

NICHOLAS GENOVESE M.D.
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EDUCATION

East Carolina University, **September 2009 - December 2012**
Bachelor of Science, Biology
Minor: Chemistry
Greenville, NC

Drexel University College of Medicine, **September 2014 - May 2018**
Doctor of Medicine
Philadelphia, PA

University Hospital – Rutgers NJMS, **July 2018- June 2023**
Orthopaedic Surgery Residency Program,
Program Director: Michael Vosbikian, MD
Newark, NJ

Beth Israel Deaconess Medical Center - Harvard Medical School, **August 2023 – July 2024**
Hand and Upper Extremity Fellowship
Program Director: Carl Harper, MD
Boston, MA

PROFESSIONAL EXPERIENCE

St. Luke's University Hospital **September 2024 – July 2025**
Hand and Upper Extremity Surgeon
Phillipsburg, NJ

RESEARCH EXPERIENCE

Medical Student Research Fellow, DUCOM, Philadelphia, PA **January 2015-May 2018**
Mentor: Dr. Martin Herman, Department of Orthopaedic Surgery

- Studying the adequacy of splint application in pediatric orthopaedic population before and after a targeted educational intervention
- Responsible for data gathering and analysis, education, coordination of communication with IRB and between orthopaedic and emergency departments, and co-author of manuscript

Associate Scientist I, GENEWIZ, Inc., South Plainfield, NJ **August 2013-July 2014**

- Responsible for site-directed mutagenesis projects including the designing of primers, PCR amplification reactions, transformation reactions, Sanger Sequencing reactions and data analysis of transformed mutant colonies, and purified plasmid DNA of confirmed mutant constructs.
- Gained professional experience in and executed many other projects while working at GENEWIZ, inc. including 16s rRNA sequencing, Yeast Sequencing, Mutation Analysis, and varying scale plasmid DNA preparations (Mini scale up to Giga scale)

Independent Research, East Carolina University, Greenville, NC **January 2012-December 2012**
Mentor: Dr. Ed Stellwag, Department of Evolutionary Developmental Biology

- Studied the effects of genome duplication, and independent gene loss in Hox Paralog group 2 genes between orthologous conserved non-coding sequences of evolutionary divergent species in patterning morphological structures
- Performed phylogenomic comparative research on the evolution of non-protein coding cis-regulatory enhancer region (R3/R5ER) DNA sequences

PUBLICATIONS

Genovese, N; Rossman, S; Dever, L; Auld, T; “Mycobacterium abscessus Periprosthetic Hip Infection Complicated by Superimposed Polymicrobial Infection: A Case Report.” *JBJS Case connector*, 11(4), Nov 19 (2021). doi: 10.2106/JBJS.CC.21.00058.

Genovese, N; Patel, J; Greendyk, J; Lin, SS; “Primary Tibiotalocalcaneal Fusion for High-risk Complex Ankle Fractures.” In press. *Journal of Foot and Ankle Surgery (Asia Pacific)*, 8, 188-192 (2021). doi: 10.5005/jp-journals-10040-1180.

Genovese, N; Sheldon, SS; “Recurrent Syndesmotic Diastasis Treated with Revision Tightrope Fixation” *Techniques in Foot and Ankle Surgery*, 20(1), 28-37 (2021). doi: 10.1097/BTF.0000000000000315.

Genovese, N; Lin, A; Munoz, M; Mayur, J; Krell, E; Lin, SS; “Orthobiologic Growth Factor Therapy in Foot and Ankle; c h.25; In *Synopsis of Foot and Ankle Surgery*; Thieme Publishers, 2021; in press

Levidy, M; Bach, L; **Genovese, N;** Weiner, A; Lin, SS; Posterior Tibial Tendon Injuries; In *Cain, J.D.; Hogan, M.V. (eds.), Tendon and Ligament Injuries of the Foot and Ankle*. Springer, Cham (2022). doi: 10.1007/978-3-031-10490-9_7.

Genovese, N. Bach, L; Metrione, M; Lin, SS; “PRP in Orthopaedics”; In *Ferneini, E.M.; Landesberg, R.; Halepas, S. (eds.), Platelet Rich Plasma in Medicine*. Springer, Cham (2022). doi: 10.1007/978-3-030-94269-4_4.

