

CURRICULUM VITA

Trenton Honda PhD, MMS, PA-C

Associate Dean | Clinical Professor | Director of Research

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EDUCATION

- PhD Population Health (Major: Environmental Epidemiology, Minor: Biostatistics)
Northeastern University
Boston, MA
- MMS Medical Science
St. Francis University
Loretto, PA
- PA Physician Assistant Studies Certificate (*Valedictorian*)
Moreno Valley College
Moreno Valley, CA
- BA Religious Studies, (*Magna Cum Laude, Phi Beta Kappa*)
California State University
Long Beach, CA

ACADEMIC APPOINTMENTS

- 2021-present **Associate Dean**
School of Clinical and Rehabilitation Sciences (SoCRS)
Bouvé College of Health Science
Northeastern University, Boston, MA.
- 2020-present **Clinical Professor & Director of Research**
Department of Medical Sciences
Bouvé College of Health Science
Northeastern University, Boston, MA.
- 2020-present **Adjunct Associate Professor**
Division of Public Health
Department of Family and Preventive Medicine
University of Utah School of Medicine, Salt Lake City, UT.

- 2018-2020 **Associate Professor & Division Chief**
 Division of Physician Assistant Studies
 Department of Family and Preventive Medicine
 University of Utah School of Medicine, Salt Lake City, UT.
- 2016-2018 **Assistant Clinical Professor & Program Director**
 Master of Science in Physician Assistant Studies Program
 Bouvé College of Health Science
 Northeastern University, Boston, MA.
- 2015-2016 **Assistant Clinical Professor & Acting Program Director**
 Master of Science in Physician Assistant Studies Program
 Bouvé College of Health Science
 Northeastern University, Boston, MA.
- 2014- 2015 **Assistant Clinical Professor & Associate Program Director**
 Bouvé College of Health Science
 Master of Science in Physician Assistant Studies Program
 Northeastern University, Boston, MA.
- 2013- 2014 **Assistant Clinical Professor & Director of Didactic Education**
 Bouvé College of Health Science
 Master of Science in Physician Assistant Studies Program
 Northeastern University, Boston, MA.

CLINICAL TEACHING APPOINTMENTS

- 2011-2013: **Assistant Clinical Professor and Clinical Preceptor (WOS)**
 Family Medicine and Occupational Medicine Nurse Practitioner Program
 University of California, Los Angeles, Los Angeles, CA.
- 2008-2011 **Clinical Preceptor (WOS)**
 Family Medicine and Occupational Medicine Nurse Practitioner Program
 University of California, Los Angeles, Los Angeles, CA.

LEADERSHIP/ADMINISTRATION AND PROGRAM DEVELOPMENT

Educational Leadership/Administration

- ❖ **Associate Dean** School of Clinical and Rehabilitation Sciences (SoCRS). Northeastern University. 2021-Present.
 - Leadership and administration of a School comprised of >70 FT faculty and >10 FT staff at an R1 research institution consisting of the following departments and units:

- Department of Communication Sciences and Disorders
 - Master of Science in Speech Language Pathology program
 - Bachelor of Science in Speech Language Pathology program
 - Early Intervention Program
 - Speech Language and Hearing Center
- Department of Physical Therapy, Movement, and Rehabilitation Sciences
 - Post-bac Doctor of Physical Therapy program
 - Entry-level Doctor of Physical Therapy program
 - Transitional Doctor of Physical Therapy program
 - MS in Human Movement and Rehabilitation Science
 - PhD in Human Movement and Rehabilitation Science
 - Sports Physical Therapy Clinical Residency Program
 - Certificate of Advanced Study in Orthopedic Physical Therapy
 - Minor in Human Movement and Rehabilitation Sciences
- Department of Medical Sciences
 - Doctor of Medical Science Program
 - Master of Science in Physician Assistant Studies Program
 - MSPAS/Master of Public Health Dual Degree Program
 - MSPAS/Master of Science in Health Informatics Dual Degree Program
- Administrative and Leadership Duties:
 - Leading the creation of School bylaws.
 - Leading the School strategic planning process.
 - Providing mentorship and leadership to a team of assistant deans, department chairs, and staff leaders.
 - Providing budgetary guidance and oversight.
 - Leading strategic program growth, development, and innovation around the education of future transdisciplinary healthcare leaders and researchers.
 - Advancement of giving and development.

❖ **Division Chief** Division of Physician Assistant Studies. University of Utah Department of Family and Preventive Medicine. 2018-2020.

- Divisional Offices/Programs/Initiatives: Leadership and administration of an academic medicine division at an R1 research institution comprised of:
 - University of Utah Physician Assistant Program (UPAP): A nationally-renowned PA program ranked #2 among public institutions and #4 among all institutions, with two educational sites (Salt Lake City, UT; St. George, UT).
 - South Main Clinic: A clinical primary care enterprise devoted to the provision of high-quality healthcare to an underserved population.
 - Global Partners: A mission-driven global health education initiative funded by corporate donations, devoted to interdisciplinary education and clinical skills development in developing countries.
 - International Clinical Education: A program consisting of three international partnerships to provide international clinical education to PA and MD students in the practical and theoretical provision of medical care in: 1) Thailand, 2) Nepal, 3) Guatemala.

- Research Program: A program comprised of 3 faculty, 2 post-doctoral scholars, and 1 research analyst. The program faculty and staff apply for and administer grants and conduct original research in environmental health, health services and workforce, and graduate medical education.
- Administrative and Leadership Duties:
 - Overseeing and leading the strategic planning process.
 - Providing mentorship and leadership to a team of five program directors, 20 full-time faculty, 10 full-time staff, and more than 100 part-time and adjunct faculty.
 - Balancing and administering a multi-million dollar annual budget.
 - Leading strategic program growth, development, and innovation around the education of future clinical and transdisciplinary healthcare leaders and researchers.
 - Advancing giving and development.
- ❖ **Program Director.** Physician Assistant Program. Northeastern University Bouvé College of Health Sciences, 2015-2018. Direct graduate medical program overseeing 80 students completing a rigorous, 103 credit MS degree.
 - Administrative and Leadership Duties:
 - Overseeing and leading the strategic planning process.
 - Providing mentorship and leadership to 7 full and >50 part-time faculty & 3 full-time staff.
 - Administration of a multi-million dollar annual budget.
 - Maintenance of program accreditation.
 - Oversight of admissions, curriculum, and strategic program growth.

Educational Program Development

1. **MSPA/MPH Dual Degree Program. Northeastern University Bouvé College of Health Sciences.** Designed and developed, in coordination with public health faculty and leadership, an innovative dual degree program whereby students are able to earn an MS in Physician Assistant Studies and a Master of Public Health degree in 33 months. Curriculum design included the development of transdisciplinary practicum and capstone projects as well as a comprehensive assessment plan. Curriculum was approved by the College of Health Sciences, Northeastern University Board of Trustees, and was acknowledged by the Accreditation Review Commission on Education of the Physician Assistant. First students enrolled in January 2017.
2. **MSPA/MSHI Dual Degree Program. Northeastern University Bouvé College of Health Sciences.** Designed and developed, in coordination with health informatics faculty and leadership, an innovative dual degree program whereby students are able to earn an MS in Physician Assistant Studies and a Master of Science in Health Informatics degree in 33 months. Curriculum design included the development of transdisciplinary practicum and capstone projects as well as a comprehensive assessment plan. Curriculum was approved by the College of Health Sciences, Northeastern University Board of Trustees, and was acknowledged by the Accreditation Review Commission on Education of the Physician Assistant. First students enrolled in January, 2018.

3. **PA Leadership and Management Certificate Program. Northeastern University Bouvé College of Health Sciences and American Association of Physician Assistants (AAPA).** Collaborated with faculty member Bianca Belcher MPH, PA-C and AAPA staff, on the development of an innovative, collaborative certificate program whereby graduate PAs and NPs are able to earn a certificate program in clinical leadership and management. My primary role was to work in concert with the primary curriculum designer to meet all necessary college requirements, oversee the development of an MOU and contract between the college and AAPA, and support and advocate for the program as it moved through the University administrative approval process. Curriculum was approved by the College of Health Sciences and the Board of Trustees at Northeastern University. First students enrolled in August, 2018.
4. **Doctor of Medical Science (DMSc) Program in Healthcare Leadership.** Collaborated with Northeastern faculty members Carey Barry PA-C and Robert Baginski MD on the development and launch of an innovative, fully online professional doctoral degree designed to address the growing need for professionals from all healthcare disciplines to gain novel and transdisciplinary skill sets that prepare them as emerging leaders in the healthcare environment of the future. The degree consists of core coursework in healthcare leadership and research methods and allows students to specialize in one of the following tracks: Health Informatics, Health Informatics Research, Health Law, Business Management, Public Health, Pharmacy and Health Systems Science, and Interdisciplinary Healthcare. Curriculum was approved by the College of Health Sciences and the Board of Trustees at Northeastern University. First students to enroll in August 2022.

