

BAONHU NGUYEN TRAN

CURRICULUM VITAE

Center for Anatomical Sciences
Department of Physiology and Anatomy
School of Biomedical Sciences
University of North Texas Health Science Center
3500 Camp Bowie Boulevard
Fort Worth, TX 76107

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EDUCATION

- 2022 – Present Ph.D. in Biomedical Sciences
University of North Texas Health Science Center, Fort Worth, TX
- 2021 Bachelor of Arts in Anthropology, *Summa Cum Laude*
Minor in Korean
University of Texas at Arlington, Arlington, TX

RESEARCH INTERESTS

- Human evolution, climatic adaptation, paleoanthropology, craniofacial morphology

RESEARCH

Published abstracts

- 2023 **Tran, B.**, Ward, L.A., Patabendige, H.H.K., Nair, V.C., Cho, E.O, Yokley, T.R., Dennis, B.H., Maddux, S.D. (2023). Modeling airflow during the nasal cycle in 3D: Implications for variation in human nasal form and function. *American Journal of Biological Anthropology* 180(S75):177-178.
- 2022 **Tran, B.**, Ward, L.A., Thai, E., Maddux, S.D. (2022). An *in silico* method for modeling nasal congestion: Implications for assessing variation in human nasal form and function. *Texas Association of Biological Anthropologists Annual Meeting*.
- 2022 **Tran, B.**, Ward, L.A., Thai, E., Maddux, S.D. An *In Silico* Method for Modeling the Nasal Cycle in 3D: Implications for Assessing Human Nasal Form and Function. *The Federation of American Societies for Experimental Biology Journal* 36(S1). <https://doi.org/10.1096/fasebj.2022.36.S1.R3475>
- Finalist, American Association for Anatomy Undergraduate Student Awards competition at Experimental Biology 2022
- 2022 **Tran, B.**, Ward, L.A., Thai, E., Maddux, S.D. An *in silico* method for modeling the nasal cycle in 3D: Implications for assessing human nasal form and function. *American Journal of Biological Anthropology* 177(S73):184.

RESEARCH FELLOWSHIPS & GRANTS

2022 "Testing expiratory heat-shedding as thermoregulatory mechanism in hot-humid environments." National Science Foundation (Graduate Research Fellowship Program). **Tran, B.**, Principal Investigator; Maddux, S.D., Lead Sponsor. **\$37,000.00/year** (max 3 years)

PROFESSIONAL DEVELOPMENT

2021 Science Communication Workshop
Presented by Jason Organ, Ph.D., Indiana University
Learned how to effectively communicate scientific findings in accordance with different targeted audiences

2021 K5 Metabolic Testing System Training
University of North Texas Health Science Center, Fort Worth, TX
Presented by Carlos Fernandez, COSMED-USA, Inc.
Received hands-on training on how to operate the K5 equipment and software for metabolic testing

2021 Summer Opportunities in Anatomy Research (SOAR) Workshops
University of North Texas Health Science Center, Fort Worth, TX
Presented by Rachel Menegaz, Ph.D.

- Writing a Scientific Abstract
- Designing a Research Poster
- Creating an Academic CV
- Applying to Graduate School
- Works-In-Progress (WIP): 3-minute thesis presentation over summer internship research project with minimal usage of scientific jargon

Software

2021 3D Slicer Software Workshop
University of North Texas Health Science Center, Fort Worth, TX
Protocols for basic segmentation and analysis of CT scans
Presented by Rachel Menegaz, Ph.D.

2021 Amira/Avizo Software Training
University of North Texas Health Science Center, Fort Worth, TX
Protocols for advanced segmentation and analysis of CT scans
Mentor: Lyndee Ward, M.S. (UNTHSC Ph.D. student - Maddux Lab)

2021 Geomagic Studio Software Training
University of North Texas Health Science Center, Fort Worth, TX
Protocols for segmentation/parameterization of 3D mesh models
Mentor: Lyndee Ward, M.S. (UNTHSC Ph.D. student - Maddux Lab)

Certificates & Training

- 2022 - 2024 Basic Life Support (ProCRP®)
Healthcare Provider (BLS) Adult, Child and Infant CFPR/AED
Issued by ProTrainings
Received online BLS training
- 2022 Radiation Safety and Protection for Bone Density Operators
University of North Texas Health Science Center, Fort Worth, TX
Presented by Radcom Associates, Inc.
Received 4 hours of radiation safety training
- 2022 enCORE™ Operator Training
University of North Texas Health Science Center, Fort Worth, TX
Presented by GE Healthcare
Received 16 manufacturing training hours on how to use and operate a
DEXA scanning machine

PROFESSIONAL AFFILIATIONS

- 2022 – Present Texas Association of Biological Anthropologists (TABA)
- 2021 – Present American Association of Biological Anthropologists (AABA)
- 2021 – Present American Association for Anatomy (AAA)
- 2020 – Present Lambda Alpha
University of Texas at Arlington, Arlington, TX
National Anthropology Honor Society

