

# Rebecca DiBiase, MD, MPH

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## **Education:**

**Doctor of Medicine**, August 2014-May 2019

Johns Hopkins School of Medicine  
Baltimore, MD

**Master of Public Health**, July 2017-May 2018

Concentration: Epidemiology & Biostatistics  
Johns Hopkins Bloomberg School of Public Health  
Baltimore, MD

**Bachelor of Arts**, August 2009-August 2013

*Magna Cum Laude*  
Double Majors: International Relations & Biology  
Tufts University  
Boston, MA

## **Medical Training:**

**Vascular Neurology Fellowship**, July 2023-June 2024

University of California San Francisco  
San Francisco, CA

**Neurology Residency**, July 2020-June 2023

Academic Chief Resident  
McGaw Medical Center of Northwestern University  
Chicago, IL

**Internal Medicine Internship**, July 2019-June 2020

McGaw Medical Center of Northwestern University  
Chicago, IL

## **Work Experience:**

**Assistant Professor**, September 2024-Present

Yale School of Medicine  
Department of Neurology  
Division of Stroke and Neurovascular Medicine  
New Haven, CT

**Varsity Softball Head Coach**, February 2018-May 2018

Saint Timothy's High School  
Baltimore, MD

**Varsity Softball Assistant Coach**, September 2013-May 2014

Dana Hall High School  
Wellesley, MA

**Ambulatory Services Representative**, September 2013-July 2014

Boston Children's Hospital  
Waltham, MA

### **Awards:**

Medical Student Teaching Awards, 2021, 2022, & 2023  
Partner in Care Award from Northwestern Neurology Nursing Staff, 2023  
Sally Marcinek Compassionate Care Award, 2021  
Northwestern Emergency Department Consulting Resident of the Year Award, 2021  
AAN Medical Student Prize for Excellence in Neurology, 2019  
Best Presentation Award at the Johns Hopkins Institute for Excellence in Education Conference, 2019  
Translational Science Conference Blue Ribbon Award, 2018  
High Honors Award for Global Health Research Thesis on Medical Care in Guatemala, 2013  
Phi Beta Kappa, 2013

### **Grants/Scholarships:**

Goldberg Scholarship, 2023  
AAN Futures in Neurologic Research Scholarship, 2021  
AAN Global Health Travel Award, 2019  
ANA Conference Travel Scholarship, 2018  
Burroughs Wellcome Fund Award for Clinical Research, 2018  
NIH TL1 Clinical Research Grant, 2017-2018

### **Scholarly Projects:**

#### **Subarachnoid Hemorrhage Opiate Use Quality Improvement Project, San Francisco, CA, July 2023-Present**

- Collected data on opiate prescribing practices for patients with headaches related to subarachnoid hemorrhage
- Designed and presented educational materials for interdisciplinary providers about opiate-sparing techniques of headache management
- Designed an EMR dot phrase to help providers better monitor and intervene on opiate prescribing in this patient population; decreased opiate prescribing by 50% was subsequently seen
- Presented results at the UCSF Health Improvement Symposium

#### **VERIFY Trial StrokeNet Sub-Investigator, San Francisco, CA, January-June 2024**

- Completed training in transcranial magnetic stimulation (TMS) and other trial protocols
- Participated in forums with national investigators to discuss protocol modifications and specifications
- Actively recruited study participants, including the first participant enrolled at the University of California San Francisco

#### **Zambian Neurology Post-Graduate Training Program Development, Lusaka, Zambia, February 2019-May 2022**

- Spent 1 month in Zambia during medical school and returned for 1 month during residency
- Completed clinical neurology electives during both trips
- Designed and implemented an Objective Structured Clinical Examination ("OSCE") curriculum modified to function in a resource-limited setting
- Conducted a systematic analysis including qualitative and quantitative research to evaluate the neurology training program and identify areas for curriculum growth

#### **Global Health Scholars Certificate Program, Chicago, IL, August 2020-June 2022**

- Attended monthly lectures and clinical simulations, led 2 global health journal clubs, and completed a scholarly global health project with field research in Zambia as detailed above

#### **Neurocritical Care Education Project for Medical ICU Fellows, Chicago, IL, June 2021-April 2022**

- Designed an educational video lecture for medical ICU fellows on the fundamentals of caring for patients with neuromuscular disorders

- Created and used pre- and post-tests to measure project outcomes at 3 academic U.S. training institutions that adopted the curriculum

**Osler Apprenticeship Program**, Baltimore, MD, May 2018-May 2019

- Worked with the Johns Hopkins Department of Neurology to develop neurologic education teaching tools including an EBook on neuroanatomy
- Mentored an undergraduate student as part of the experience