SCHOLARSHIP AND RESEARCH

My research falls into two general thematic areas: epidemiology, and biomedical education. Within epidemiology, my work focuses on identifying and quantifying the health effects of air pollution, temperature, epidemics, and the built environment. My research is enhanced by my clinical expertise and by my role as a leader in graduate medical education. Within biomedical education, I regularly publish and present on student and program evaluation, application of quantitative methods in biomedical education research, and disparities in physician assistant education.

Refereed Articles/Original Research:

1. **Honda, T.***, Pun, V., Manjourides, J., Suh, H. *Anemia Prevalence and Hemoglobin Levels are Associated with Long-Term Exposure to Air Pollution in an Older Population.* Environment International (2017). <http://dx.doi.org/10.1016/j.envint.2017.01.017>
2. **Honda, T.***, Eliot, M., Eaton, C. B., Mu, L., Suh, H., Szpiro, A., Kaufman, J., Vedal, S., Whitsel, E., Wellenius, G. A. *Long-term exposure to residential ambient fine and coarse particulate matter and incident hypertension in post-menopausal women.* Environment International (2017). <https://doi.org/10.1016/j.envint.2017.05.009>
3. **Honda, T.***, Pun, V., Manjourides, J., Suh, H. *Associations between long-term exposure to air pollution, glycosylated hemoglobin and diabetes.* International Journal of Hygiene and Environmental Health (2017). <https://doi.org/10.1016/j.ijheh.2017.06.004>

4. **Honda, T.***, Scott, R., Baginski, R., Patel, D. *Admissions Variables: Predictors of Physician Assistant Student Success*. Journal of Physician Assistant Education (2018). doi:10.1097/JPA.0000000000000212
5. **Honda, T.***, Pun, V., Manjourides, J., Suh, H. *Associations of long-term fine particulate matter exposure with prevalent hypertension and increased blood pressure in older Americans*. Environmental Research (2018). <https://doi.org/10.1016/j.envres.2018.02.008>
6. **Honda T.***, Barry, C., Buchs, S., Garbas, B., Hibbard, S., McLellan, A., Riethle, T., Swanchak, L. *Considerations around predicting PANCE scores from PACKRAT™: A Multi-Program Study*. Journal of Physician Assistant Education (2019). doi: 10.1097/JPA.0000000000000256
7. Yuen, C., **Honda, T.** *Predicting Physician Assistant Program Matriculation Among Diverse Applicants: The Influences of Underrepresented Minority Status, Age, and Gender*. Academic Medicine (2019). doi: 10.1097/ACM.00000000000002717
8. White, S., Cooper, C., **Honda, T.**, Walker, L., Riethle, T., Murphy, R., Hixon, J., Altongy-Magee, K., Milch, C., Berkowitz, O. *Adopting Graduate Competencies in Opioid Prescribing for Massachusetts PA Programs: A Statewide Public Health Response*. Journal of Physician Assistant Education (2019). doi: [10.1097/JPA.0000000000000276](https://doi.org/10.1097/JPA.0000000000000276)
9. Buchs, S., **Honda T.**, Coombs, J., Statler, M., Murfin, M., Garbas, B., Mazur, Z., Duffy, D., Moloney-Johns, A., Baginski, R., Thurnes, T. *PAEA End of Rotation Exams accurately identify students at risk of PANCE failure: a multi-centered study using scaled scores*. Journal of Physician Assistant Education (2019). doi: 10.1097/JPA.0000000000000274
10. **Honda, T.***, Pun, V., Manjourides, J., Suh, H. *Daily ambient temperature is associated with biomarkers of kidney injury in Older Americans*. Environmental Research (2019). <https://doi.org/10.1016/j.envres.2019.108790>
11. Rolls, J., Davis, J., Backman, R., Wood, T., **Honda, T.** *Curricular Approaches to Transgender Health in Physician Assistant Education*. Academic Medicine. (2020). doi: 10.1097/ACM.00000000000003464
12. Qaedan, F., **Honda, T.***, Dailey-Provost, J., VanDerslice, J., Porucznik, C., Gren, L., Benson, S., Waters, A., Lacey, S., Shoaf, K. *Naive forecast for COVID-19 based on the South Korean and Italian Models- the fluctuation between two extremes*. International Journal of Environmental Research and Public Health (2020). <https://doi.org/10.3390/ijerph17082750>
13. Najmabadi, S., **Honda, T.**, Hooker, R. *Characteristics of Collaborative Practices in American Medicine: Physician Office Survey 2007–2016*. BMJ Open (2020). <https://bmjopen.bmj.com/content/10/6/e035414.info>
14. Elbarbary, M., **Honda, T.**, Morgan, G., Guo, Y., Negin, J. *Ambient Air Pollution Exposure Association with Anaemia Prevalence and Hemoglobin Levels in Chinese Older Adults*. International Journal of Environmental Research and Public Health (2020). <https://doi.org/10.3390/ijerph17093209>
15. Elbarbary, M., **Honda, T.**, Morgan, G., Guo, Y., Negin, J. *Ambient Air Pollution Exposure Association with Diabetes Prevalence and Glycosylated Hemoglobin Levels in Chinese Older Adults*. Journal of Environmental Science and Health Part A (2020). <https://doi.org/10.1080/10934529.2020.1787011>
16. Kozikowski, A., **Honda, T.**, Segal-Gidan, F., Hooker, R. *Physician Assistants in Geriatric Medical Care*. BMC Geriatrics (2020). <https://doi.org/10.1186/s12877-020-01831-1>

17. Elbarbary, M., Oganessian, A., **Honda, T.**, Kelly, P., Zhang, Y., Gao, Y., Morgan, G., Guo, Y., Negin, J. *Ambient air pollution, lung function and COPD: cross-sectional analysis of Chinese older adults*. *BMJ Open Respiratory Research* (2020). <http://dx.doi.org/10.1136/bmjresp-2020-000684>
18. Dennison, R., Kerkhof, D., **Honda, T.**, Calatroni, R., Corrado, G. *Feasibility of a Novel Strategy for Cardiovascular Screening During the Preparticipation Physical Examination*. *Clinical Journal of Sports Medicine* (2021). doi: 10.1097/JSM.0000000000000770
19. **Honda, T.***, Henry, T., Mandel, E., Quella, A., Rodríguez, José E., Najmabadi, S., Valentin, V. *Maximizing Black Applicant Matriculation in U.S. PA Programs: Associations Between the Number of Submitted Applications and Likelihood of Matriculation*. *BMC Medical Education* (2021). <https://doi.org/10.1186/s12909-021-02563-5>
20. Elbarbary, M., Oganessian, A., **Honda, T.**, Morgan, G., Guo, Y., Guo, Y., Negin, J. *Systemic Inflammation (C-reactive protein) in older Chinese adults is associated with long-term exposure to ambient air pollution*. *International Journal of Environmental Research and Public Health* (2021). <https://doi.org/10.3390/ijerph18063258>
21. Ryujin, D., Spackman, J., **Honda, T.**, Valentin, V., Dalton, D., Laguan, M., Hobson-Rohrer, W., Rodriguez, J. *Increasing Racial and Ethnic Diversity at the University of Utah Physician Assistant Program*. *Family Medicine* (2021). DOI: 10.22454/FamMed.2021.923340
22. Qeadan, F., Mensah, N.A., Tingey, B., Bern, R., Rees, T., Madden, E., Porucznik, C.A., English, K., **Honda, T.** *The association between opioids, environmental, demographic, and socioeconomic indicators and COVID-19 mortality rates in the United States: an ecological study at the county level*. *Archives of Public Health* (2021). <https://doi.org/10.1186/s13690-021-00626-z>
23. Morton, S., **Honda, T.**, Kirwa, K., Zimmerman, E., Huerta-Montanez, G., Martens, A., Hines, M., Eum, K., Cordero, J., Alshawabekeh, A., Suh, H. *Non-Nutritive Suck and Airborne Metal Exposures Among Puerto Rican Infants*. *Science of the Total Environment* (2021). <https://doi.org/10.1016/j.scitotenv.2021.148008>
24. Henry, T., **Honda, T.**, Vanderslice, J., Porucznik, C. *Differential impacts of particulate air pollution exposure in early and late stages of spermatogenesis*. *Ecotoxicology and Environmental Safety* (2021). <https://doi.org/10.1016/j.ecoenv.2021.112419>
25. Valentin VL, Najmabadi S, **Honda T.** *Associations between State Scope of Practice Laws and US Physician Assistant Wages from 1997–2017: A Longitudinal Analysis*. *BMJ Open* (2021). <http://dx.doi.org/10.1136/bmjopen-2021-052849>
26. Ki-Do, E., **Honda, T.**, Manjourides, J., Pavlu, V., Pun, V., Wang, B., Kazemiparkouhi, F., Suh, H. *Long-term nitrogen dioxide exposure and cause-specific mortality in the U.S. Medicare population*. *Environmental Research*. (2022). <https://doi.org/10.1016/j.envres.2021.112154>
27. Kazemiparkouhi, F., **Honda, T.**, Ki-Do, E., Wang, B., Manjourides, J., Suh, H. *The Impact of Long-Term PM2.5 Constituents and their Sources on Specific Causes of Death in a US Medicare cohort*. *Environment International*. (2022). <https://doi.org/10.1016/j.envint.2021.106988>
28. Qeadan, F., Tingeya, B., Egberta, J., Pezzolesi, M., Burgec, M., Peterson, K., **Honda, T.** *The associations between COVID-19 infection, type 1 diabetes, and the risk of diabetic ketoacidosis: A*

