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**KEVIN LY M.D.**

PHYSICIAN, INNOVATOR, CREATIVE  
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## OBJECTIVE

Accomplished family medicine physician eager to improve the efficiency of clinical data processing to integrate into clinical workflows and improve quality of patient care. Desire to lead in improving system level problems using interdisciplinary team-based approach.

## SKILLS

- Goal and detail oriented, consumer and patient centered, efficient and effective at tasks and communication
- Extensive proficiency in Microsoft Office, Adobe Creative Cloud Suite.
- Familiar with RStudio, Matlab, Labview, Python, HTML, Tableau

### EHR Experience:

Epic<sup>1</sup>, Cerner Millennium, Cerner Soarian, Allscripts Sunrise Clinical Manager, NextGen, PointClickCare

1. *Certifications: Physician Builder Core Aug 2024, Analytics Sept 2024, Population Health Oct 2024, Health Maintenance 2025, Physician SmartUser Badge Dec 2023, Notecraft for Physician Builders Dec 2023*

**Languages:** English, Spanish, Vietnamese

## EXPERIENCE

### FELLOW • JULY 2024 – JUNE 2026

#### CLINICAL INFORMATICS FELLOWSHIP PROGRAM • GEISINGER MEDICAL CENTER • DANVILLE, PA

- Lead Geisinger's contextualization team for integrating Value Based Care Guides as a part of Risant Health and Kaiser Permanente.
- Physician lead for Geisinger Pharmacy Refill Protocol Development
- Collaborate with interdisciplinary teams to optimize clinical workflows and implement across the enterprise
- Involved with clinical enterprise enhancements including improved unified scheduling, intelligent triaging, ambient documentation

### PRIMARY CARE PHYSICIAN • OCTOBER 2021 – JUNE 2024

#### GEISINGER ELYSBURG • ELYSBURG, PA

- Worked with interdisciplinary team including care manager, medication therapy management/pharmacy, to manage care for over 3,000 patients ranging from neonates to geriatrics.
- Collaborated with and mentored advanced practitioners including physician assistants and nurse practitioners.
- Engaged in the care of patients via office visits, telehealth and home visits to provide comprehensive care in preventative and acute visits.
- Active member of In Basket Optimization Oversight Committee: review improvement opportunities for limitations of In Basket workflow for providers and clinical staff, regularly review in basket focused KPIs, provide recommendation to optimize operational workflows, review Epic updates related to In Basket functionality, provide recommendations on implementation strategy, and disseminate and inform stakeholders on action items.
- Participated in myCareChoices Program to better facilitate advanced care planning discussions within the primary care setting
- Educated and mentored residents as a part of an ambulatory care rotation at a small rural hospital-based clinic.

### ASSISTANT PROFESSOR OF FAMILY MEDICINE • JANUARY 2022 – PRESENT DEPARTMENT OF POPULATION HEALTH AT GEISINGER COMMONWEALTH SCHOOL OF MEDICINE • ELYSBURG, PA

- Mentor and educate allopathic and osteopathic students, transitional residents, internal medicine residents, as a part of family medicine and rural health rotations.
- Faculty mentor in Abigail Scholars Advisors Program

**RESIDENT PHYSICIAN • JULY 2018 – JUNE 2021**

**RUTGERS RWJ MEDICAL SCHOOL AT CENTRASTATE MEDICAL CENTER • FAMILY MEDICINE RESIDENCY PROGRAM • FREEHOLD NJ**

- Responsible for patients at the Freehold Family Health Center, a Federally Qualified Health Center, and provided primary care services, minor procedures including but not limited to pap smears, IUD placement, and injections.
- Lead key initiatives to improve patient safety and cost savings through standardizing sepsis protocol and teaching for the care of patients at sub-acute care facilities
- Authored numerous case presentations, poster presentations and presented at national conferences.
- Involved in hospital committees including: CentraState Pharmacy and Therapeutics Committee, Informatics Advisory Committee, Diabetes committee, Rutgers RWJ Family Medicine Residency Council, Program Evaluation Committee, Precepting subcommittee, Duty Hour subcommittee, Maternal Safety Initiative subcommittee.
- Awarded Resident of the Year, June 2021; STFM Resident Teacher Award, June 2021; Patient Service Award, June 2021.

