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**KEVIN LY M.D.**

PHYSICIAN, INNOVATOR, CREATIVE  
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## OBJECTIVE

Well-rounded and ambitious family medicine physician looking opportunities to integrate clinical care and data science and technology to improve patient outcomes.

## SKILLS

- Adept in electronic health records, digital media and word processing.
- Goal and detail oriented, consumer and patient centered, efficient and effective at tasks

- Extensive proficiency in Microsoft Office, Adobe Creative Cloud Suite.
- Familiar with RStudio, Matlab, Labview, Python, HTML.

Languages: English, Spanish, Vietnamese

## CONTACT

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916.538.4659

## PROFESSIONAL EXPERIENCE / TRAINING

### 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.

### RESIDENT ASSISTANT • AUG 2011 – JULY 2013

#### NEW JERSEY INSTITUTE OF TECHNOLOGY • NEWARK, NJ

- Responded to the needs of 60+ residents on a floor. Advised on personal, academic, and career concerns.
- Created, planned, and implemented educational, community service, leadership, social, and recreational programs with nearly a hundred residents in attendance
- Acted as a liaison between residents and Department of Residence Life.
- Managed various administrative duties including maintenance requests, incident and environmental reports, and room transfers. Enforced and upheld university policies.

## **STARS - STUDENT TECHNOLOGY AND RESOURCE SERVICES PROGRAM • JAN 2012 – MAY 2012**

### **NEW JERSEY INSTITUTE OF TECHNOLOGY • NEWARK, NJ**

- Created text and multimedia tutorials for Moodle software and ConnectYard plugin
- Developed online and print marketing and advertising campaigns
- Trained faculty and revised modules for advanced training

### **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
- Portfolio: klyphoto.com

## **EDUCATION**

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### **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

2017 USMLE Step 2 CK: 214

2017 USMLE Step 2 CS: Pass

2021 USMLE Step 3: 213

### **Credentials**

*American Board of Family Medicine Board Eligible:*

*Anticipate certification Fall 2021*

8/3/21 Pennsylvania License, Exp 12/31/22

2021 Pending NJ

DEA pending.

6/2020: BLS, ACLS, PALS, ALSO certified.

## RESEARCH / CLINICAL TRIALS

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

Aggrenox to Treat Acute COVID-19 (ATTAC-19). ID: NCT04410328. Oct 2020 – Dec 2021.

Principal investigator: Dr Amit Singla

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

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

- 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.
- Co-founded and acquired seed-funding for startup Geneo Medical for further research and development.
- 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 - PRESENT**

- 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 • 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.

## POSTERS, PUBLICATIONS & PRESENTATIONS

### 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.**, 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.

### PUBLICATIONS

1. Asselstine S, **Ly K.**, Chu SA, Sussman S, Kwok A, Olanyian 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. 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. Pending manuscript. Feb 2021.*
4. **Ly K, Khan Z.** *Review of Nonpharmacological Interventions in Managing Depression in the Elderly. JAMDA. Pending Manuscript, submitted April 2021.*

## **PRESENTATIONS**

### **For Clinical / Hospital Staff**

- 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: M&M / QI: Complications of prolonged intubation
- Dec 2020: M&M / QI: Long term complications of SARS CoV-2

### **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

## **LEADERSHIP**

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### **RESIDENT CLASS REPRESENTATIVE • RUTGERS RWJ FAMILY MEDICINE PROGRAM @ CENTRASTATE**

- Residency Council • 2019-2021
- Family Medicine Residency Program: Program Evaluation Committee • 2019-2021

### **MEMBER • VARIOUS • PROGRAM EVALUATION COMMITTEE SUBCOMMITTEES • 2019-2021**

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

### **MEMBER • VARIOUS • CENTRASTATE MEDICAL CENTER HOSPITAL COMMITTEES • 2019-2021**

- Diabetes Committee • CSMC Pharmacy and Therapeutics Committee • CSMC Informatics Advisory Committee • CSMC IT Committee

### **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.

### **ALUMNI • NJIT ALBERT DORMAN HONORS COLLEGE PRE-HEALTH ADMISSIONS COMMITTEE • 2013-2015**

- Mentor and interviewer for honors college, pre-health, accelerated programs
- Worked with admissions committee to promote programs and provide feedback for advancements to school's current program initiatives.