nationwide cohort from the Cerner Real-World Data. PLOS ONE. (2022).
<https://doi.org/10.1371/journal.pone.0266809>

29. Mashhadi, A., Farhadmanesh, M., Rashidi, A., **Honda, T.**, Sleeth, D., Henry, T., Handy, R. Feasibility study of using nebulizer-retrofitted UAVs at Construction Projects: The case study of residential jobsites in Utah. **Manuscript Accepted**. Journal of Construction Engineering and Management.
30. Min, E., Hibbard, S., Ritsema, T., Moloney-Johns, A., Bary, C., DAquila, M., Lie, D., **Honda, T.** *Validation of A Novel Statistical Method to Identify Aberrant Patient Logging: A Multi-institutional Study*. **Manuscript Accepted**. Journal of Physician Assistant Education.

*indicates corresponding author

Refereed Correspondence/Letters to the Editor:

1. Daytheon, S., Cawse-Lucas, J., Ryujin, D., Rodriguez, J. R., Howell-Stampley, T. S., Tran, B. P., **Honda, T.** *We Can Do Better*. Journal of the American Academy of Physician Assistants. (2022). doi: 10.1097/01.JAA.0000823164.50706.27

Submitted/Pending Refereed Articles/Original Research:

1. **Honda, T.**, Kazemiparkouhi, F., Henry, TD., Suh, H. *Long-Term Air Pollution Exposure and Sepsis Mortality in a US Medicare cohort*. **Manuscript submitted**. BMC Public Health.
2. Burns, S.M., Woodworth, T.S., Icten, Z., **Honda, T.**, Manjourides, J. A machine learning approach to identify predictors of severe Covid-19 outcome in patients with rheumatoid arthritis. **Manuscript submitted**. Rheumatology.
3. Hung, L., Downey, B., Kerkhof, D., **Honda, T.**, McNaughton, M., Corrado, G. Considering the Impact of Preparticipation Screening Guidelines on Health Equity for Collegiate Athletes. **Manuscript Submitted**. Journal of the American College of Cardiology.
4. Ryujin, D., Dalton, D., DiBiase, M., Phelps, P., Madden, A., Clark, J., Barry, C., Rodriguez, J., **Honda, T.** *Implicit Association Test Alone Not Sufficient to Increase Underrepresented Minority (URM) Representation in Physician Assistant Programs*. Journal of Educational Evaluation for Health Professions.

Manuscripts in Preparation:

1. Kazemiparkouhi, F., Ki-Do, E., Henry, T., Manjourides, J., Pavlu, V., Pun, V., Wang, B., Suh, H., **Honda, T.** *The Impact of Long-Term PM2.5 Components on Type I Diabetes Mortality in a US Medicare cohort*.
2. **Honda, T.**, Yuen, C., Chitwood, R. *Diversity Retention and Loss During the Physician Assistant Admissions Cycle*.

3. Smith, J., Showstark, M., Fitzpatrick, S., **Honda, T.** *Understanding the Scope of Practice of Physician Assistant/Physician Assistant Comparable Professions using the World Health Organization Framework for Universal Health Coverage.*

Book Chapters & Periodicals:

1. **Honda, T.**, Horvath, T. "Inner City Health Care." In Eisenhauer, Walter A., Anna M. Smith, and Ruth Ballweg (eds). "Physician Assistant: A Guide to Clinical Practice." 6th Edition. May, 2017.
2. **Honda, T.**, Horvath, T. "Inner City Health Care." In Eisenhauer, Walter A., Anna M. Smith, and Ruth Ballweg (eds). "Physician Assistant: A Guide to Clinical Practice." 7th Edition. Scheduled Release: May, 2021.
3. Mackie, A., **Honda, T.** *Review Article: Preventative Cardiology.* Physician Assistant Clinics: Cardiology (2017). <https://doi.org/10.1016/j.cpha.2017.06.010>

International Presentations and Posters (Peer Reviewed):

1. Corlin, L., Eum, K., **Honda, T.**, Suh, H. *Air pollution, proteomics, metabolomics, and cardiometabolic health in the Framingham Heart Study.* **Accepted** at the 2022 Annual Conference of the International Society for Environmental Epidemiology, Athens, Greece, September 2022.
2. Elbarbary, M., Oganesyanyan, A., **Honda, T.**, Morgan, G., Guo, Y., Guo, Y., Negin, J. *From Inhalation to Inflammation: Systemic Inflammation (C-reactive protein) in older Chinese adults is associated with long-term exposure to ambient air pollution.* International Epidemiological Association's World Congress of Epidemiology, September, 2021.
3. Qeadan, F., Mensah, NA., Tingey, B., Bern, R., Rees, T., Madden, EF., Porucznik, CA., English, K., **Honda, T.** *Opioids, environmental, demographic, and socioeconomic indicators and COVID-19 mortality rates in the United States: an ecological study.* E-Poster presentation at the 2021 Annual Conference of the International Society for Environmental Epidemiology, New York, NY, August 2021.
4. **Honda, T.**, Kazemiparkouhi, F., Ki-Do, E., Henry, TD., Pezzolesi, M., Manjourides, J., Suh, H. *The Impact of Long-Term Air Pollution Exposure on Type I Diabetes-Related Mortality Among U.S. Medicare Beneficiaries.* E-Poster presentation at the 2021 Annual Conference of the International Society for Environmental Epidemiology, New York, NY, August 2021.
5. **Honda, T.**, Manjourides, J., Suh, H. *Residential Greenspace is Associated with CRP Levels in Older Adults.* E-Poster presentation at the 2020 Annual Conference of the International Society for Environmental Epidemiology, Online due to COVID-19 Pandemic, August 2020.
6. **Honda, T.**, Manjourides, J., Suh, H. *Residential Urbanicity is Associated with Glycosylated Hemoglobin Levels in Older Adults.* E-Poster presentation at the 2020 Annual Conference of the International Society for Environmental Epidemiology, Online due to COVID-19 Pandemic, August 2020.
7. Kazemiparkouhi, F., Ki-Do, E., **Honda, T.**, Manjourides, J., Pavlu, V., Pun, V., Wang, B., Suh, H. *The Impact of Long-Term PM2.5 Exposure on Sepsis-Related Death Among U.S. Medicare Beneficiaries.* E-

Poster presentation at the 2020 Annual Conference of the International Society for Environmental Epidemiology, Online due to COVID-19 Pandemic, August 2020.