**PHOTOGRAPHER, OWNER • KEVIN LY PHOTOGRAPHY • AUGUST 2010 - PRESENT**

- Experience in landscape, fine art, real estate, portrait and wedding photography
- Cater to international and diverse clientele including individuals, families, and businesses
- Published internationally, freelanced for state tourism boards, donated artwork to drive community-based charities
- Portfolio: [klyphoto.com](http://klyphoto.com)

## **EDUCATION**

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**CANDIDATE FOR MASTER OF BUSINESS ADMINISTRATION, MBA • JULY 2024 – EXPECTED GRAD: AUG 2026  
UNIVERSITY OF SCRANTON, SCRANTON PENNSYLVANIA**

*GPA: 4.0*

- *Improving personal depth of understanding of healthcare systems to better deliver care efficiently and effectively*

**DOCTOR OF MEDICINE, MD • AUG 2013 – APRIL 2018  
ST GEORGE'S UNIVERSITY, GRENADA WEST INDIES**

- Enhanced clinical experience with medical humanities course at Overlook Medical Center, NJ.
- Active member on campus and cared for local Grenadians as a part of health fair clinics provided for the community as well as participate in various presentations and educational experiences for community
- Taught photography workshops while in Grenada, auctioned own fine art photography and donated to local Grenada charities.

**BACHELOR OF ARTS, BIOLOGY, BA • AUG 2010 - JUNE 2013  
NEW JERSEY INSTITUTE OF TECHNOLOGY, NEWARK NEW JERSEY**

*Albert Dorman Honors College GPA: 3.8/4.0 Magna Cum Laude*

- Active member of campus and academic programs as a part of the 7-year BA/MD Accelerated Program.
- Awarded NJIT Presidential Leadership Award, Dorman Honors College Leadership Service Award, and National Fellow of the Pearson Prize for Higher Education.
- Developed, designed, and awarded funding for non-invasive glucose monitoring prototype; cofounder of Geneo Medical
- Awarded best presentation in the Newark Innovation Acceleration Challenge, runner up in Dr Randal Pinkett's Campus CEO Challenge.

## CERTIFICATIONS

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2016	USMLE Step 1: 197	Credentials
2017	USMLE Step 2 CK: 214	American Board of Family Medicine Board Certified
2017	USMLE Step 2 CS: Pass	State Medical Licenses: <b>Pennsylvania, New Jersey</b>
2021	USMLE Step 3: 213	DEA License: Active

## RESEARCH / CLINICAL TRIALS

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### **DATA MANAGER • ATTAC-19 TRIAL • UNIVERSITY HOSPITAL, NEWARK, NJ • OCTOBER 2020 – JAN 2022**

- Clinical trial: Aggrenox to Treat Acute COVID-19 (ATTAC-19). ID: NCT04410328. Oct 2020 – Dec 2021.
- Principal investigator: Dr Amit Singla.
- Published: A randomized controlled trial to evaluate outcomes with Aggrenox in patients with SARS-CoV-2 infection. PLoS One. 2023 Jan 30;18(1):e0274243. doi: 10.1371/journal.pone.0274243. PMID: 36716303.

### **RESEARCH SCHOLAR • VARIOUS; NEWARK, NJ • 2011 -2013**

#### **INTERDISCIPLINARY DESIGN STUDIO • NJIT PROVOST UNDERGRADUATE RESEARCH PROGRAM • 2011 CAPITAL ONE BANK SPONSORED INNOVATION ACCELERATOR PROGRAM • 2012**

- Co-founded and acquired seed-funding for startup Geneo Medical for further research and development.
- Investigation of the spectrum signature of glucose using near infrared spectrometry for application to noninvasive glucose monitoring
- Development of point of care prototype to allow for real time glucose monitoring. Use of multi-spectral optical, near-infrared wavelength-based illumination and absorption measurements to estimate blood glucose in situ.
- Remodeled Monte Carlo simulation to fit transmission model; correlated with physical phantom models
- Presented at Interdisciplinary Design Studio Innovation Showcase, Forbes, New York, New York, 2012
- Presented at Summer Undergraduate Research Symposium, NJIT – Newark, NJ. 2011, 2012, 2013.

