

ALEXIS D. LIAKOS

Northeastern University Bouvé College of Health Sciences
School of Clinical and Rehabilitation Sciences: Physician Assistant Program
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EDUCATION

- MS Albany Medical College**, Albany, NY May 2013
Physician Assistant Studies
- BS Vassar College**, Poughkeepsie, NY June 2008
Biology
Graduated with departmental and general honors

HONORS AND AWARDS

- Brigham Health Distinguished Physician Assistant Award** 2021
Recipient of the Brigham & Women's Hospital award for the 2021 year. Awarded to one physician assistant annually for exemplary commitment to excellence in patient care, leadership, and dedication to the institutional mission, vision and core values.
- Phi Alpha Honor Society Member** 2013
National physician assistant honor society recognizing significant academic achievements, leadership, research, and community/professional service.
- Gold Award for Academic Excellence in Clinical Phase Performance** 2013
Physician Assistant Studies, Albany Medical College

TEACHING EXPERIENCE

- Northeastern University**, Boston, MA January 2022 to present
Visiting Assistant Clinical Professor, Physician Assistant Program
- Co-teaching Infectious Diseases in the Principles of Medicine course.
 - Developing quizzes, exams, and homework
 - Co-lead small group projects with physician assistant students
 - Proctor clinical simulations and labs in the Physical Exam and Diagnosis course
- Brigham Health Hospital Medicine Physician Assistant Fellowship** January 2021-present
Instructional Faculty, Boston, MA
- Chief preceptor for the Infectious Diseases rotation, didactic lecturer, and rotation educator.
 - CME credit eligible Didactic Lectures: Pneumonia, Bugs & Drugs, SSTIs

Brigham and Women's Hospital, Boston, MA May 2015 to present
Chief Preceptor, Division of Infectious Diseases Division

- Coordinate physician assistant student rotations with general and immunocompromised Infectious Disease teams
- Primary preceptor for medical and physician assistant students on immunocompromised ID team

CLINICAL EXPERIENCE

Brigham and Women's Hospital Physician Assistant, Boston, MA August 2013- Present
Infectious Diseases Consultant

Associate Chief Physician Assistant, since December 2021

- Physician Assistant lead of the inpatient Hematology/Transplant ID consultation service - caring for leukemia/lymphoma/myeloma, solid tumor, and solid organ and stem cell transplant patients at Brigham and Women's Hospital and Dana-Farber Cancer Institute.
- Content creator for the Immunocompromised section of the BWH Div. of Infectious Diseases Brigopedia website
- Responsible for onboarding and training of new physician assistant hires
- Assist in Infectious Diseases Transplant Fellow education annually

Memorial Sloan-Kettering Cancer Institute, New York, NY May 2008- January 2011
Clinical Practice Assistant

- Clinical practice assistant with phlebotomy privileges caring for patients in the outpatient Melanoma/Sarcoma clinic.

RESEARCH EXPERIENCE

Infectious Disease Vaccine Research Clinic December 2013 – present
Research Clinician

Brigham and Women's Hospital, Boston, MA <https://www.bwhvaxx.org/>

- Co-investigator involved in COVID-19 and HIV vaccine research studies

Brigham and Women's Hospital, Boston, MA June 2019 to November 2021
Per Diem Research Assistant II, Renal Transplant Division

- Patient data collection to evaluate clinical practice trends in the use of antifungal medications

Tufts, Graduate School of Biomedical Sciences, Boston, MA June 2007 to August 2007
Building Diversity in Biomedical Sciences Program undergraduate student

- A mentored, 10-week research intensive experience through the Building Diversity in Biomedical Sciences (BDBS) Program.
- Project: Identification and evaluation of organisms in stool samples from Cholera patients. Skills: PCR, genome BLAST, stats analysis
- Poster presentation at the end of program symposium

CERTIFICATIONS AND LICENSURE

NCCPA Certified	June 2013 - present
MA Physician Assistant Board Licensure	June 2013 - present
Massachusetts Controlled Substances Registration	July 2013 - present
DEA	August 2013 - present
Basic Life Support (BLS/CPR)	April 2013 - present
Advanced Cardiac Life Support (ACLS)	April 2013 - present