8. Kazemiparkouhi, F., Ki-Do, E., **Honda, T.**, Manjourides, J., Pavlu, V., Pun, V., Wang, B., Suh, H. *Impact of Long-Term PM2.5 Sources on Cause-Specific Mortality in U.S. Medicare Beneficiaries*. Oral presentation at the 2020 Annual Conference of the International Society for Environmental Epidemiology, Online due to COVID-19 Pandemic, August 2020.
9. Henry, T., **Honda, T.**, Vanderslice, J., Porucznik, C. *Differential impacts of particulate air pollution exposure in early and late stages of spermatogenesis*. E-Poster presentation at the 2020 Annual Conference of the International Society for Environmental Epidemiology, Online due to COVID-19 Pandemic, August 2020.
10. **Honda, T.**, Coombs, J. *Fostering Global Health Competence in PA Students Through an Internationally-Focused Dual Degree Program*. Oral presentation at the International Academy of Physician Associate Educators, Winterthur, Switzerland. October, 2019.
11. Elbarbary, M., **Honda, T.**, Morgan, G., Guo, Y., Negin, J. *Ambient Air Pollution Exposure Association with Anaemia Prevalence and Hemoglobin Levels in Chinese Older Adults*. Poster presentation at the 2019 Annual Conference of the International Society for Environmental Epidemiology, Utrecht, Netherlands, August 2019.
12. **Honda, T.**, Pun, V., Manjourides, J., Suh, H. *Low Daily Ambient Temperature is Associated with Increased Fibrinogen Levels in Older Adults*. Poster presentation at the 2019 Annual Conference of the International Society for Environmental Epidemiology, Utrecht, Netherlands, August 2019.
13. **Honda, T.**, Manjourides, J., Suh, H. *Daily Ambient Temperature is Associated with Biomarkers of Kidney Injury in Older Americans*. Poster presentation at the 2018 Annual Conference of the International Society for Environmental Epidemiology, Ottawa, Canada, August 2018.
14. **Honda, T.**, Pun, V., Manjourides, J., Suh, H. *Associations between long-term exposure to air pollution, glycosylated hemoglobin and diabetes*. Oral presentation at the 2016 Annual Conference of the International Society for Environmental Epidemiology, Rome, Italy, August 2016.
15. **Honda, T.**, Eliot, M., Eaton, C. B., Mu, L., Suh, H., Szpiro, A., Kaufman, J., Vedal, S., Wellenius, G. A. *Long-term exposure to air pollution and incident hypertension in post-menopausal women*. Poster presentation, 2016 Annual Conference of the International Society for Environmental Epidemiology, Rome, Italy, August 2016.

National Presentations and Posters (Peer Reviewed):

1. Showstark, M., Najmabadi S., Rolls, J., Barry, C., Valentin, V., Hamilton, C., Quella A., **Honda T.** *PA Applicant US Citizenship and Likelihood of Matriculation*. **Accepted**. Poster Presentation at the Physician Assistant Education Association Annual Conference, 2022.
2. Najmabadi S., Valentin, V., Showstark, M., Rolls, J., Barry, C., Hamilton, C., Quella A., **Honda T.** *Non-native English Speaker Applicants and Likelihood of PA Program Matriculation Over Time*. **ACCEPTED**. Poster Presentation at the Physician Assistant Education Association Annual Conference, 2022.

3. Valentin, V., Showstark, M., Najmabadi S., Rolls, J., Barry, C., Hamilton, C., Quella A., **Honda T.** *Active Duty and Military Veteran PA Program Matriculation Over Time.* **ACCEPTED.** Poster Presentation at the Physician Assistant Education Association Annual Conference, 2022.
4. Everett, C., Dehn, R., **Honda, T.** *Peer Reviewing Research Articles for PA Journals.* **ACCEPTED.** Oral Presentation at the Physician Assistant Education Association Annual Conference. 2022.
5. Dehn, R., **Honda, T.** *Peer Reviewing Manuscripts for PA Journals.* Oral Presentation at the American Academy of Physician Assistants Annual Conference. 2022.
6. Yuen, CX., Chitwood, RW., **Honda, T.** *Predictors of Applicant Pool Diversity Among Physician Assistant Education Programs.* Poster Presentation at the American Association of Medical Colleges Workforce Conference, 2021.
7. Barry, C., Bessette, M., Cohen-Osher, M., DiVall, M., Greenwood, K., Kickey, M., **Honda, T.**, Kirwin, J., Miselis, H., Reffel, A., White, S. *In-Person versus Remote IPE Activity: Is There a Difference?* Poster Presentation at the Physician Assistant Education Association Annual Conference, 2021.
8. **Honda, T.**, Najmabadi, S., Quella, A., Mandel, E., Valentin, V. *Are Military Veterans Disadvantaged in PA Program Matriculation?* Poster Presentation at the Physician Assistant Education Association Annual Conference, 2021.
9. **Honda, T.**, Najmabadi, S., Quella, A., Mandel, E., Valentin, V. *Non-native English Speaker Applicants Have Lower Likelihood of PA Program Matriculation.* Poster Presentation at the Physician Assistant Education Association Annual Conference, 2021.
10. Rolls J, Davis J, Backman R, Wood T, **Honda T.** *Curricular Approaches to Transgender Health in PA Education.* **ACCEPTED.** Oral Presentation at the American Academy of Physician Assistants Annual Conference. 2021. Online due to COVID-19 Pandemic.
11. Mandel, E., Najmabadi, S., Quella, A., **Honda, T.** *Physician Assistant Program Application Number and Likelihood of Matriculation.* Oral presentation at the Physician Assistant Education Association Annual Conference, 2020.
12. Mandel, E., Najmabadi, S., Quella, A., **Honda, T.** *Older PA Program Applicants Have Lower Likelihood of Matriculation.* Oral presentation at the Physician Assistant Education Association Annual Conference, 2020.
13. Mandel, E., Najmabadi, S., Quella, A., **Honda, T.** *Which Applicant GPA Best Predicts Program Matriculation?* Oral presentation at the Physician Assistant Education Association Annual Conference, 2020.
14. Valentin VL, Najmabadi S, Honda T, Everett C. *The Effect of State Scope of Practice Laws on Physician Assistant Wage: An Analysis of United States Data from 2007-2017.* **ACCEPTED.** American Academy of Physician Assistants Annual Conference. 2020 (Conference was canceled due to the COVID-19 Pandemic).
15. Rolls J, Davis J, Backman R, Wood T, **Honda T.** *Curricular Approaches to Transgender Health.* Oral presentation at the Society of Teachers of Family Medicine Conference, Salt Lake City UT, May 2020. Online due to COVID-19 Pandemic.

16. Eaton, J., **Honda, T.** *How to Prepare Physician Assistants for the Care of Older Adults? Partner with Gerontology.* Poster presentation at the Gerontological Society of America's 71st Annual Scientific Meeting, Austin, TX. November, 2019.
17. **Honda, T.**, Pedersen, K., Goldgar, C., Rolls, J. *Socially accountable growth: Using workforce needs to guide program development.* Oral presentation at the Physician Assistant Education Association Annual Conference, Washington, DC. October 2019.
18. **Honda, T.**, Min, E., Hibbard, S., Ritsema, T., Moloney-Johns, A., Bary, C., DAquila, M., Lie, D. *A Novel Method to Identify Aberrant Patient Logging.* Poster presentation at the Physician Assistant Education Association Annual Conference, Washington, DC. October 2019.
19. Barry, C., **Honda, T.**, Spackman, J., Parente, J., Patel, D., Coombs, J. *Professionalism Beyond PA Education: Licensing Board Disciplinary Actions.* Poster presentation at the Physician Assistant Education Association Annual Conference, Washington, DC. October 2019.
20. Rolls, J., Jenkins, M., Wood, T., Backman, R., Davis, J., **Honda, T.** *TRANSforming curricula; curricular approaches to transgender health.* Oral presentation at the Physician Assistant Education Association Annual Conference, Washington, DC. October 2019.
21. Dalton, D., Hegmann, T., Dibaise, M., Zouc, D., **Honda, T.** *Ensuring an Equitable Admissions Process for PA Studies.* Oral presentation at the Physician Assistant Education Association Annual Conference, Washington, DC. October 2019.
22. **Honda, T.**, Feinberg, D. *PA-Health Informatics: Creating PA Leadership in Healthcare Technology.* Oral presentation at the Physician Assistant Education Association Annual Conference, Anaheim, CA. October 2018.
23. Yuen, C., **Honda, T.** *Diversity Throughout the PA Pipeline: Predicting PA Program Matriculation Among Diverse Applicants.* Oral presentation at the Physician Assistant Education Association Annual Conference, Anaheim, CA. October 2018.
24. **Honda T.**, Barry, C., Buchs, S., Garbas, B., Hibbard, S., McLellan, A., Riethle, T., Swanchak, L. *Considerations around predicting PANCE scores from PACKRAT™: A Multi-Program Study.* Poster presentation at the Physician Assistant Education Association Annual Conference, Anaheim, CA. October 2018.
25. Buchs, S., **Honda T.**, Coombs, J., Statler, M., Murfin, M., Garbas, B., Mazur, Z., Duffy, D., Moloney-Johns, A., Thurnes, T., Baginski, R. *PAEA EORs reliably predict poor PANCE outcomes: a multi-centered study.* Poster presentation at the Physician Assistant Education Association Annual Conference, Anaheim, CA. October 2018.
26. Mackie, A., **Honda, T.** *Student evaluations of instructors correlate poorly with summative outcomes.* Poster presentation at the Physician Assistant Education Association Annual Conference, Anaheim, CA. October 2018.
27. Blazer, M., Eams, J., Feirstein, J., **Honda, T.**, Mclellan, A., Shell, E., Schmidt, E., Worley, V. *Test Item Writing Workshop: PACKRAT Exam Development Board.* Oral presentation, Physician Assistant Education Association Annual Conference, Anaheim, CA. October 2018.