## QUALITY IMPROVEMENT

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### **PROJECT LEAD, PHYSICIAN • IMPROVING ACCESS TO LONG-ACTING REVERSIBLE CONTRACEPTION • FREEHOLD FAMILY HEALTH CENTER • FREEHOLD, NJ • FEB 2021 – JUNE 2021**

- Developed initiative to review and assess current contraceptive prescription patterns and identify barriers to entry to optimize and improve rates and timeliness of contraception to post partum patients and reduce rates of unwanted pregnancies in the Freehold community
- Worked with local and state advocates to develop educational materials and optimize use of available funding and resources to improve care and patient satisfaction as it relates to contraceptive management and family planning

### **PROJECT LEAD, PHYSICIAN • IMPROVING ACCESS TO POSTPARTUM CONTRACEPTION • FREEHOLD FAMILY HEALTH CENTER • FREEHOLD, NJ • JAN 2020 - JUNE 2021**

- Designed a retrospective study of FFHC obstetric patients and analyzed contraception rates post partum in order to improve access to care and improve family planning education.
- Presented at New Jersey Academy of Family Physicians Conference, June 2021.

### **DATA AND STATISTICS, PHYSICIAN • GROUP VISITS IN PRIMARY CARE: AN OVERVIEW OF PATIENT PREFERENCES AND BARRIERS • FREEHOLD FAMILY HEALTH CENTER • FREEHOLD, NJ • OCT 2020 - MAY 2021**

- Developed a prospective study to determine barriers to care for population of FFHC, a FQHC, to better improve compliance and show rate to provider visits.
- Presented at New Jersey Academy of Family Physicians Conference, June 2021.

## **PROJECT LEAD, PHYSICIAN • SEPSIS IN SUBACUTE FACILITIES • MANOR REHABILITATION • FREEHOLD, NJ • AUG 2018 – DEC 2019**

- Worked closely with director of rehabilitation facilities associated with CentraState Medical Center in order to advance and educate on current sepsis guidelines in order to promote improved and effective recognition of sepsis in the geriatric community.
- Presented to both nursing and clinical ancillary staff at the Manor and presented findings to improvement in patient care at both state and national conferences including the Society of Teachers in Family medicine Conference on Practice & Quality Improvement in Phoenix, Arizona 2019.

## **RESIDENT PHYSICIAN • HOW TO REDUCE HOSPITAL READMISSIONS: A RESIDENT LEAD IMPROVEMENT PROJECT USING THE INTERACT PATHWAY • MANOR REHABILITATION • FREEHOLD, NJ • AUG 2018 – DEC 2019**

- Integrated and optimized use of INTERACT pathway within nursing home EHR to reduce acute care transfers and more efficiently determine early predictors for sepsis with clear communication from nursing to physician via SBAR.
- Presented at Society of Teachers in Family medicine Conference on Practice & Quality Improvement in Phoenix, Arizona 2019.