**Parity and Risk of Dementia Epidemiologic Study**, Baltimore, MD, August 2017-July 2023

- Collaborated with neurologists at Johns Hopkins Hospital and New York-Presbyterian/Columbia University Medical Center to explore the association between parity and dementia risk using the ARIC database
- Culminated in a master's degree thesis and publication

**Drum Tower Hospital Residency Program Project**, Nanjing, China, September 2017-June 2018

- Collaborated with physicians from Johns Hopkins Hospital and Drum Tower Hospital to restructure a residency program in Nanjing, China based on ACGME milestones
- Traveled to China to compile a comprehensive review of the program using quantitative and qualitative data

**Bezmialem University Scholarly Concentrations Project**, Istanbul, Turkey, September 2017-May 2020

- Collaborated with physicians from Johns Hopkins Hospital and Bezmialem University to implement a research skills module and Scholarly Concentrations program in Istanbul, Turkey
- Traveled to Istanbul to facilitate small group work and give a research methods presentation as part of the module

**Medical Student Achievement in Research Self-Efficacy Project**, Baltimore, MD, August 2017-August 2020

- Compiled and analyzed student feedback data to evaluate the Scholarly Concentrations program at the Johns Hopkins School of Medicine

## **Leadership/Volunteer Experience:**

**Northwestern Neurology Chief Resident**, Chicago, IL, March 2022-June 2023

- Designed and implemented the 2022-2023 residency didactic curriculum
- Recruited weekly speakers from other institutions to present Grand Rounds at Northwestern and introduced them to the department

**Northwestern Neurology Wellness Liaison**, Chicago, IL, April 2021-April 2022

- Designed the monthly department newsletter
- Planned and led the annual wellness retreat and implemented wellness activities throughout the year

**Johns Hopkins Biomedical Odyssey Blog Writer & Editor**, Baltimore, MD, November 2017-May 2019

- Wrote multiple reflective and narrative medicine pieces for a creative writing blog
- Was appointed to an editorial leadership position

**International Volunteer Headquarters Volunteer**, Lima, Peru, January 2018

- Spent 2 weeks volunteering at various medical clinics in Peru

**Foundation for International Medical Relief Volunteer**, Santa Ana, Costa Rica, March 2017

- Spent 2 weeks volunteering at a rural medical clinic in Costa Rica and mentoring undergraduate volunteers

**Children of the Americas, Inc. Medical Spanish Interpreter**, Retalhuleu, Guatemala, January 2013

- Spent 1 week volunteering as a medical Spanish interpreter on a medical relief trip to a Guatemalan hospital

**Tufts Timmy Global Health Leader**, Quetzaltenango, Guatemala, September 2010-May 2013

- Led students and an interdisciplinary team of providers on a medical volunteer trip to rural Guatemala
- Worked on an initiative to implement a community-based water purification system
- Conducted field research and completed a senior honors thesis on the Guatemalan healthcare system

**Varsity College Softball Player**, September 2009-May 2013

- Was appointed captain of the 2013 national championship team
- Received 3 personal All-Academic Athlete recognitions

## **Scholarly Products:**

### **Peer-Reviewed Publications:**

1. **DiBiase, R.M.**, Gottesman, R.F., Tom, S.E., Walker, K.A., Mosley, T., Lutsey, P.L., Miller, E.C. *Parity and risk of dementia in women: the Atherosclerosis Risk in Communities Study*, Journal of Women's Health, 2023.
2. Stamm, B., **DiBiase, R.M.**, Lee, J., Primdahl, D., Malavia, T., Dixit, K., Horbinski, C., Kostecky, N., Potts, M.B., Caprio, F.Z., Bernstein, R.E., Urdy, S. *A woman with multifocal ischemic strokes and progressive cognitive impairment due to intravascular lymphoma*, Stroke, 2023.
3. Stamm, B., **DiBiase, R.M.**, Harris, G., Kaprielian, H., Brahmbhatt, N., Wu, A.D., Baker, J., & Liotta, E.M. *Clinical Reasoning: A young adult man with cognitive changes, gait difficulty and renal insufficiency*, Neurology, 2022.
4. Graham, E.L., Clark, J.R., Orban, Z.S., Lim, P.H., Szymanski, A.L., Taylor, C., **DiBiase, R.M.**, Jia, D.T., Balabanov, R., Ho, S.U., Batra, A., Liotta, E.M., Korolnik, I.J. *Persistent neurologic symptoms and cognitive dysfunction in non-hospitalized Covid-19 "long haulers"*, Ann Clin Transl Neurol;8(5):1073-1085, May 2021.
5. **DiBiase, R.M.**, Beach, M.C., Carrese, J.A., Haythornthwaite, J.A., Wheelan, S.J., Atkinson, M.A., Geller, G., Gebo, K.A., Greene, J.A. & Sozio, S.M. *A medical student scholarly concentrations program: scholarly self-efficacy and impact on future research activities*, Medical Education Online, 25:1, 2020.
6. Sozio, S., Kazancioğlu, R., Küçükduymaz, F., Arici, D.S., **DiBiase, R.M.**, Greene, J., Beach, M.C. *Transforming a U.S. scholarly concentrations program internationally: lessons learned*, BMC Med Educ 19: 115, 2019.
7. **DiBiase, R.M.**, Salas, R.M.E., Gamaldo, C.E., Nutakki, A., Elicer, I., Attarian, H.P., Kapembwa, K., Strowd, R.E., Tackett, S., Saylor, D.R. *Implementation and Evaluation of an Objective Structured Clinical Examination (OSCE) Tool for Neurology Post-Graduate Trainees in Lusaka, Zambia*, Neurology, Resident & Fellow Section, April 2021.