28. Dennison, R., Kerkhof, D., **Honda, T.**, Caltroni, R., Corrado, G. *Feasibility of a Novel Strategy for Cardiovascular Screening During the Pre-participation Physical Examination*. Poster presentation. American College of Sports Medicine Annual Meeting, Minneapolis, Minnesota, May 2018.
29. Yuen, C., **Honda, T.** *Diversity Throughout the PA Pipeline: Predicting PA Program Matriculation Among Diverse Applicants*. Oral Presentation. American Association of Medical Colleges Health Workforce Research Conference, May 2018, Tysons, Virginia.
30. Blazer, M., Eams, J., Feirstein, J., **Honda, T.**, Mclellan, A., Shell, E., Schmidt, E., Worley, V. *Test Item Writing Workshop: PACKRAT Exam Development Board*. Oral presentation, Physician Assistant Education Association Annual Conference, 2017.
31. Riethl, T., Baginski, R., Patel, D., **Honda, T.** *PACKRAT is a Strong Predictor of Board Scores Across Time*. Oral presentation, Physician Assistant Education Association Annual Conference, 2017.
32. Parente, J., **Honda, T.** *Methodological Challenges in Modeling PANCE Failure*. Poster presentation, Physician Assistant Education Association Annual Conference, 2017.
33. **Honda, T.**, Eliot, M., Eaton, C. B., Mu, L., Suh, H., Szpiro, A., Kaufman, J., Vedal, S., Whitsel, E., Wellenius, G. A. *Long-term exposure to residential ambient fine and coarse particulate matter and incident hypertension in post-menopausal women*. Oral presentation, Women's Health Initiative Physical and Built Environment Scientific Interest Group (SIG). 2016.
34. Scott, R., Patel, D., **Honda, T.** *Admissions variables: Predictors of PA student success?* Oral presentation, Physician Assistant Education Association Annual Conference, 2016.
35. Talbot, S., Riethle, T., Berkowitz, O., Cooper, C., Walker, L., **Honda, T.**, Milch, C., Hixon, J. *Massachusetts Consortium on Core Competences for Addressing the Opioid Crisis*. Oral Presentation, Physician Assistant Education Association Annual Conference, 2016.
36. Dolce, M., Rizzolo D, Ricker, M., **Honda, T.**, Lituri, K. *Designing Interprofessional Community-Service Learning for Medical-Dental Collaborative Practice*. America Dental Education Association Conference, 2015.

Regional Presentations and Posters (Peer Reviewed):

1. Rolls, J., Najmabadi S., Barry, C., Valentin, V., Showstark, M., Hamilton, C., Quella A., **Honda T.** *Gender Minority PA Applicants and Likelihood of Matriculation*. **SUBMITTED**. Poster Presentation at the Association of Health Science Educators Annual Conference, 2022.
2. Clark, J., **Honda, T.**, Barry, C., Ryujin, D. *Harvard Implicit Association Test Alone is Not Sufficient to Impact Admission of Underrepresented Students*. Conference for Advancing Evidence-Based Learning. Northeastern University. Boston, MA, 2022.
3. Rolls, J., Jenkins, M., Wood, T., Backman, R., Davis, J., **Honda, T.** *Curricular Approaches to Transgender Health*. Poster presentation at the University of Utah Academy of Health Science Educators Education Symposium, Salt Lake City, UT. September 2019.

4. Rolls J, Davis J, Backman R, Wood T, **Honda T**. *Curricular Approaches to Transgender Health*. University of Utah Department of Family and Preventive Medicine Education, Research, and Community Engagement Poster Summit, Salt Lake City, UT. April 15, 2019.

Invited Lectures and Presentations

1. Editorial Panel. *"The Who, What, Why and Where of Submitting Your Publication."* American Academy of Physician Assistants. August, 2021.
2. Keynote Address: Northwestern University Capstone Research Day: *"Diversity Across Disciplines: The Impact of Underrepresented Minority Status on PA Education Access and Environmental Health Risk."* April, 2020.
3. Centre for Air Pollution, Energy, and Health Research (CAR) Seminar Series: *"Associations between built environment characteristics and disease biomarkers in Older U.S. Adults."* February, 2020.
4. Physician Assistants for Global Health Conference. Invited Presentation: *"Fostering Global Health Competence in PA Students Through an Internationally-Focused Dual Degree Program."* February, 2020.
5. Physician Assistants for Global Health Conference, 2020. Invited Presentation: *"Climate Change and Health: Emerging Health Impacts of Ambient Temperature in Older Adults"* February, 2020.
6. University of Utah School of Health Sciences. Invited Presentation to the Future Clinicians for Clean Air Association: *"Air Quality and Health."* January, 2020.
7. University of Utah School of Medicine Global Health Steering Committee. Invited Presentation: *"Global Health Work in the Division of Physician Assistant Studies"*, May 14, 2019. University of Utah School of Medicine.
8. PAEA Don Pedersen Grant Research Funding Opportunity. Webinar, May 3, 2019. Physician Assistant Education Association.
9. U Health Academic-Clinical Workforce Planning Alliance (ACWPA). Invited Presentation: *"Physician Assistant Studies: Inclusion, Equity and Diversity (IED) to Create a Diverse Healthcare Workforce"*, February 20, 2019. University of Utah School of Medicine.
10. Workshop facilitator. *"Research and Publishing Made Easier."* Physician Assistant Education Association Forum 2018. Anaheim, CA.
11. *"Taking the First Step: Getting Started in Research and Publishing."* Invited lecture series, October 23-24, 2018. Physician Assistant Education Association Forum 2018. Anaheim, CA.
12. PAEA Don Pedersen Grant Research Funding Opportunity. Invited webinar, June 11, 2018. Physician Assistant Education Association.
13. PHTH 2350: Community and Public Health. Invited lecture: *"Applied Environmental Health"*, Spring 2018. Northeastern University.
14. NRSG 5121: Epidemiology and Population Health. Invited lecture: *"Statistical Inference in Population Health"*, Fall 2017. Northeastern University.

15. Auerbach, J., Lupi, M., Minter-Jordan, M., **Honda, T.**, Madison, K. *Changing the Rules: Strengthening the links between health care and public health*. Auerbach, J. (Chair). Panel member, Health Care Symposium, Northeastern University, Boston, MA, 2016.

Other Peer Reviewed Scholarship:

1. Blazar M, Bonnin K, **Honda, T.** et al. *Physician Assistant Clinical Knowledge Rating and Assessment Tool (PACKRAT) Exam Version 24*. Washington, DC: Physician Assistant Education Association, 2019.
2. Blazar M, Bonnin K., **Honda, T.** et al. *Physician Assistant Clinical Knowledge Rating and Assessment Tool (PACKRAT) Exam Version 23*. Washington, DC: Physician Assistant Education Association, 2018.
3. Riethle, T., Bonnin K., **Honda, T.** et al. *Physician Assistant Clinical Knowledge Rating and Assessment Tool (PACKRAT) Exam Version 22*. Washington, DC: Physician Assistant Education Association, 2017.
4. Riethle, T., Bonnin K., **Honda, T.** et al. *Physician Assistant Clinical Knowledge Rating and Assessment Tool (PACKRAT) Exam Version 21*. Washington, DC: Physician Assistant Education Association, 2016.
5. Riethle, T., Bonnin K, **Honda, T.** et al. *Physician Assistant Clinical Knowledge Rating and Assessment Tool (PACKRAT) Exam Version 20*. Washington, DC: Physician Assistant Education Association, 2015.

Dissertation:

Long-Term air pollution exposure and cardiovascular risk factors in older Americans (2016).

- Advisor: Helen Suh ScD
- Committee Member: Justin Manjourides PhD
- Committee Member: Gregory Wellenius ScD

Submitted Grants:

1. “Physician Assistant Primary Care Training Program Enhancement and Traineeships” (Co-I). Health Resources and Services Administration. Proposed period of performance: 07/01/2015 – 06/30/2020. Total costs over study period: \$1,250,000.
2. “Air Pollution and Other Antecedents of Respiratory and Cognitive Disorders in Early Childhood: An Analysis of a Complete Massachusetts Birth Cohort” (Co-I; Suh, PI). Resubmission to the National Institutes of Health. Proposed period of performance: 07/01/2019 – 06/30/2024. Total costs over study period: \$1,945,583.
3. “Chronic Stress and Academic Performance in PA Students.” (Honda PI) Physician Assistant Education Association. Proposed period of performance: 4/2019-4/2021. Total costs over study period: \$50,000.
4. “Primary Care Training Enhancement: Integrating Behavioral Health and Primary Care Program” (Co-Investigator, Ose PI). Health Resources and Services Administration. Proposed period of performance: 07/01/2019 – 06/30/2024. Total costs over study period: \$1,500,000.

