

ANDREW MINH-TRUNG NGUYEN, BS NREMT

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EDUCATION

- 2022-Present** Tufts University School of Medicine; M.S., Health Informatics and Analytics
- 2020** University of California, Los Angeles; B.S, Biology; Minor: Digital Humanities (GPA: 3.94 / 4.00)
Honors: *Summa Cum Laude, Departmental Honors, College Honors*

EMPLOYMENT EXPERIENCE

- 2021-Present** Emergency Medical Technician
COVID Clinic; Irvine, CA
Registers patients, performs COVID tests, and runs operational sites for testing for 400 patients a week
- 2017-Present** Founder and Photographer
AN Photography; Los Angeles, CA
Independently contracts over 150 graduation, event, organization, and wedding photography services
- 2021** Virtual Tutor
Princeton Review; Framingham, MA
Mentors students in college English and essay writing
- Summer 2019** Instructor
Summer Premed Program; University of California, Irvine, School of Medicine
Mentored 50 students in a career in medicine through firsthand medical education
- Summer 2019** Instructor
GPI US: Japan Empowerment; Tokyo, Japan
Created and taught English curriculum to 200 high school students

RESEARCH EXPERIENCE

- 2022-Present** Intramural Research Training Award Fellow
National Institutes of Health Clinical Center; Bethesda, MD
Advisor: Ronald R. Summers, MD, PhD, FSAR, FAIMBE
- 2017-2021** Researcher (2017-2021), Conference Coordinator (2019-2020)
International Circle of Genetics Studies; Minneapolis, MN
Advisor: Carlos A. Tirado, PhD, FACMGG
Led a team of 12 to conduct clinical research projects; created, organized, and lectured at cancer genetics conferences; led an international conference in Peru for 150 professionals
- 2017-2020** Research Intern (2017-2019), Student Coordinator (2019-2020)
Trauma Research Associates Program, Dept. of Surgery; Cedars-Sinai Medical Center
Advisor: Eric J. Ley, MD
Led a team of 20 to conduct clinical research in acute care, traumatic brain injury and predictors of mortality; headed recruitment, onboarding, and administration

Summer 2019 Research Intern
Carpermor Laboratory, Dept. of Cytogenetics; Mexico City, Mexico
Advisor: David Palencia
Collected, analyzed, and diagnosed chromosomal abnormalities from client blood samples

CLINICAL EXPERIENCE

2018-2020 General Volunteer (2018), Clinic Assistant (2019-2020)
Venice Family Clinic; Santa Monica, CA
Independently directed, interviewed, and assessed patient chief complaints and vitals in examination rooms

Summer 2019 Volunteer
Agape International Missions; Phnom Penh, Cambodia
Instructed Vietnamese 100 refugees on dental health; assisted in dental surgeries and patient checkups

Fall 2018 Acute Care Surgery and Surgical Critical Care Volunteer
Pre-Healthcare Volunteer Program; Cedars-Sinai Medical Center
Surgical Intensive Care Unit, Operating Room Observer

2016-2018 Member (2016-2017), Intern (2017-2018)
Vietnamese Community Health; University of California, Los Angeles
Provided hypertension, BMI, and other health services for over 250 patients at quarterly health fairs

ADDITIONAL EXTRACURRICULAR EXPERIENCE

2016-2020 Dancer (2016-2017), Photography Chair (2018-2020)
Foundations Choreography; UCLA
Photographed over 900 beginner and intermediate dancers in weekly workshops and quarterly showcases for the largest hip-hop dance organization on campus; executed 25 yearly photoshoots

2018-2019 Publicity Chair
Southeast Asian Admit Weekend; UCLA
Directed publicity for 150 prospective Southeast Asian students to learn more about their history and culture while pursuing higher education through workshops, tours, and empowerment

2018-2019 Publicity Chair
38th Annual Vietnamese Culture Night; UCLA
Directed publicity, outreach, design, and funding for a \$30,000 performance night advocating for the cultural, educational, political, and social welfare of the Vietnamese community for an audience of 1000

Fall 2018 Publicity Chair
Vietnamese Student Union High School Conference; UCLA
Directed publicity, outreach, and design for a one-day program to assist 150 high school students in their preparation for college through workshops, tours, and empowerment