### **Oral Presentations:**

1. **DiBiase, R.M.** *Medical Education & Neurology Across the Globe*; University of Chicago Neurology Grand Rounds; 2023 November 29; Virtual.
2. **DiBiase, R.M.** *Case of a 51-year-old man with 6 months of neuropsychiatric symptoms and subjective "weakness" in Lusaka, Zambia*; Northwestern Neurology Grand Rounds; 2022 October 27; Chicago, IL.
2. **DiBiase, R.M.** *Seizure in a Neurologically Complex Patient*; NRSP Conference, 2021 November 19; Minneapolis, MN.
3. **DiBiase, R.M.** *A 72-year-old man presenting with subacute headache, intermittent mood changes, and visual hallucinations*; Penry Conference, 2021 September 21; Winston Salem, NC.

4. **DiBiase, R.M.** *Experiences in International Medical Education: Lessons Learned & Future Directions*; Northwestern Neurology Grand Rounds; 2021 March 4; Chicago, IL.
5. **DiBiase, R.M.** *Implementation & Evaluation of an Objective Structured Clinical Examination (OSCE) Tool for Neurology Post-Graduate Trainees in Lusaka, Zambia*; Zambia Neurology Research Symposium; 2020 October 8; Lusaka, Zambia.
6. **DiBiase, R.M.,** Cashman, C., Carter, R., Strowd, R., Gamaldo, C., Salas, R. *10-Minute Neuroanatomy: An Innovative Resource for Addressing Neuophobia Among Medical Students*; IEE Medical Education Conference; 2019 April 12; Baltimore, MD.
7. **DiBiase, R.M.** *From Student to Attending: An Overview of Training in the United States using Neurology as a Case Study*; Drum Tower Hospital; 2018 May 15; Nanjing, China.
8. **DiBiase, R.M.,** Hoon, A., Stashinko, E., Pillion, J. *Novel Diagnostic Methods to Explore the Etiology of Central Auditory Processing Disorders in a Pediatric Population*; Pediatric Medical Student Research Forum; 2017 September 2; Orlando, FL.