## **POSTERS, PUBLICATIONS & PRESENTATIONS**

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### **POSTERS**

1. Dhawan, A., Federici, J., **Ly, K.** Non Invasive Glucose Monitoring using Near Infrared Spectroscopy. Poster presented at: Summer Undergraduate Research Symposium; Newark, NJ, USA. Aug 2011.
2. **Ly, K.** Non Invasive Glucose Monitoring using Near Infrared Spectroscopy. Poster presented at: Interdisciplinary Design Studio Innovation Showcase; New York, NY, USA. Dec 2012.
3. **Ly, K.** Demographic and Behavioral Analysis of Type I Diabetics with Respect to Glucose Monitoring Poster presented at: Summer Undergraduate Research Symposium; Newark, NJ, USA. Aug 2012
4. **Ly, K.**, Raymond, J., Reznikov, A., Douglas, Adam., Castro, N., Islam, S., McCalmon, K., Olaniyan, T., Shah, A., Redel, H., Ciminelli, M. Treating Sepsis: Pushing the Boundaries in the Post-Acute Arena. Poster presentation at New Jersey Academy of Family Physicians Scientific Assembly, June 2019.
5. Raymond, J., Alday, G., **Ly, K.**, Khan, Z., Reznikov, A., Ciminelli, M. How to Reduce Hospital Readmissions: A Resident Lead Improvement Project Using the INTERACT Pathway. Poster at STFM Conference on Practice & Quality Improvement, Dec 2019
6. **Ly, K.**, Raymond, J., Reznikov, Redel, H., Ciminelli, M. Sepsis in post-acute care. Poster presentation at STFM Conference on Practice & Quality Improvement, Dec 2019
7. Asselstine, S., **Ly, K.**, Chu, S., Sussman, S., Kwok, A., Olaniyan, T., Shah, A., Qazi, M., Kim, R. Pulmonary Embolism as the Presenting Feature in a CMV-Positive Immunocompromised Patient. Poster presentation at New Jersey Academy of Family Physicians Scientific Assembly, June 2020.
8. **Ly, K.**, Pandya, D., Pudney, J. Landesman, A., Marcigliano, A., Raymond, J., Abdelquader, H., Ciminelli, M. Using TeleHealth to Foster Medical Education and Enhance Patient Care. Poster presentation at 2021 Innovations in Medical Education Online Conference, Feb 2021.
9. **Ly, K.**, Khan, Z. Review of Nonpharmacological Interventions in Managing Depression in the Elderly. Poster presentation at 2021 American Geriatric Society Annual Scientific Meeting, May 2021.
10. Johnson, S., **Ly, K.**, Cherian, J., Raymond, J. Reducing hospitalizations in long term care facilities using Bamlanivimab. Poster presentation at STFM Conference on Practice & Quality Improvement, Sept 2021.
11. **Ly, K.**, Parkih, K., Johnson, S., Sinha T. Improving Access to Postpartum Contraception. NJAFP Conference Poster, June 2021.
12. **Ly, K.**, Khan Z, Deprescribing Depression in the Elderly. NJAFP Conference Poster, June 2021.
13. Asselstine S, Castro N, **Ly, K.**, Qazi M, Kim R, Shah A, Parikh K, Pandya D, McCalmon K, Ciminelli M, Raymond J, Khan Z. Group Visits for Weight Management in Primary Care: An Overview of Patient Preferences and Barriers. NJAFP Conference Poster, June 2021.

14. Pandya D, Johnson. S., **Ly, K.**, Cherian, J., Raymond, J. BAM! COVID-OUT; Help is on the way. NJAFP Conference Poster, June 2021.
15. Asselstine S, **Ly K**, Khan Z, Shah N. Remdesivir Mortality Benefit in Mechanically Ventilated COVID-19 Patients: A Retrospective Review. Rutgers Research Symposium, June 2021
16. **Ly K**, Asselstine S, Shah A, Pandya D, Pudney J, Parikh K, Castro N, Kim R, Johnson S. A case of Acute Renal Failure resulting from Xanthogranulomatous Pyelonephritis. Rutgers Research Symposium, June 2021.
17. Johnson. S., **Ly, K.**, Cherian, J., Raymond, J. Reducing hospitalizations in long term care facilities using Bamlanivimab. Rutgers Research Symposium, June 2021.
18. Kumarjiguda, D., Dzwonkowski, M., Kodali, V., Perez-Chapman, A., **Ly, K.** Encephalopathy at its worst: a case of Marchiafava-Bignammi disease. SHM Converge 2023, March 2023.
19. Kumarjiguda, D., Dzwonkowski, M., Kodali, V., **Ly, K.** Fourth times a charm: Neurosarcoidosis suspected in bilateral hemispheric strokes. SHM Converge 2023, March 2023.

