. Levy J, et. al. Perspectives on Technology and Stakeholder Readiness Stress Testing
- 14. Levy J, et. al. Impact of Travel Distance to Nearest Clinic on Health Outcomes for Patients with Cutaneous Squamous Cell Carcinomas
- 15. Levy J, et. al. Impact of Autostaining on Spatial Transcriptomics Assays (spatial heterogeneity)
- 16. Levy J, et. al. Hologic AutoParis-X
- 17. Levy J, et. al. Impact of H&E Staining on Spatial Elemental Mapping
- 18. Levy J, et. al. Co-registration tool for Spatial Elemental Mapping
- 19. Levy J, et. al. Statistical Analysis Platform for Multimodal Spatial Elemental Mapping
- 20. Kerr D\*, Levy J\*, Goyette E, et. al. Digital Spatial Profiling Reveals Signatures of Dupuytren Treatment

# **Senior Author**

- 21. Anderson E, ..., Levy J. Quantitative Deep Learning Approach to Assess Risk of Choriocarcinoma from Products of Conception
- 22. Davis M, ..., Levy J. Expanding diversity of dermatological images, an opinion piece
- 23. Davis M, ..., Levy J. AI in Dermatology
- 24. Cronin T, ..., Levy J. Machine Learning Approaches to Develop Quantitative Histomorphological Placental Signatures of Abnormal Fetal Development: A Comprehensive Review
- 25. Pietrowicz S, ..., Levy J. EDIT AI: Internal Evaluation of Pilot Remote Machine Learning and Healthcare High School Internship Program
- 26. Pietrowicz S, ..., Levy J. Mitigating Bias In AI-Augmented Clinical Decision Making by Diversifying the STEM Workforce through Engaging Students from Underserved Backgrounds through a Remote Instruction Model
- 27. Pietrowicz S, ..., Levy J. Evaluation of an elective medical school AI enrichment course
- 28. Hunt B, ..., Levy J. Development of a Cell Phone Fluorescence Assessment Hardware for Examining Photocarcinogenesis
- 29. McFadden J, ..., Levy J. A Survey on Cell Phone Technologies Outfitted to Study Fluorescence Spectra
- 30. Lu Y, ..., Levy J. Comparison of Deep Learning Approaches for Various Natural Language Processing Tasks on Pathology Reports
- 31. Lu Y, ..., Levy J. Position paper on the role of generative modeling on scientific communication
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- 34. Lu Y, ..., Levy J. Generative text modeling of pathologist case reports: how well do you know your colleagues?
- 35. Hudson T, ..., Levy J. Degenerate Oligo Optimization with Randomized Synthesis for Low-Cost Library Synthesis for CRISPR Off-Target Screening
- 36. Hudson T, ..., Levy J. Validating DOORS for Off-Target Screening In-Vitro via the OneSeq Assay
- 37. Hudson T, ..., Levy J. A Method to Leverage Degenerate Oligo Design for Optimizing CRISPR Guide-Enzyme Pairs
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- 43. Srinivasan G, ..., Levy J. Frozen versus Permanent Comparison, Single Cell RNA, Differential Expression
- 44. Srinivasan G, ..., Levy J. Frozen versus Permanent Comparison, Single Cell RNA, Visium Mapping

- 45. McOsker S, ..., Levy J. Data Valuation of Graph Structured Data in Pathology
- 46. Kamau U, ..., Levy J. Natural Language Processing Evaluation of Dynamic Topics Corroborates Changing Bladder Cancer Screening Practices in Response to Introduction of Paris System Criteria
- 47. Goel T, ..., Levy J. Point2Cell: Efficient Augmentation of Cell Detection Datasets with Point Annotations, with application to Mohs Surgery
- 48. Goel T, ..., Levy J. Exploring effective cell graph neural network training strategies for high resolution real-time intraoperative histological margin assessment
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- 59. Gullet J, ..., Levy J. Review and Tutorial of Hierarchical Bayesian Analyses in Pathology and Potential Machine Learning Applications
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- 66. Chen J, ..., Levy J. Bladder Cancer Survival Elucidated through DNA Methylation and Whole Slide Images

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- 67. Zheng Z, Levy J, et. al. Cell Type Independent Clock Leveraging DNA Methylation
- 68. Zheng Z, Levy J, et. al. Colon Microbiome DNAm
- 69. Zheng Z, ..., Levy J. Cell Type Dependent Clock Leveraging DNA Methylation
- 70. Jackson C, Levy J, et. al. Smartphone Deployment of Neural Network Ki-67 Interpretation Tool
- 71. Levis M, Levy J, et. al. Dynamic Topic Models Predictive of Suicide Risk for Veterans
- 72. Emeny R, ..., Levy J, et. al. Burbank Study: Maternal Self-Reported Depressive Symptoms and Infant Outcomes in Times of COVID-19
- 73. Satti K, ..., Levy J, et. al. Inflammatory Markers Predictive of Changes in BMI in a Pediatric Cohort
- 74. Satti K, ..., Levy J, et. al. The Relationship between BMI and Inflammation is Modified through Vitamin D Intake
- 75. Satti K, ..., Levy J, et. al. The Relationship between Pediatric BMI, Microbiome Community Composition, T Cell Repertoire
- 76. Carter J, ..., Levy J, et. al. Impact of Electrodessication and Curettage for Treating Moderately Differentiated Cutaneous Squamous Cell Carcinomas
- 77. Kerr D, Goyette E, **Levy J**, et. al. Decalcification Protocol with Optimal Timing and Maximal Tissue Preservation for High-Quality Histologic Examination and Molecular Analysis
- 78. Romero A, Levy J, et. al. Platelet Age is Not Associated with Increased Transfusion Reaction Rates
- 79. Salem I, ..., Levy J, et. al. PpIX measurements study
- 80. Hamilton R, ..., Levy J. AutoML: Investigation of Neural Architecture Search Methods for Digital Pathology Classification Systems
- 81. Hamilton R, ..., Levy J, Vaickus L. Signet Ring Cell Carcinoma Evaluation through Deep Learning Approach

- 82. Dunkle A, Levy J, et. al. Influenza Test Positivity Rates From 2019-2020 with the Onset of Social Distancing Due To COVID
- 83. Simoes N, ..., Levy J, et al.. Thyroid Suspicious Neoplasms
- 84. Glass R, Levy J, et. al. Comparing NC Ratios between Eyeball and Diameter-Based Measurements
- 85. Levy J, et. al. Transfer Learning for Fracture Detection from CT Scans
- 86. Greene C, ..., Levy J. Opportunities and obstacles for deep learning in biology and medicine, 2<sup>nd</sup> update.

## Conference Sessions in Preparation / Under Review:

- 1. Carly A. Bobak, Courtney T. Schiebout, Sean McOsker, Yifan Zhao, Samuel Lefkowitz, Brady Hunt, Derek Williamson, Joseph Romano, Kristine A. Giffin, Christian Darabos, **Joshua Levy**, Jason H. Moore, Dennis P. Wall. *HUMAN INTRIGUE: BIG QUESTIONS WITH BIG DATA*
- 2. Samuel Lefkowitz, **Joshua Levy**, Carly A. Bobak. Biological and Medical Applications of Networks and Graph Theory
- 3. Carly A. Bobak, Courtney T. Schiebout, Sean McOsker, Yifan Zhao, Samuel Lefkowitz, Brady Hunt, Kristine A. Giffin, **Joshua Levy**, and Christian Darabos. STORYTELLING WITH DATA SCIENCE