Amer, K; Conguista, D; Soussou, T; **Genovese, N;** Ali, K; Vosbikian, M; Ahmed, I; “Timing and Predictors of Surgical Complications Following Open Fixation of Upper Extremity Fractures.” Submitted for publication. *Archives of Bone and Joint Surgery*. 2024.

Genovese, N; Yen, W; Michel, M; Edobor-Osula, F; “Variability in Pediatric Orthopaedic Surgery Fellowship Case Volume Over the Past Decade.” Submitted for publication. *Journal of Pediatric Orthopaedics*. 2024.

Genovese, N; Vosbikian, M; Ahmed, I; “Treatment of Radial Head Arthroplasty Infection with an Articulating Cement Spacer: A Surgical Technique.” Submitted for publication. *Techniques in Hand & Upper Extremity Surgery*. 2024.

Genovese, N; Vosbikian, M; Ahmed, I; “Dynamic Skeletal Fixation of Proximal Interphalangeal Joint Fracture Dislocations: An In Vitro Human Cadaveric Study Using Biplanar Videoradiography.: In progress 2024.

PRESENTATIONS & CONFERENCES

Genovese N, Johnson A, Ralles S, Hill B, Herman M. “*Targeted Educational Intervention Does Not Effectively Decrease Splinting Errors in the Pediatric Emergency Department.*” Presented at American Academy of Pediatrics on September 16, 2017.

Johnson A, Ralles S, **Genovese N,** Hill B, Herman M. “*Targeted Educational Intervention Does Not Effectively Decrease Splinting Errors in the Pediatric Emergency Department.*” Presented at American Academy of Orthopedic Surgeons on March 17, 2017.

Genovese N, Hill B, Johnson A, Ralles S, Herman M. “*The effectiveness of Clinical Intervention on Decreasing the Incidence of Improperly Applied Splints,*” Presented at Drexel University College of Medicine Discovery Day on October 8, 2015.

LEADERSHIP & MENTORSHIP EXPERIENCE

- Surgical Skills Coordinator** *Rutgers NJMS, Newark, NJ* **October 2019- June 2023**
- Raised over \$10,000.00 in grants to provide cadavers for junior residents during our bi-annual surgical skills lab
- Mentor**, *Big/Little Program, DUCOM, Philadelphia, PA* **September 2015-May 2018**
- Volunteer as a mentor in Drexel's Big/Little program. Providing insight and guidance to a first-year medical student they navigate the academics, extracurricular experiences and career options while also maintaining wellbeing and balance during medical school
- Mentor**, *Legacy Youth Tennis Community Outreach, Philadelphia, PA* **September 2014-March 2015**
- Volunteered with Legacy Youth Tennis, an organization working to create and promote opportunities to improve the quality of life of young people through tennis and education
 - Worked with children ages four to eighteen, many from underserved, at-risk, multicultural populations at community centers throughout Philadelphia to host tennis and life skills camps

VOLUNTEER & EXTRACURRICULAR ACTIVITIES

- Volunteer**, *St. Peter's University Hospital, New Brunswick, NJ* **September 2013-June 2014**
- Volunteered twice a week in the oncology department specifically with hospice end of life patients
 - Responsible for answering call bells, providing company and comfort to patients as needed
- Volunteer**, *Elijah's Promise, New Brunswick, NJ* **February 2012-June 2014**
- Volunteered twice a month at community soup kitchen providing meals for low-income individuals
 - Responsible for prepping, cooking, serving, and cleaning for lunch and dinner meals

PROFESSIONAL MEMBERSHIPS & AWARDS

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| American Society for Surgery of the Hand (ASSH) – Candidate | 2022 – Present |
| Member Rutgers NJMS Chief Resident Award | June 2023 |
| Rutgers NJMS Resident Teaching Award | June 2023 |

PROFESSIONAL LICENSURE

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| California Medical License | June 2024 – August 2026 |
| New Jersey Medical License | July 2024 – June 2025 |
| Pennsylvania Medical License | July 2024 - December 2024 |
| American Board of Orthopedic Surgeon Part 1
-Part II Board Eligible | Passed |

INTERESTS

Golf, tennis, skiing, cooking