## **PUBLICATIONS**

1. Asselstine S, **Ly K.**, Chu SA, Sussman S, Kwok A, Olanyan T, Shah A, Qazi M, Kim R, Khan Z, Ciminelli M. Pulmonary embolism as the presenting feature in a cytomegalovirus-positive immunocompromised patient. Consultant360. Published online July 30, 2020. doi:10.25270/con.2020.07.00012
2. Asselstine S, **Ly K**, Khan Z, Shah N (2020) Remdesivir Mortality Benefit in Mechanically Ventilated COVID-19 Patients: A Retrospective Review. Published November 18, 2020 - Journal of Infectious Disease and Epidemiology 6:175. doi.org/10.23937/2474-3658/1510175
3. **Ly K**, Asselstine S, Shah A, Pandya D, Pudney J, Parikh K, Castro N, Kim R, Johnson S. A case of Acute Renal Failure resulting from Xanthogranulomatous Pyelonephritis. Consultant. Published online October 12, 2021. doi:10.25270/con.2021.10.00002
4. Singla A, Dadario NB, Singla A, Greenberg P, Yan R, Nanda A, Boison D, Malhotra R, Patel S, Nipun S, Maninderpal K, Castro D, Bdiwi S, Boktor H, Kyi HH, Sutherland A, Patrawalla A, **Ly, K**, Xie Y, Sonig A, Khandelwal P, Liu J, Koziol J, Finkle D, Subanna S, Libutti SK. A randomized controlled trial to evaluate outcomes with Aggrenox in patients with SARS-CoV-2 infection. PLoS One. 2023 Jan 30;18(1):e0274243. doi: 10.1371/journal.pone.0274243. PMID: 36716303.
5. *Ly K, Harberger S, Chang A, Wheeler J, Heimer S, Murali N, Boell K, Kobylinski M, Vawdrey D. REPEAT BP: Reviewing Effective Practices for Elevating Adherence in Treatment of Hypertension. JAMIA. Submitted Manuscript, Pending Review April 2025.*

## **PRESENTATIONS**

### **Panelist**

Dec 2024: American College of Cardiology - 2024 Value-based care in Cardiology Forum.

### **For Clinical**

Mar 2019: Geriatric Presentation: Falls in the Elderly

Jun 2019: Morbidity & Mortality / Quality Improvement: Sepsis in LTC and SAR.

May 2020: Community Medicine Presentation: Moving those who can't move: Getting transport for medical services in Monmouth County

July 2020: Morbidity & Mortality / Quality Improvement: Complications of prolonged intubation

Dec 2020: Morbidity & Mortality / Quality Improvement: Long term complications of SARS CoV-2

Sept 2024: Value Based Care in 2024

Dec 2024: AI Bots in Healthcare

### **For the Community**

Feb 2020: Pharmacology: Interesting cases. Med Sci, Freehold HS, Freehold, NJ

Oct 2019: Research Design and Ethics. Med Sci, Freehold HS, Freehold, NJ

Oct 2019: Sepsis 101: Managing sepsis in the post-acute setting. Manor Rehab, Freehold NJ

May 2021: COVID-19 Vaccines. Virtual, Freehold, NJ

Mar 2025: Exploring a career in primary care. Danville High School, Danville PA

## LEADERSHIP

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### AMERICAN MEDICAL INFORMATICS ASSOCIATION – CLINICAL INFORMATICS FELLOWS

**CHAIR OF MARKETING & SOCIAL MEDIA • 2025-2026 ACIF EXECUTIVE BOARD • JULY 2025 – JUNE 2026**

**CIPD MARKETING COMMITTEE DELEGATE • JULY 2025 – JUNE 2026**

- Maintain and manage ACIF website, social media platforms including LinkedIn

### GEISINGER MEDICAL CENTER

**PHYSICIAN LEAD • VALUE BASED CARE GUIDE CONTEXTUALIZATION TEAM • JUNE 2024 – PRESENT**

- Coordinated interdisciplinary team including physicians, consultants and clinical specialists across Geisinger, Risant Health and Kaiser Permanente in adopting and contextualizing value based care guides targeted at improving workflows in primary care.

**MEMBER • IN BASKET OPTIMIZATION OVERSIGHT COMMITTEE • NOVEMBER 2023 – PRESENT**

- Review improvement opportunities for limitations of In Basket workflow for providers and clinical staff, regularly review in basket focused KPIs, provide recommendation to optimize operational workflows, review Epic updates related to In Basket functionality, provide recommendations on implementation strategy, and disseminate and inform stakeholders on action items.