Student organizations

- 2022 – Present PHANatics
Department of Physiology and Anatomy
University of North Texas Health Science Center, TX
Student-led organization
- 2022 – Present Student Association of Biomedical Sciences (SABS)
University of North Texas Health Science Center, Fort Worth, TX
Student-led organization
- 2020-2021 Anthropology Club
Department of Sociology and Anthropology
University of Texas at Arlington, Arlington, TX
Student-led organization

CONFERENCES

- 2023 American Association of Biological Anthropologists (AABA)
92nd Annual Meeting
Reno, Nevada
- 2022 Texas Association of Biological Anthropologists (TABA)
Annual Regional Meeting
Austin, Texas
- 2022 American Association for Anatomy (AAA)
2022 annual meeting at Experimental Biology (FASEB)
Philadelphia, Pennsylvania
- 2022 American Association of Biological Anthropologists (AABA)
91st Annual Meeting
Denver, Colorado

LEADERSHIP POSITIONS

- 2023 Structural Anatomy and Rehabilitation Sciences (SARS) Representative
PHANatics student-led organization, Discipline representative
University of North Texas Health Science Center, Fort Worth, TX
- 2022 School of Biomedical Sciences (SBS) Traditional Core Representative
Class cohort representative for first year Master's and Ph.D. students
University of North Texas Health Science Center, Fort Worth, TX
- 2021 Secretary - Lambda Alpha
University of Texas at Arlington, Arlington, TX
- 2020-2021 Secretary - Anthropology Club
University of Texas at Arlington, Arlington, TX

HONORS AND AWARDS

- 2022 William S. Pollitzer Student Travel Award (**\$500**)
American Association of Biological Anthropologists (AABA)
Awarded an amount of \$500 for travel expenses to attend the AABA 2022
conference in Denver, CO
- 2022 Undergraduate Poster Competition Award Finalist
American Association for Anatomy (AAA)
Chosen as an award finalist for the AAA's undergraduate poster presentation
competitive award category at the 2022 annual meeting

- 2022 Travel Award (**\$300**)
American Association for Anatomy (AAA) / Experimental Biology (FASEB)
Awarded \$300 to new student members of AAA who submitted an abstract for travel expenses to attend and present at the 2022 AAA/FASEB conference in Philadelphia, PA
- 2018-2021 Dean's List
College of Liberal Arts, University of Texas at Arlington, Arlington, TX
Good academic standing every fall and spring semester
- 2018-2021 Maverick Academic Scholarship (**\$8,000** per year)
University of Texas at Arlington, Arlington, TX
Awarded an annual scholarship of \$8,000 per academic year for up to four years in undergraduate studies

VOLUNTEERING ACTIVITIES

Outreach

- June 2023 Texas Academy of Biomedical Sciences (TABS) outreach
Co-led osteology lab with Ph.D. candidate Courtney Miller, and helped with x-ray lab (led by Ph.D. candidate Taylor Robertson)
University of North Teas Health Science Center, Fort Worth, Texas
Event coordinator: Rachel Menegaz, Ph.D.
- May 2023 Gross anatomy lab tour for UNT Dallas undergraduate students, led kidneys and liver station
Center for Anatomical Sciences (CAS) outreach event
University of North Teas Health Science Center, Fort Worth, Texas
Event coordinator: Nicole Crow, M.S., PA(ASCP)^{CM}
- May 2023 Gross anatomy lab tour for Wortham High School students, led kidneys and liver station
Center for Anatomical Sciences (CAS) outreach event
University of North Teas Health Science Center, Fort Worth, Texas
Event coordinator: Nicole Crow, M.S., PA(ASCP)^{CM}
- March 2023 Gross anatomy lab tour for Texas Christian Academy high school students, led osteology and heart stations
Center for Anatomical Sciences (CAS) outreach event
University of North Teas Health Science Center, Fort Worth, Texas
Event coordinator: Nicole Crow, M.S., PA(ASCP)^{CM}
- March 2023 Gross anatomy lab tour for Texas Christian Academy high school students, led osteology station
Center for Anatomical Sciences (CAS) outreach event
University of North Teas Health Science Center, Fort Worth, Texas
Event coordinator: Nicole Crowe, M.S., PA(ASCP)^{CM}

Teaching

- June 2023 TCOM/DPT Pre-Matriculation for Gross Anatomy
Led the internal structure of the heart and heart conductive system stations for incoming TCOM/DPT students; helped proctor a mock lab practical exam
University of North Texas Health Science Center, Fort Worth, Texas
Event coordinator: Scott Maddux, Ph.D.
- May 2023 PHAN 5402 Structural Anatomy Optional Lab Day
Led the brachial plexus lab station for the visiting online Medical Sciences students who took PHAN 5402 in the Spring 2023 semester
University of North Teas Health Science Center, Fort Worth, Texas
Event coordinator: Kate Lesciotto, J.D., Ph.D.