

- 2019 American Society of Nephrology Travel Award for Network of Minority Health Research Investigators Meeting
- 2019 ASN TREKS Course Preceptor
- 2019 Relypsa Nephrology Grant Awardee
- 2020 American Society of Nephrology KidneyCure Joseph A. Carlucci Fellowship Grant

Activities

1) Residency

- a) **Third Rock Ventures/Goldfinch:** September 2016 - May 2017
 - i) Spent 10 weeks with Third Rock Ventures working specifically with startup company, Goldfinch, interested in developing novel therapeutics guided by precision medicine for kidney disease patients.
 - ii) Identified cohorts of proteinuric patients for Kidney Genome Atlas to identify novel variants in proteinuric kidney disease via whole genome sequencing. Specified clinical criteria for inclusion in registry and evaluation of clinical characteristics of patients.
- b) **American Society of Nephrology Workforce Committee:** September 2011- December 2016
 - i) Selected to be part of an American Society of Nephrology committee to implement new programs to increase interest in Nephrology amongst trainees (students and residents).
 - ii) Participated in the TREKS subcommittee to develop a program to increase medical student interest with lab-based course at MDIBL and mentorship program, Best Practice Subcommittee evaluating residencies with high percentage of graduates entering nephrology, and STARS subcommittee developing programs for students and residents to attend Kidney Week.
- c) **Science in Residency:** July 2014 to June 2017
 - i) Science in Residency leader 2016-2017 working on recruitment and joint research projects.
 - ii) Help organize inaugural Science in Residency lecture series for July 2016 and facilitate a program for residents to explore research opportunities and prepare for careers as basic science and translational investigators.

2) Graduate School

- a) **Student Representative on the Board of Overseers of Weill Cornell Medical College:** July 2006 – July 2009
 - i) Elected by medical and graduate student body at Weill Cornell to serve as the student voice/advocate on the Board of Overseers with full voting privileges. Participated in a number of projects to further student life and education at Weill Cornell.
- b) **Co-Director of Weill Cornell Community Clinic (WCCC):** Feb 2006 – Feb 2007
 - i) Served as Co-Director of WCCC – a student-run clinic that provides primary care services to uninsured patients at little to no cost to the patient. During my tenure, WCCC opened its doors to its first patient in April 2006
- c) **Music and Medicine Initiative:** Dec 2009 – July 2012
 - i) Student Founder of the Music and Medicine group which was a collaboration between Weill Cornell Medical College, Memorial Sloan-Kettering, Rockefeller University and Julliard School of Music to explore the scientific and therapeutic connection between music and medicine resulting in music therapy session in the hospital, benefit concerts, and saloon evenings which included musical performances along with scientific/medical lectures broadly related to the performing arts.

Publications:

- Massaro RC, Lee LW, **Patel AB**, Wu DS, Yu MJ, Scott BN, Schooley DA, Schegg KM, Beyenbach KW. “The mechanism of the antidiuretic peptide Tenmo ADFa in Malpighian tubules of *Aedes Aegypti*”, *Journal of Experimental Biology*, vol. 206, pg 2877-2888. PMID 15235016
- Palmer LG, **Patel AB**, Frindt G. “Regulation and dysregulation of epithelial Na⁺ channels”, *Clinical and Experimental Nephrology*, vol. 16(1), pgs. 35-43. Review. PMID 22038262
- **Patel AB**, Chao J, Palmer LP. “Tissue Kallikrein activation of the Epithelial Na Channel”, *American Journal of Physiology: Renal Physiology*, vol 303(4), pgs. F540-50. PMID 22622459
- **Patel AB**, Frindt G and Palmer LP. “Feedback Inhibition of ENaC during Acute Sodium Loading in vivo” *American Journal of Physiology: Renal Physiology*, vol 204(2), pgs. F222-32. PMID 2317553 (Recommended by Faculty of 1000)
- **Patel AB** and Balzer M. “On Becoming a Nephrologist: Medical Student Ideas to Enhance Interest in a career in Nephrology” Editorial. *American Journal of Kidney Disease*, Published September 2013. PMID 23489676
- Russ JB, McKenney AS, **Patel AB**. “An Identity Crisis: The Need for Core Competencies in Undergraduate Medical Education” Short Communication. *Medical Education Online*, Published April 29th, 2013. PMID 23636108
- **Patel AB**, Yang L, Deng S, Palmer LP. “Feedback Inhibition of ENaC: Acute and Chronic Mechanisms” *Channels (Austin)*, Vol. 8(5), pgs. 444-51. PMID 25483587