**MEMBER • VARIOUS • JULY 2024 – PRESENT**

- Optimization Committee

- Scheduling Governance

- Orders and Results Committee

- Meds to Beds Rx

- Documentation Governance

- House Staff Association

### CENTRASTATE FAMILY MEDICINE RESIDENCY ALUMNI ASSOCIATION

**FOUNDER • AUGUST 2021 – PRESENT**

- Initiated alumni network for graduates of the family medicine residency program

- Coordinated virtual networking sessions to showcasing employment opportunities and improve the understanding of contract negotiations for graduating residents

- Foster a community of primary care leaders and allow networking opportunities within the alumni network.

### CENTRASTATE MEDICAL CENTER

**RESIDENT PHYSICIAN MEMBER • VARIOUS • HOSPITAL COMMITTEES • 2019-2021**

- Informatics Advisory Committee

- Pharmacy and Therapeutics Committee

- IT Committee

- Diabetes Committee

### RUTGERS RWJ FAMILY MEDICINE PROGRAM @ CENTRASTATE

**RESIDENT COUNCIL CLASS REPRESENTATIVE • 2019-2021**

**MEMBER • PROGRAM EVALUATION COMMITTEE • 2019-2021**

- Precepting subcommittee   -Duty hour subcommittee   - Maternal safety initiative subcommittee

**RESIDENT FACULTY • AAFP ADVANCED LIFE SUPPORT IN OBSTETRICS • OCTOBER 2020**

CentraState Medical Center; Freehold, NJ

- Coordinated and assisted with certification course for over 20 medical residents and attending physicians. Set up and facilitated logistics of day-long event.

## SERVICE TO THE COMMUNITY

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PHYSICIAN • FREEHOLD LATINO HEALTH FAIR • SEPT 15, 2018

PHYSICIAN, PRESENTER • CENTRASTATE HEALTH AWARENESS CENTER • 2018-2020

Colorectal cancer screening • Nov 5, 2019

Head and neck screening • Feb 27, 2019

Thyroid Screening • Feb 27, 2020

Colorectal cancer screening • Nov 18, 2020

## AFFILIATIONS / PROFESSIONAL ORGANIZATIONS

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American Association for Physician Leadership – Member • 2024-Present

American Academy of Family Physicians – Member • 2019-Present

National Conference of Constituency Leaders (NCCL) – Pennsylvania New Physician Delegate 2025

Pennsylvania Academy of Family Physicians – Member • 2023-Present

New Jersey Academy of Family Physicians – Member • 2019-2023

American College of Physicians – Member • 2016-2018

American Medical Student Association • 2013-2018

Alpha Phi Omega – National Service Fraternity • 2012

## AWARDS AND HONORS

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### AWARDS

#### *Leadership*

Rutgers RWJMS Family Medicine Residency @ CentraState

Resident of the Year, June 2021

STFM Resident Teacher Award, June 2021

Patient Service Award, June 2021

C.A.R.E award, June 2020

New Jersey Institute of Technology

NJIT Presidential Leadership Award, May 2013

Dorman Honors College Leadership Service Award, May 2013

Outstanding Diversity Program – National Society of Collegiate Scholars, May 2013

Dorman Honors College Outstanding Service Award, April 2013

National Society of Collegiate Scholars Chapter Award, June 2012

Dorman Honors College Leadership Service Award, May 2012

Most Innovating Program Award – Innovation Acceleration Club, May 2012

Delta Epsilon Iota Chapter Leadership Award, Feb 2012

#### *Scholarship*

National Fellow of the Pearson Prize for Higher Education, June 2012

Edward J. Bloustein Distinguished Scholar, Spring 2010

Keith Hightower Scholarship, Spring 2010

#### *Research & Presentations*

Dr. Randal Pinkett's Campus CEO Challenge – Runner up, March 2013

Newark Innovation Acceleration Challenge – 1st Overall Best Presentation, Dec 2011

## MORE ABOUT ME

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### AREAS OF INTERESTS

Data and informatics, biotechnology, quality improvement, academics, research, pharmacovigilance, artificial intelligence

## **OUTSIDE INTERESTS**

Photography, Entrepreneurship, Design, Video production, classically trained in piano for 8 years, violin for 8 years

## **REFERENCES AVAILABLE UPON REQUEST**



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