## Poster Presentations:

1. **DiBiase, R.M.,** Neale, N., Burt, M., Wong, S., Trillanes, M., Ko, N., Waung, M., Vassar, R. *Decreased Opiate Prescribing in Subarachnoid Hemorrhage*; 8<sup>th</sup> Annual UCSF Health Improvement Symposium; May 31; San Francisco, CA.
2. **DiBiase, R.M.,** Chiwaya, N., Giauque, T., Saylor, D. *Patient Feedback for a Neurology Specialty Clinic with a "Provider Continuity" Model in Lusaka, Zambia*; AAN Annual Meeting; April 2023; Boston, MA.
3. **DiBiase, R.M.,** Sinkala, E., Sitali, J., Tackett, S. *Evaluation of Three Cohorts of the First Neurology Postgraduate Training Program in Zambia*; AAN Annual Meeting; April 2023; Boston, MA.
4. **DiBiase, R.M.,** Salasky, V., Saylor, D. *Evaluating the Experience of Visiting International Providers on Local Neurology Trainees in a Resource-Limited Setting*; AAN Annual Meeting; April 2023; Boston, MA.
5. **DiBiase, R.M.,** Bauknight, W., Cao, T., Carroll, K., Cherayil, N. *A Novel Curriculum to Teach Occipital Nerve Blocks to Neurology Residents*; ANA Annual Meeting; October 2022; Chicago, IL.
6. **DiBiase, R.M. & Kaufman, L.** *A Novel Interdisciplinary Education Tool on Neuromuscular Respiratory Failure*; AAN Annual Meeting; April 2022; virtual conference.
7. **DiBiase, R.M.** *The Changing Scope of Medical Education in China: A Collaborative Pilot Program of Competency-Based Residency Training in a Large Academic Medical Center*; Global Health Day; December 2021; virtual conference.
8. **DiBiase, R.M.,** Salas, R. M., Gamaldo, C.E., Nutakki, A., Elicer, I., Attarian, H.P., Kapembwa, K.C., Strowd, R.E., Tackett, S., Saylor, D.R. *Implementation and Evaluation of an Objective Structured Clinical Examination (OSCE) Tool for Neurology Post-Graduate Trainees in Lusaka, Zambia*; ANA Annual Conference; October 2021; virtual conference.
9. **DiBiase, R.M.,** Wu, A., Knopman, D., Walker, K., Mosley, T., Lutsey, P., Wong, D., Zhou, Y., Gottesman, R. *Gravidity & Parity: Their Association with Cognitive Impairment & Amyloid Plaque Deposition*; ANA Annual Conference; October 2018; Atlanta, GA.
10. **DiBiase, R.M.,** Wu, A., Knopman, D., Walker, K., Mosley, T., Lutsey, P., Gottesman, R. *The Effects of Gravidity and Parity on Risk of Cognitive Impairment and Amyloid Plaque Deposition*; Translational Science 2018; 2018 April 19; Washington, D.C.

11. **DiBiase, R.M.**, Kazancıoğlu, R., Küçükduymaz, F., Arici, D.S., Greene, J.A., Beach, M.C., Sozio, S.M. *Translating a Scholarly Concentrations Program Internationally with Attention to Cultural Context*; Global Health & Innovation Conference; 2018 April 14; New Haven, CT.

12. **DiBiase, R.M.**, Millay, A., Cruz, C. *The Coexistence of Traditional Mayan Medicine and Western Biomedicine in a Pluralistic Guatemalan Healthcare System*; 2017 AMA Research Symposium; 2017 November 10; Honolulu, HI.

13. **DiBiase, R.M.**, Beach, M.C., Bass, E., Friedman, D., Geller, G., Carrese, J., Gebo, K., Atkinson, M., Packard, R., Haythornthwaite, J., Greene, J.A., Wasserman, C., Sozio, S.M. *Medical Student Achievement in Scholarship Self-Efficacy and the Impact on Future Research Activities*; 2017 AAMC Annual Learn Serve Lead Meeting; 2017 November 3; Boston, MA.

### **Teaching Presentations:**

1. *Moyamoya Disease & Syndrome* – for Vascular Neurology & Neurocritical Care fellows & faculty, February 27, 2024

2. *Infectious Etiologies of Stroke* – for Vascular Neurology & Neurocritical Care fellows & faculty, January 9, 2024

2. *Complications of Subarachnoid Hemorrhage* - for Neuro-Interventional Radiology fellows, July 14, 2023

2. *Cognitive Impairment & Dementias* - for Psychiatry residents, May 31, 2023

3. *Assessing Patients with Neuromuscular Concerns in the ED* –for ED advanced practice providers, May 24, 2023

4. *Under Attack: Encephalitis Considerations* –for Northwestern Neuroscience Nursing Symposium, May 19, 2023

5. *Sleep Neurology* –for Psychiatry residents, May 3, 2023

6. *Neurologic Emergencies* –for graduating Northwestern medical students, April 25, 2023

7. *Autoimmune & Paraneoplastic Disorders* – for Neurology nurses, February 22, 2023

8. *Internal Medicine Board Review, Neurology Questions* – for Internal Medicine residents, January 10, 2023

9. *Blood Pressure Management in Stroke Patients* – for Neurology nurses, August 24, 2022

10. *Neurologic Exam Findings & Clinical Correlates* – for Psychiatry residents, June 22, 2022

11. *TIMELESS: Tenecteplase in Stroke* –for Neurology nurses, January 19, 2022

### **Journal Peer Reviews:**

*Neurology*, guest reviewer

*European Journal of Neurology*, guest reviewer

### **Professional Society Memberships:**

American Neurological Association

American Academy of Neurology

American Heart Association

### **Languages:**

English: fluent

Spanish: conversational; adept in medical interpretation