PUBLICATIONS

Journal Publications

Powell, M., Sherman, A., Klopfer, J., Desjardins, M., Cheng, C., Senussi, Y., Ratnaparkhi, S., Mitre, X., Feeley, M., Paz, A., Kim, A., Rutherford, H., Cauley, J., Kim, A., Chang, J., Liakos, A., Woolley, A., Walt, D., Baden, L. **Longitudinal Assessment of Immune Responses to COVID-19 Vaccines in Solid Organ Transplant Recipients.** Open Forum Infectious Diseases. S16-S17. 2021

Cheng, M., Orejas, J., Arbona, E., Bold, T., Solomon, I., Chen, K., Pandit, A., Kuzstos, A., Cummins, K., Liakos, A., Marty, F., Koo, S., Hammond, S. **Use of triazoles for the treatment of invasive aspergillosis: A three-year cohort analysis.** Mycoses. vol. 63 no. 1, 2019 pp. 58-64

Pandit, A., Cheng, M., Liakos, A., Treister, N., Baden, L., Issa, N., Marty, F., Hammond, S. **Acyclovir-Resistant (ACV-R) Herpes Simplex Virus (HSV) Disease in Patients with Hematologic Malignancies (HM) and Hematopoietic-Cell Transplant (HCT) Recipients.** Open Forum Infectious Diseases. vol. 5, 2018, S484-S484.

Issa, N., Arbona, E., Nevett-Fernandez, A., Prestes, D., Liakos, A., Woolley, A., Hammond, S., Brown, J., Baden, L., Marty, F. **Opportunistic Infections (OIs) in Patients with Hematologic Malignancies (HM) Treated with Bruton's Tyrosine Kinase (BTK) and Phosphoinositide 3 Kinase (PI3K) Inhibitors: An 8-Year Retrospective Cohort Study.** Open Forum Infectious Diseases. vol. 4, 2017. S699-S699

Smith, R., Muehlenbachs, A., Schaenmann, J., Baxi, S., Koo, S., Blau, D., Chin-Hong, P., Thorner, A., Kuehnert, M., Wheeler, K., Liakos, A., Jackson, J., Benedict, T., da Silva, A., Ritter, J., Rollin, D., Metcalfe, M., Goldsmith, C., Visvesvara, G., Zaki, S. **Three Cases of Neurologic Syndrome Caused by Donor-Derived Microsporidiosis.** Emerging Infectious Diseases. Vol. 23, 2017, pp. 387-395

Farmakiotis, D., Liakos, A., Miller, M., Krane, J., Baden, L., Hammond, S. **An Avid Imitator.** Journal of Clinical Medicine Research. vol. 8, 2016, pp. 257-259

Consortium Authorships

Baden, L.R., El Sahly, H. M., Essink, B., Kotloff, K., Frey, S., Novak, R., Diemert, D., Spector, S. A., Rouphael, N., Creech, C. B., McGettigan, J., Khetan, S., *et al.*, for the COVE Study Group. **Efficacy and Safety of the mRNA-1273 SARS-CoV-2 Vaccine.** N Engl J Med 2021; 384:403-416. (*as a sub-I in the BWH COVE study group under Dr. Lindsey Baden*)

Goldman, J. D., Lye, D., Hui, D.S., Marks, K. M., Bruno, R., Montejano, R., Spinner, C., Galli, M., Ahn, M., Nahass, R. G., Chen, Y., SenGupta, D., *et al.*, for the GS-US-540-5773 Investigators. **Remdesivir for 5 or 10 Days in Patients with Severe Covid-19.** N Engl J Med 2020; 383:1827-1837 (*supplementary appendix, sub-I in the BWH study group under Dr. Francisco Marty*)

Woolley, A., Singh, S. K., Goldberg, H. J., Mallidi, H. R., Givertz, M. M., Mehra, M. R., Coppolino, A., Kuzstos, A. E., Johnson, M. E., Chen, K., Haddad, E., Fanikos, J., *et al.*, for the DONATE HCV Trial Team. **Heart and Lung Transplant from HCV Infected Donors.** N Engl J Med 2019; 380:1606-1617 (*Brigham and Women's Hospital Study team member under Dr. Ann Woolley*)

Posters & Abstracts

Woolley, A., Farmakiotis, D., Liakos, A., Issa, N., Koo, S., Baden, L., Marty, F., Hammond, S. **Temporal Trends in Stem Cell Transplant and Hematologic Malignancy Patients With Mucormycosis, 2001–2014.** Open Forum Infectious Diseases. vol. 2, 2015, pp. 1211