PUBLICATIONS

- In Submission** **Nguyen, AM**, Tirado, CA. Chromosome Classification Using Novel Preprocessing Feature-Based Convolutional Neural Network.
- 2020** **Nguyen, AM**, Okabe A, Tse V, Tirado CA. T-Cell Acute Lymphoblastic Leukemia: A Cytogenomic Update. *J Assoc Genet Technol.* 2020;46(2):59-73.
- 2020** **Nguyen AM**, Tse V, Lapp K, Yang G, Cunnien K, Serk D, Tirado CA. Molecular Cytogenetic Characterization of a Complex Karyotype of a Pediatric Male Patient with B-Acute Lymphoblastic Leukemia. *J Assoc Genet Technol.* 2020;46(1):24-31.
- 2020** Tirado CA, Reinartz J, Lapp K, Zhao D, **Nguyen AM**, Stieglbauer K. Cytogenetic Findings in a Case of Blastic Plasmacytoid Dendritic Cell Neoplasm (BPDCN). *J Assoc Genet Technol.* 2020;46(1):5-13.
- 2019** Zhao, D, **Nguyen, AM**, Stieglbauer, K, Tirado, CA. Duplication of the band q21q27 on the long arm of chromosome 3: A rare cytogenetic event in B-Chronic Lymphocytic Leukemia (B-CLL). *J Assoc Genet Technol.* 2019;45(2):67-71.
- 2019** Okabe, A, Reyes, A, Murphy, M, Thompson, L, **Nguyen, AM**, Laban, F, Cunnien, K, Wyatt, B, Tirado, CA. Molecular cytogenetic characterization of a karyotype of a female patient with secondary amenorrhea. *J Assoc Genet Technol.* 2019;45(4):180-186.

POSTERS

- 2020** **Nguyen, AM**, Tirado, CA. Chromosome Classification Using Novel Feature-Based Convolutional Neural Network. UCLA Undergraduate Research Week, Los Angeles, California. May 19, 2020.
- 2019** **Nguyen, AM**, Tse, V, Lapp, K, Yang, G, Peng, E, Cunnien, K, Serk, D, Tirado, CA, 2019. Molecular Cytogenetic characterization of a complex karyotype of a pediatric male patient with B-acute lymphoblastic leukemia. American Society of Human Genetics, Houston, Texas. October 15-19, 2019.
- 2019** Zhao, D, **Nguyen, AM**, Lapp, K, Stieglbauer, K, Reinartz, J, Tirado, CA, 2019. Cytogenetic findings in a case of blastic plasmacytoid dendritic cell neoplasm (BPDCN). American Society of Human Genetics, Houston, Texas. October 15-19, 2019.
- 2019** Okabe, A, Reyes, A, Murphy, M, Thompson, L, **Nguyen, AM**, Laban, F, Cunnien, K, Wyatt, B, Tirado, CA, 2019. Molecular cytogenetic characterization of a karyotype of a female patient with secondary amenorrhea. American Society of Human Genetics, Houston, Texas. October 15-19, 2019.
- 2019** **Nguyen, AM**, Okabe, A, Tse, V, Yun, M, Tirado, CA. Cytogenetics of T-Acute Lymphoblastic Leukemia. UCLA Undergraduate Research Week, Los Angeles, California. May 20-24, 2019.
- 2018** **Nguyen, AM**, Zhao, D, Chung, D, Reyes, A, Reinartz, J, Serk, D, Ahmad, J, Bartholomaeus, L, Stieglbauer, K, Tirado, CA. Duplication of the band q21q27 on the long arm of chromosome 3: A rare cytogenetic event in B-Chronic Lymphocytic Leukemia (B-CLL). American Society of Human Genetics, San Diego, California. October 16-20, 2018.

- 2018** **Nguyen, AM**, Zhao, D, Liu, K, Tirado, CA. A t(18;22)(q21;q11) involving IGL/BCL2, A Rare Event in Chronic Lymphocytic Leukemia. UCLA Undergraduate Research Week, Los Angeles, California. May 21-25, 2018.
- 2017** Tirado, CA, Liu, K, **Nguyen, AM**, Crippen, R, Wyatt, B, Peterson, K, Wheaton, S, Serk, K, Cunnien, K, Reinartz, J. A plasma cell myeloma case with an abnormal clone with a t(8;22)(q24.1;q11.2) within the context of a hyperdiploid complex karyotype. American Society of Human Genetics, Orlando, Florida. October 17-21, 2017.

PLATFORMS AND PRESENTATIONS

- 2020** **Nguyen, AM**, Shabsovich, D, Reyes, A, Tse, V, Yeh, W, Yee, J. Cytogenetics Workshop. 2020. Tilden Study Center.
- 2019** **Nguyen, AM**, López, M. Visualizing 19th Century Mexican Los Angeles. 2019. Charles E. Young Research Library.
- 2018** **Nguyen, AM**, Tirado, CA. Cytogenetics of T-Acute Lymphoblastic Leukemia. 2018. International Symposium of Genetics.
- 2018** Liu, K, Crippen, R, Gorgy, G, Salazar, E, Makar, C, **Nguyen, AM**, Zhao, D. Cookies and Chromosomes Workshop. 2017. UCLA Mattel Children's Hospital.
- 2017** Friend, M, Gorgy, I, Makar, C, **Nguyen, AM**, Salazar, E. What is Cytogenetics, and What is its use in Medicine? 2017. Tilden Study Center.

RELEVANT COURSEWORK

Statistics & Probability, Math & Computational Modelling, Introduction to Data Science, Coding for the Humanities, User Experience and Design