5. "The Development and Piloting of Water-Dispersing Drones to Combat Near-Ultrafine Particulate Matter Pollutants in Elementary School Areas." (Co-PI). Sorenson Legacy Foundation. Proposed period of performance: 9/2019-4/2020. Total costs over study period: \$30,000.
6. "Assessing and Mitigating Childhood Environmental Exposures in Underserved Populations: A Research to Action Collaboration with Regional Head Start Centers." (PI, Sleeth Co-PI). National Institutes of Health. Proposed period of performance: 1/2020-5/2025. Total costs over study period: \$3,456,710.
7. "The effect of particle morphology and composition on the accuracy and precision of low-cost particle counters in long term exposure studies" (Co-I, Sleeth PI). Health Effects Institute. Proposed period of performance: 1/2020-5/2025. Total costs over study period: \$750,000.
8. "Acute Air Pollution Events, Inflammation, and Altered Sleep: Exploring a novel pathway for the health effects of air pollution" (Co-I, Baron PI). Marion Bishop Award, Department of Family and Preventive Medicine, University of Utah School of Medicine. Proposed period of performance: 1/2020-5/2020. Total costs over study period: \$39,947.
9. "Scholarship for Disadvantaged Students Program" (Co-I, Ryujin PI). Health Resources and Services Administration. Proposed period of performance: 07/01/2020 – 06/30/2025. Total costs over study period: \$2,000,000.
10. "Assessing and Mitigating Childhood Environmental Exposures in Underserved Populations: A Research to Action Collaboration with Regional Head Start Centers." (Co-PI, Sleeth PI) National Institutes of Health. Proposed period of performance: 7/2021-6/2026. Total costs over study period: \$2,965,485.

Pending Grants (Currently Under Review):

11. "Airborne metals, neurodegeneration and cognitive decline: Examining the olfactory system in The Adult Changes in Thought study." (Subcontract-PI, Suh PI). National Institutes of Health.
12. "The impact of COVID-19 Infection on the Risk of Developing Post-Infectious Autoimmune Disorders." (Co-PI). National Institutes of Health.
13. "Multi-omic signatures of air pollution exposure in relation to incident cardio- and cerebrovascular health." (Subcontract-PI, Corlin PI). National Institutes of Health.

Funded Grants:

1. "Impact of an Implicit Association Test on Under-represented Minority Admissions in Physician Assistant Programs." (Co-I, Ryujin PI) Physician Assistant Education Association. Proposed period of performance: 4/2019-4/2021. Total costs over study period: \$7,000.
2. "Primary Care Training and Enhancement: Physician Assistant Program" (Co-I, Valentin PI). Health Resources and Services Administration. Proposed period of performance: 07/01/2019 – 06/30/2024. Total costs over study period: \$1,250,000.
3. "Integrating Geriatrics and Primary Care Through Workforce Education and Training to Improve Outcomes for Older Adults Utilizing Long-Term Services and Supports in Utah" (Content Expert,

Edelman PI). Health Resources and Services Administration. Proposed period of performance: 07/01/2019 – 06/30/2024. Total costs over study period: \$3,750,000.

4. “Associations Between Air Pollution and Diabetes Disease Trajectory, Severity, and Complications in Utah” (Co-I, Porucznik PI). Health Studies Fund. Proposed period of performance: 03/15/2020 – 10/30/2020. Total costs over study period: \$10,000.
5. “Nebulizer-Retrofitted Drone Deployment at Residential Construction Sites.” (Co-I, Handy PI). The Center for Construction Research and Training. Proposed period of performance: 6/2020-5/2021. Total costs over study period: \$29,996.

TEACHING AND EDUCATION

Classroom Teaching

1. Lead Instructor, PA6200: Anatomy and Physiology I w/ Cadaver Lab, Northeastern University

PA6200 is the first course in a two-semester graduate survey series covering: Cellular biology, membrane physiology, hematologic, immunologic, cardiopulmonary, and neurological physiology. Cadaver laboratory lectures and guided dissection sessions cover the anterior chest wall and thorax, with focus on the pulmonary and cardiovascular systems.

Course Reviews:

Fall 2014 (40 students, Course evaluations 4.95 out of 5.0)

Fall 2015 (40 students, Course evaluations 4.99 out of 5.0)

Fall 2016 (40 students, Course evaluations 4.95 out of 5.0)

Fall 2017 (43 students, Course evaluations 4.87 out of 5.0)

Fall 2020 (51 students, Course evaluations 4.90 out of 5.0). This course was taught via hybrid synchronous distance learning and in-person sessions due to the COVID-19 pandemic.

Fall 2021 (51 students, Course evaluations 4.90 out of 5.0).

2. Instructor, PA6203: Physical Diagnosis and Patient Evaluation I: Small Group, Northeastern University

The course presents the techniques for eliciting an accurate history, performing an appropriate physical examination, making case presentations, and documenting patient information. Issues such as effective communication, confidentiality, cultural competence, and dealing with patients who are terminally ill or disabled are included. Emphasis is placed on skill development. Small group sessions focus on development of clinical decision making and clinical reasoning skills.

Course Reviews:

Fall 2020 (6 students, Course evaluations 4.97 out of 5.0). This course was taught via synchronous distance learning due to the COVID-19 pandemic.

3. Lead Instructor, PA6201: Anatomy and Physiology II w/ Cadaver Lab, Northeastern University

PA6201 is the second course in a two-semester graduate survey series covering: Gastrointestinal, genitourinary, endocrine, and renal physiology. Cadaver laboratory lectures and guided dissection sessions cover the abdomen and pelvis.

Course Reviews:

Spring 2014 (39 students, Course evaluations 4.90 out of 5.0)

Spring 2015 (40 students, Course evaluations 4.90 out of 5.0)

Spring 2016 (40 students, Course evaluations 4.94 out of 5.0)

Spring 2017 (40 students, Course evaluations 4.96 out of 5.0)

Spring 2018 (44 students, Course evaluations 4.96 out of 5.0)

Spring 2021 (51 students, Course evaluations 4.97 out of 5.0). This course was taught via hybrid synchronous distance learning and in-person sessions due to the COVID-19 pandemic.

4. Instructor, PA6204: Physical Diagnosis and Patient Evaluation II: Small Group, Northeastern University

The course presents the techniques for eliciting an accurate history, performing an appropriate physical examination, making case presentations, and documenting patient information. Issues such as effective communication, confidentiality, cultural competence, and dealing with patients who are terminally ill or disabled are included. Emphasis is placed on skill development. Small group sessions focus on development of clinical decision making and clinical reasoning skills.

Course Reviews:

Spring 2021 (6 students, Course evaluations 5.0 out of 5.0). This course was taught via synchronous distance learning due to the COVID-19 pandemic.

5. Lead Instructor, PAS6131: Physiology II, University of Utah School of Medicine

PAS6131 is the second course in a two-semester graduate survey series covering: Gastrointestinal, Renal, Urologic, and Hematologic physiology. Normal physiology is contrasted with pathophysiology, and students are required to demonstrate understanding of fundamental concepts of anatomy, biochemistry, and physics as they relate to normal and abnormal physiologic states.

Course Reviews:

Spring 2020 (64 students, Course evaluations 5.73 out of 6.0).

6. Lead Instructor, PAS6030: Physiology I, University of Utah School of Medicine

PAS6030 is the first course in a two-semester graduate survey series covering: Cardiopulmonary, pulmonary, and endocrine physiology. Normal physiology is contrasted with pathophysiology, and students are required to demonstrate understanding of fundamental concepts of anatomy, biochemistry, and physics as they relate to normal and abnormal physiologic states.

Course Reviews:

Fall 2019 (64 students, Course evaluations 5.69 out of 6.0)

Summer 2020 (68 students, Course evaluations 5.44 out of 6.0). This course was taught via synchronous distance learning due to the COVID-19 pandemic.

7. Lead Instructor, PAS 6304: Musculoskeletal Medicine, University of Utah School of Medicine

PAS6304 covers common presentation, assessment, diagnosis, and treatment of common pathology of the musculoskeletal system, including: orthopedic fractures, dislocations, infections, tumors, soft tissue injury, and central and peripheral nervous and vascular injury. The course includes a survey of rheumatologic conditions, including common presentation, assessment, diagnosis, and treatment.