Farmakiotis, D., Kubiak, D., Liakos, A., Woolley, A., Issa, N., Hammond, S., Marty, F., Baden, L., Koo, S. **Comparison of Clinical Characteristics and Outcomes Between Candidemic Patients with Positive and Negative β -d-Glucan.** Open Forum Infectious Diseases. 2015; 2:71–536

Smith, R., Blau, D., Schaenman, J., Baxi, S., Koo, S., Chin-Hong, P., Thorner, A., Liakos, A., Kuehnert, M., Wheeler, K., Jackson, J., Benedict, T., Dasilva, A., Ritter, J., Muehlenbachs, A., Rollin, D., Metcalfe, M., Visvesvara, G., Basavaraju, S., Zaki, S. **An Uncommon Cause of Donor-Derived Central Nervous System Infection in Multiple Organ Transplant Recipients.** Open Forum Infectious Diseases. vol 2, 2015 S.199

Journal Papers in Review

Weiss, Z. F. M.D., DiCarlo, J. E. M.D., Basta, D. W. M.D., Kent, S., Liakos, A. PA-C., Baden, L. R. M.D., Brigl, M. M.D., Kanjilal, S. M.D., Basu, S. M.D. **Hidden in Plain Sight: Urinary Cryptococcus neoformans Missed by Conventional Diagnostics.** Submitted to: Journal of Microbiology. December 2021

PRESENTATIONS AND INVITED LECTURES

Speaker at Current Trends for the Oncology Advanced Practice Clinician Annual Conference

Dana-Farber Cancer Institute, Boston, MA

November 2018, 2019, 2020, and 2021

Topics: Updates in Infectious Diseases, COVID-19 (2020 and 2021)

CME awarded

Dana-Farber Inpatient Physician Assistant Grand Rounds presenter

Dana-Farber Cancer Institute, Boston, MA

Topic: Management of Fungal Infections in Hematologic Malignancy Patients

CME awarded, August 2021

Speaker, Dana-Farber Physician Assistant Education Support

Dana-Farber Cancer Institute, Boston, MA

Present and teach infectious disease topics and overview to Inpatient DFCI PAs intermittently throughout the year

- COVID-19 lecture and updates. 3 presentations in 2020 to inpatient PAs
- Overview of Infectious Diseases presenter to outpatient DFCI PAs in 2017
- Fundamentals of Interpreting microbiology results in 2015, 2017, 2019, 2021

Presenter, Emergency Physician Assistant Education Series

Brigham and Women's Hospital, Boston, MA

Topic: What You Need to Know About COVID-19 and the Virus That Causes It

Series coordinator: Michelle Greer, PA-C. April 2020

Speaker for Association of Physician Assistants in Oncology

Annual Conference, Boston, MA August 2019

Topic: Infectious Diseases in Immunocompromised Hosts

CME awarded

Speaker, Joint Grand Rounds

Brigham and Women's Hospital/Dana-Farber Cancer Institute, Boston, MA

Topic: Pneumonia

CME awarded, September 2015

PROFESSIONAL DEVELOPMENT TRAINING

Diagnosing Conflict: Exploring Sources, Internal Reactions, and Tips to Address Conflict in Teams

Massachusetts General Hospital Institute of Health Professions

Charlestown, MA October 2021

Rapid Onboarding Driving Team Effectiveness

Brigham and Women's Hospital, Boston, MA November 2020

AAPA Executive Leadership Conference

Association of Physician Assistants Virtual Conference, November 2021

PROFESSIONAL ORGANIZATIONS & AFFILIATIONS

American Academy of Physician Assistants (AAPA), August 2011 - present

Infectious Diseases Society of America (IDSA), September 2019 - present

Massachusetts Association of Physician Assistants (MAPA), September 2019 - present

Association of Physician Assistants in Oncology (APAO), August 2019 - present

PROFESSIONAL SERVICE & COMMITTEES

Member

Mass General Brigham Senior Physician Assistant Work Group, May 2021 - present
Focus group to restructure and develop the Brigham Health PA career ladder

Club Lead

Brigham Health Physician Assistant Book Club, August 2019 - present
A branch of the Brigham Health Physician Assistant Wellness Committee

Case Conference Co-Director

Brigham and Women's Hospital Division of Infectious Diseases January 2020 - present
Course Director: Lindsey Baden, MD
Weekly ID conference, CME awarded

COMMUNITY SERVICE

Student Success Jobs Program

Brigham and Women's Hospital established program to address the need for health professionals from traditionally underrepresented backgrounds and to provide mentorship to students at the high school level.

Member, Boston, MA. December 2021 – present

