

ANDREW MINH-TRUNG NGUYEN, BS NREMT

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EDUCATION

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

2021-Present Virtual Tutor
Princeton Review; Framingham, MA
Mentors students in college English and essay writing

2017-Present Founder and Photographer
AN Photography; Los Angeles, CA
Independently contracts over 150 graduation, event, organization, and wedding photography services

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

2017-2021 Researcher (2017-2021), Conference Chair (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), Research Chair (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
Carpenter 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