### **EVENT FOUNDER, LEAD ORGANIZER • TEDXNJIT • NEWARK, NJ • 2011-2013**

- Nov '11 Invention to Venture, Mar '12 Sustainability, Apr '13 Connections
- Founder of half day event in hopes of forming a forum to discuss: marketable innovation from NJIT students

and the Newark community, sustainability in urban communities, and digital connections help to build productive networks in urban communities.

- Attracted attention from 78 countries, 20,000 people in first year
- Acted as TED license holder and primary organizer, PR, led marketing and advertising campaign responsible for global publicity, managed budget and finances, and also acted as graphic designer and volunteer coordinator.
- Designed website for event, developed social media campaign to improve visibility and publicity of event in Newark and surrounding community
- Developed an iOS app for event and released to the Apple App Store

#### **PRESIDENT • NATIONAL SOCIETY OF COLLEGIATE SCHOLARS – NJIT CHAPTER • 2012-2013**

- Organized programs and campaigns to engage and expand membership
- Worked closely with the national office to increase visibility of organization on campus and in the - community
- Coordinated programming with local chapters for joint events as well as local high schools for mentoring and pre college programs.
- Hosted and organized campus screening of globally recognized film: Girl Rising and collaborated with student organizations and administration.

#### **SOCIAL MEDIA AMBASSADOR • NATIONAL SOCIETY OF COLLEGIATE SCHOLARS • 2012-2013**

*Remote, Based out of Washington D.C.*

- Worked with the national office on a social network marketing strategy to improve visibility of organization on a national level
- Coordinated advertising and marketing efforts with team of five ambassadors across the country as well as interns at the national office by creating and distributing content online
- Marketed with partners and affiliated companies on promoting programs and increasing visibility

#### **VICE PRESIDENT • DELTA EPSILON IOTA ACADEMIC HONOR SOCIETY • 2011-2013**

- Coordinated and sponsored events with Career Development Services
- Developed programs and events to help students on campus with career related activities such as resume writing and interview skills
- Organized a focus group with Picksie, a local mobile application developer
- Managed emails and the distribution graduation cords

#### **VICE PRESIDENT OF COMMUNICATIONS • OMICRON DELTA KAPPA , NJIT CHAPTER • 2012-2013**

- Produced circle's first newsletter and developed website, released to current and prospective members and alumni/faculty
- Monitors and sends regular notices to membership of updates and notes from regular chapter meetings.
- Developed innovative marketing strategies for promoting programs and events and recruiting new members via social media

#### **TEACHING ASSISTANT • HONORS FRESHMEN SEMINAR • FALL 2011**

- Advised freshmen in the Albert Dorman Honors College with adapting and learning important skills useful for college

- Encouraged positive changes to study habits and time management skills
- Motivated active learning and participation in the campus community

## **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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New Jersey Academy of Family Physicians – Resident; Member • 2019-2021

American Academy of Family Physicians – Resident; Member • 2019-2021

American College of Physicians – Student 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

NJIT Provost's Summer Undergraduate Research Program, Summer 2011

## **HONORS**

Beta Beta Beta Biological Honor Society, Apr 2012

Omicron Delta Kappa National Leadership Honor Society, Mar 2012

National Residence Hall Honorary, Mar 2012

The National Society of Collegiate Scholars, Spring 2011

Delta Epsilon Iota Academic Honor Society, Spring 2011

Dean's List, 2010-2013

## **MORE ABOUT ME**

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### **AREAS OF INTERESTS**

Data and informatics, biotechnology, quality improvement, research, pharmacovigilance

### **OUTSIDE INTERESTS**

Photography, Entrepreneurship, Design, Video production, Piano / Violin

### **EMR PROFICIENCY**

Epic, Cerner Millennium, Cerner Soarian, Allscripts Sunrise Clinical Manager, NextGen, PointClickCare

## **REFERENCES AVAILABLE UPON REQUEST**



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