Students are also trained extensively in radiographic interpretation. Additionally, the course reviews the pertinent anatomy and physiology of these organs.

Course Reviews:

Summer, 2019 (60 students, Course evaluations 5.70 out of 6.0)

8. Instructor, PAS6106: Otolaryngology, University of Utah School of Medicine

PAS6106 covers common presentation, assessment, diagnosis, and treatment of common pathology of the eyes, ears, nose, and throat. Additionally, the course reviews the pertinent anatomy and physiology of these organs.

Course Reviews:

Fall, 2018 (60 students, Course evaluations 5.27 out of 6.0)

9. Lead Instructor, PA6330: Research Design, Northeastern University

PA6330 Covers research methods and designs used in clinical trials and epidemiologic studies. Emphasizes strengths and weaknesses of various research methodologies; additionally covers the ability to define research problems, write hypotheses, review and interpret literature, organize, analyze, and present data, and draw appropriate conclusions.

Course Reviews:

Summer, 2016 (40 students, Course evaluations 4.50 out of 5.0)

Summer, 2017 (39 students, Course evaluations 4.49 out of 5.0)

10. Lead Instructor, PA6322: Principles of Orthopedics, Northeastern University

PA6322 covers musculoskeletal and peripheral nervous and vascular anatomy and physiology. Additionally, the course covers common orthopedic and rheumatologic pathophysiology, including: physical examination evaluation techniques, radiographic and sonographic diagnostic testing, and general treatment approaches. Cadaver laboratory lectures and guided dissection sessions cover peripheral musculoskeletal, neurological and vascular anatomy.

Course Reviews:

Summer 2015 (40 students, Course evaluations 4.87 out of 5.0)

11. Instructor, PA6321: Principles of Surgery, Northeastern University

PA6321 covers major and minor surgical conditions, emphasizing indications for surgical intervention and pre-, intra- and post- operative management in both ambulatory and inpatient settings.

Course Reviews:

Spring 2014 (39 students, Course evaluations 4.89 out of 5.0)

12. Instructor, PA6311: Principles of Medicine I: Clinical Genetics (online course), Northeastern University

The Clinical Genetics unit of PA6311 covers normal and abnormal cellular genetics, with emphasis on the cellular mechanisms and clinical presentations of common monogenic and polygenic disorders.

Course Reviews:

Fall 2014 (40 students, Course evaluations 4.42 out of 5.0)

Summer 2016 (40 students, Course evaluations 4.40 out of 5.0)

13. Instructor: *Family Medicine*, University of California, Los Angeles, Los Angeles, CA.

Spring 2013, Winter 2013, Fall 2012, Spring 2012, Winter 2012, Fall 2011, Spring 2011, Winter 2011.

14. Instructor: *Occupational Medicine*, University of California, Los Angeles, Los Angeles, CA.

Spring 2013, Winter 2013, Fall 2012, Spring 2012, Winter 2012, Fall 2011, Spring 2011, Winter 2011.

Advising and Mentoring Activities

POST-DOCTORAL SCHOLAR MENTORED RESEARCH TRAINING:

- **Shahpar Najmabadi**, PhD, MPH. May 2019- August 2020.
- **Fatemeh Kazemiparkhoui**, PhD, MS. January 2020-August 2020.

DOCTOR OF PHILOSOPHY (PHD) STUDENTS/MENTEES/COMMITTEES:

- **Mona Elbarbary**, PhD student, Public Health. Department of Public Health. University of Sydney. Role: Student mentor. *Dissertation Title: "From Inhalation to Inflammation: The association between ambient air pollution and biomarkers of chronic disease in an elderly Chinese population."*
- **Cassidy Griffin**, PhD student, Population Health. Role: Dissertation Advisor & Committee Chair. Department of Health Sciences, Northeastern University. Role: Dissertation Committee Chair. *Dissertation Title: "TBD/In progress"*.
- **James McGinnis**, PhD student, Graduate School of Education and Human Development, George Washington University. Role: Dissertation Committee Member. *Dissertation Title: "Resilience, Dysfunctional Behavior, and Sensemaking: The Experiences of Emergency Medicine Physician Assistants Encountering Workplace Incivility."*

MASTER OF SCIENCE IN PUBLIC HEALTH (MSPH) CAPSTONE COMMITTEE MEMBER:

- **Trenton D. Henry**, MSPH. Division of Public Health, University of Utah Department of Family and Preventive Medicine. Capstone Title: "Differential impacts of particulate air pollution exposure in early and late stages of spermatogenesis".

MASTER OF SCIENCE (MS) IN PHYSICIAN ASSISTANT STUDIES CAPSTONE ADVISOR:

- **Meghan Ahern**. M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Impact of Palliative and Hospice Care Services on Survival: A Systematic Review."*
- **Brett Aponas**. M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Prophylactic Negative Pressure Wound Therapy in the Post-Cesarean Section Obese Female: A Review."*
- **Deanna Kerkhoff**. M.S. Physician Assistant Program, Northeastern University.

Capstone Title: "Plant-based diet quality, incident chronic disease, and mortality: A systematic review."

- **William McNeil**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Effects of Exercise on Cognitive Function in Elderly Patients with Dementia."*
- **Morgan Pace**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Use of Point-of-Care Ultrasound in Reducing Emergency Department Length-of-Stay in Females with Abdominal Pain: A Narrative Review."*
- **Sheri Johnson, Chance Basinger, Jillian Barker, Kadie Egbert-Brown**, Physician Assistant Program, University of Utah. *Capstone Title: "Head Start Environmental Exposure Education."*
- **Piper Haskell**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "The Epidemiology, Etiology, and Current Practice Recommendations for Alpha-gal Syndrome."*
- **Emily Hurst**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "The Synovial Environment of Post-Treatment Lyme Disease Syndrome."*
- **Pamela Jeppson**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Probiotics for the Treatment and Prevention of Bacterial Vaginosis A Review of Current Literature."*
- **Micki Kitchell**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Head Health – Addressing Adolescent Athletes' Perception of Concussions and Self-Reporting Behaviors."*
- **Jamie Kolb**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Vitamin D and the Risk of Colorectal Adenocarcinoma: A Review of Current Literature."*
- **Yvonne Lam**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Brain Games and Their Claims of Gains: A look into cognitive training activities and their effects on preventing age related cognitive impairments."*
- **Christie Lee**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Concussions at Various Ages: A Retrospective Analysis of the Effect of Trauma on the Developing Brain."*
- **June Song**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "The Absence of Effective Hair Regrowth Treatments Following Chemotherapy: A Systematic Review."*
- **Hillary Steele**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Could a Gluten Free Casein Free Diet be the Answer Caregivers of Children with Autism Spectrum Disorder are Looking For?"*
- **Hannah Strauss**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "A Systematic Review of Non-Celiac Gluten Sensitivity: Should We Exclude This Diagnosis of Exclusion?"*
- **Anji Yang**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Effect of Caffeine on Cognitive Decline A Review of Current Literature."*
- **Erika Pereya**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Efficacy of Orlistat for the treatment of pediatric obesity in black and Hispanic children"*
- **Sarah Kolchinsky**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Comparison of long-term cognitive effects of prenatal buprenorphine and methadone treatment on infants 6, 12, and 18 months post-partum"*
- **Mariah S. Henderson**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Perioperative estrogen use and venous thromboembolic events in transgender women undergoing sex reassignment surgery"*
- **Abdullah Majidi**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "The influence of absolute fasting on cardiovascular mortality in an overweight population"*
- **Melanie DeBosier**, M.S. Physician Assistant Program, Northeastern University. *Capstone Title: "Use of juicing supplementation for maintenance of cardiovascular health in patients on dialysis"*

- **Abby Saucier**, M.S. Physician Assistant Program, Northeastern University. Capstone Title: “Testing the efficacy of probiotics against azithromycin in the treatment of traveler’s diarrhea in children”
- **Bob Grueter**, M.S. Physician Assistant Program, Northeastern University, 2015. Capstone Title: “The use of psilocybin as treatment for depression in terminal cancer patients”
- **Stephanie Spaniolo**, M.S. Physician Assistant Program, Northeastern University, 2015. Capstone Title: “The effects of selective Cb2 cannabinoid on pre-existing atherosclerotic cardiovascular disease in the adult male”
- **Hellen Dawit**, M.S. Physician Assistant Program, Northeastern University, 2015. Capstone Title: “Congenital heart disease and associated development of carotid atherosclerosis in adulthood”

CLINICAL PRACTICE

- 2018-2020 Volunteer Physician Assistant and Clinical Preceptor (Part Time)
University of Utah Division of Physician Assistant Studies
Hildale Health Fair, Project Homeless, Urban Indian Center.
- 2010-2013 Clinical Supervisor and Physician Assistant (Full Time)
Family Medicine & Occupational Medicine
Bayside Medical Center, El Segundo, CA.
- 2010-2011 Emergency Medicine Physician Assistant (Part Time)
Riverside County Regional Medical Center, Moreno Valley, CA.
- 2008-2010 Family Medicine & Occupational Medicine Physician Assistant (Full Time)
Bayside Medical Center, El Segundo, CA.