- Maursetter LJ, Stern LD, Sozio SM, **Patel AB**, Rao R, Shah HH, Leight K, Okusa MD, Zeidel ML, Parker MG. “Enhancing Nephrology Career Interest through the ASN Kidney TREKS Program” *Journal of American Society of Nephrology*, Vol. 27(6), pgs. 1604-1607. PMID 27026364
- Loewenthal J, **Patel A**, Kurtz R, Piazza G. “Images in Vascular Medicine: A case of Horner’s Syndrome after catheter-based fibrinolysis for pulmonary embolism,” *Vascular Medicine*, Vol. 23(5), pgs. 489-90. PMID 29775165
- Varshney A, Braun DA, **Patel AB**, Yialamas MA. “What was old is new again: learning from the modern master clinician,” *Clinical Teacher*, Vol. 16(3), pgs. 274-276. PMID 30125460
- Sozio SM, Pivert KA, Shah HH, Chakkerla HA, Asmar AR, Varma MR, Morrow BD, **Patel AB**, Leight K, Parker MG. “Increasing Medical Student Interest in Nephrology: A Qualitative Study of Best Practices,” *American Journal of Nephrology*, Vol. 50(1), pgs. 4-10. PMID 31185470
- **Patel AB**, Choi JY, Weins A, Riella LV. “A Chain of Crystals – Brigham and Women’s Pathology Conference”. *Brazilian Journal of Nephrology*, Vol. 42(1), pgs.99-105. PMID 31799982
- Wang X, Liu J, Yin W, Abdi F, Pang PD, Fucci Q-A, Abbott M, Change SL, Steele G, **Patel AB**, Mori Y, Zhang A, Zhu S, Xiao L, Liu T-S, Kibel AS Wang B, Lim K, Siedlecki AM. “mIR-218 Expressed in Endothelial Progenitor Cells Guides Cell Movement in the Development and Repair of the Kidney Microvasculature” *American Journal of Pathology*, Vol. 190(3), pgs. 642-659. PMID: 31972158
- **Patel AB** and Verma A. COVID-19 and Angiotensin-Converting Enzyme Inhibitors and Angiotensin Receptor Blockers; What Is the Evidence?” *Journal of American Medical Association (JAMA)*. Published online March 24th, 2020. PMID: 32208485
- Verma A, **Patel AB**, Upadhyay A, Waikar SS. “CREDENCE: Significant Victory for Diabetic Kidney Disease” *Trends In Endocrinology & Metabolism*. Vol. 31(6), pgs. 391-393. PMID: 32327275
- **Patel AB** and Verma A. “Nasal ACE2 Levels and COVID-19 in Children” *Journal of American Medical Association JAMA. Invited Editorial*. Published on May 20th, 2020. PMID: 32432681
- **Patel AB** and Verma A. “Renin-Angiotensin-Aldosterone System Inhibitors and Impact on COVID-19 Mortality: What’s Next for ACE?” *Clinical Infectious Disease Invited Editorial*. Published on May 22nd, 2020. PMID: 32442259
- Verma A, **Patel AB**, Waikar SS. “SGLT2 Inhibitor: Not a Traditional Diuretic for Heart Failure” *Cell Metabolism*. Vol. 32(1), pgs. 13-14. PMID: 32640243
- **Patel AB**, Verma A, McMahon GM. “Nephrolithiasis from an Unexpected Cause: Phosphaturia” *American Journal of Medicine (Accepted)*.
- Gutowski E and **Patel AB**. Run the List Podcast Series. 2019. Program available at <https://www.runthelistpodcast.com/nephrology>. Episodes on: Hyperkalemia, Hypokalemia, Hyponatremia, Hypernatremia, and Acid/Base

Societies

- American Society of Nephrology (ASN)
- American Physiological Society (APS)

Grants

- NIH Medical Scientist Training Program Grant
- American Society of Nephrology Student Scholar Grant (December 2011 – May 2012)
- Relypsa Nephrology Research Grant (July 2019- June 2020)
- NIH T32 Training Grant (July 2018 – June 2020)
- American Society of Nephrology KidneyCure Joseph A. Carlucci Grant (July 2020 – June 2022)

Board Certification

- Internal Medicine (October 2018 – current)
- Nephrology (October 2019 - current)