PROFESSIONAL HONORS/AWARDS

- 2021 **Nominee:** *Bouvé College of Health Sciences Distinguished Educator Award*
Northeastern University, Boston, MA.
- 2020 **Nominee:** *Bouvé College of Health Sciences Distinguished Educator Award*
Northeastern University, Boston, MA.
- 2015 **Nominee:** *Bouvé College of Health Sciences Distinguished Educator Award*
Northeastern University, Boston, MA.
- 2015 **Recipient:** *Northeastern University PA Program Certificate for Excellence in Teaching*
Northeastern University, Boston, MA.
- 2014 **Recipient:** *Bouvé College of Health Sciences Distinguished Educator Award*
Northeastern University, Boston, MA.

ACADEMIC HONORS/AWARDS

- 2005 *Golden Key International Honors Society*
California State University, Long Beach
- 2006 *Phi Beta Kappa Honors Society, Rho Chapter*
California State University, Long Beach
- 2006 *Phi Kappa Phi Honors Society*
California State University, Long Beach
- 2007 *Student of Distinction Award*
Moreno Valley College/Riverside County Regional Medical Center PA Program
- 2008 *Valedictorian*

SERVICE

Department/Program

- Member, PA Program Admissions Committee, Northeastern University, 2020-present.
- Member, Promotion and Tenure Committee, Department of Applied Psychology (DAP) Northeastern University, 2021.
- Member, Department Central Leadership Team, University of Utah Department of Family and Preventive Medicine. 2019-2020.
- Search Committee Chair, Vice Chair of Clinical Affairs, University of Utah Department of Family and Preventive Medicine, 2018-2019.
- Search Committee Co-Chair, Division Chief, Division of Public Health, University of Utah Department of Family and Preventive Medicine, 2018-2019.
- Member, Department Executive Committee, University of Utah Department of Family and Preventive Medicine. 2018-2020.
- Member, Research and Innovation Strategic Committee, University of Utah Department of Family and Preventive Medicine. 2018-2020.
- Member, Health Studies Fund Review Committee, University of Utah Department of Family and Preventive Medicine. 2018-2020.
- Chair, PA Program Admissions Committee, Northeastern University, 2015-2018.
- Member, PA Program Admissions Committee, Northeastern University, 2013-2014.
- Chair, PA Program Academic Standing Committee, Northeastern University, 2015-2018.
- Chair, PA Program Accreditation & Continuous Self Evaluation Committee, Northeastern University, 2015-2018.
- Member, PA Program Accreditation Committee, Northeastern University, 2013-2015.

Division

- Chair, Division Leadership Committee, University of Utah Department of Family and Preventive Medicine. 2018-2020.
- Chair, Division of Physician Assistant Studies Strategic Planning Committee, University of Utah Department of Family and Preventive Medicine. 2018.

College/University

- Search Committee Member, Bouvé-Roux Jointly Appointed Clinical Faculty Search, Northeastern University, 2021-2022.

- Search Committee Member, Bouvé-Roux Jointly Appointed Tenure Track Faculty Searches (2 lines), Northeastern University, 2021-2022.
- Member, Experiential Learning Strategic Planning Work Group. Northeastern University, 2020-present.
- Member, Bylaws Committee. Northeastern University Bouvé College of Health Sciences, 2020-present.
- Member, Statistical Methods Core Workgroup. Northeastern University Bouvé College of Health Sciences, 2020-present.
- Member, Health Science Education Executive Committee. University of Utah, 2019-2020.
- Member, Advisory Board, Master of Science in Cardiovascular Perfusion. University of Utah School of Medicine, 2018-2020.
- Member, Graduate Program Directors Committee, Northeastern University Bouvé College of Health Sciences, 2015-2018.
- Co-Chair, Interprofessional Education and Research Committee. Northeastern University Bouvé College of Health Sciences, 2016-2018.
- Member, Interprofessional Education and Research Committee. Northeastern University Bouvé College of Health Sciences, 2015-2018.
- Co-author, Graduate Policies and Regulations 2015-2016. Northeastern University Bouvé College of Health Sciences. 2014.
- Member, Graduate Academic Affairs Committee. Northeastern University Bouvé College of Health Sciences, 2013-2014.
- Member, College Operations and Management Task force (COMET). Northeastern University Bouvé College of Health Sciences, 2017-2018.
- Member, One Faculty Task force. Northeastern University Bouvé College of Health Sciences, 2018.

Discipline and Profession: National

- COVID-19 Taskforce, Accreditation Review Commission on Education of the Physician Assistant (ARC-PA). 2020.
- Commission Self-Study Workgroup, Accreditation Review Commission on Education of the Physician Assistant (ARC-PA). 2019-2020.
- Post-Graduate Program Accreditation Workgroup, Accreditation Review Commission on Education of the Physician Assistant (ARC-PA). 2019-2020.
- Accreditation Commissioner, Accreditation Review Commission on Education of the Physician Assistant (ARC-PA). 2019-2020.
- Accreditation Site Visitor, Accreditation Review Commission on Education of the Physician Assistant (ARC-PA). 2016-2020.
- Committee Chair: Grants and Scholarships Review Committee: Physician Assistant Education Association (PAEA). 2018-present.
- Member, Physician Assistant Education Association PACKRAT Standardized Medical Examination committee. 2015-2019.
- Committee Member: Grants and Scholarships Review Committee: Physician Assistant Education Association. 2016-2018.
- Americorps Local Emergency Readiness Team. 2006-2008.

Discipline and Profession: International

- Research Committee Chair: International Association on Physician Assistant Education (IAPAE). 2019-present.

Community Outreach

- Project Homeless Connect, November, 2019. Overseeing students providing free medical evaluations and physicals to members of a community experiencing homelessness in Salt Lake City, UT.
- Hildale Health Fair, July, 2019. Overseeing students providing free pre-participation and school physicals to members of an underserved community in Southern Utah.
- Urban Indian Center, August, 2018. Overseeing students providing diabetes and health screening to members of the Utah Native American Community.
- Hildale Health Fair, July, 2018. Overseeing students providing free pre-participation and school physicals to members of an underserved community in Southern Utah.

Editorial Activity

- Editorial Board Member: Journal of Physician Assistant Education, Physician Assistant Education Association (PAEA). 2018-2022.
- Editor in Chief: Journal of Physician Assistant Education, Physician Assistant Education Association (PAEA). 2022-present.

Peer Review Activity

- *Journal of Health Disparities Research and Quality*. 2014-present.
- *Environmental Pollution*. 2017-present.
- *Environment International*. 2017-present.
- *Journal of Occupational and Environmental Medicine*. 2017-present.
- *PLOS ONE*. 2017-present.
- *International Journal of Hygiene and Environmental Health*. 2018-present.
- *Hypertension*. 2018-present.
- *The Lancet: Planetary Health*. 2018-present.
- *Journal of the American Academy of Physician Assistants*. 2018-present.
- *Journal of Evaluation in Clinical Practice*. 2018-present.
- *BMC Health Services Research*. 2018-present.
- *Journal of Physician Assistant Education*. 2019-present.
- *International Journal of Environmental Research and Public Health*. 2020-present.
- *Clinical Epidemiology*. 2020-present.
- *Environmental Disease*. 2020-present.
- *Reviews in Cardiovascular Medicine*. 2020-present.
- *International Journal of Infectious Disease*. 2020-present.
- *Chemosphere*. 2020-present.
- *Social Sciences and Humanities Open*. 2020-present.
- *Scientific Reports*. 2021-present.

- *Journal of Tropical Pediatrics*. 2021-present.
- *BMJ Open*. 2021-present.
- *Environmental Science and Technology*. 2021-present.
- *BMC Geriatrics*. 2021-present.
- *Ecotoxicology and Environmental Safety*. 2021-present.
- *Environmental Science and Pollution Research*. 2021-present.
- *Diabetology & Metabolic Syndrome*. 2021-present.
- *Atmospheric Environment*. 2022-present.
- *Environmental Science and Pollution Research*. 2022-present.
- *BMC Public Health*. 2022-present.
- *Nature Sustainability*. 2022-present.