

**Curriculum Vitae**  
**Mark Eugene Nunes, M.D.**  
Updated: January 2025

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## **Contact Information**

**Work Address:**

Cure 4 The Kids Foundation  
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Las Vegas, NV 89135

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## **Current Position**

**Director of Genetics, Genomics, and Metabolism**

Cure 4 The Kids Foundation (C4K), Las Vegas, NV

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## **Narrative of Expertise**

Dr. Mark Eugene Nunes is a nationally recognized expert in Medical Genetics and Pediatric care. Over his storied career, Dr. Nunes has contributed to groundbreaking advancements in the diagnosis and management of rare genetic disorders, leveraging his deep expertise in clinical molecular genetics and genomics. As the Director of the Genetics Programs at Cure 4 The Kids Foundation (C4K) in Las Vegas, NV, he spearheads efforts to provide cutting-edge genetic services to pediatric populations, addressing complex hereditary conditions and rare diseases.

Dr. Nunes is proud of his efforts in “translational genomics”, known for his innovative approaches to integrating next-generation sequencing (NGS) technologies into clinical practice, ensuring cost-effective and timely diagnostics for patients. His commitment to research in metabolic bone diseases, including hypophosphatasia, has led to the development of diagnostic and treatment guidelines adopted internationally. He has also been a leading voice in the ethical, legal, and social implications (ELSI) of genetic testing, shaping policies and practices that balance scientific advancement with patient advocacy.

In addition to his clinical and research contributions, Dr. Nunes is a highly sought-after educator and mentor, holding academic appointments at the University of California, San Diego, and previously at other prestigious institutions. His dedication to workforce development and the training of future geneticists ensures a legacy of excellence in the field of medical genetics.

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## Education

- **1980-1984:** B.Sc. in Genetics, Summa Cum Laude, University of California, Davis, CA
- **1984-1989:** M.D., F. Edward Hebert School of Medicine, Uniformed Services University of the Health Sciences, Bethesda, MD

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## Post-Graduate Training

- **1989-1990:** Internship, Pediatrics, David Grant US Air Force Medical Center, Travis Air Force Base, CA
- **1990-1992:** Residency, Pediatrics, David Grant US Air Force Medical Center, Travis Air Force Base, CA
- **1992-1994:** Senior Fellow, Clinical Medical Genetics, University of Washington, Seattle, WA
- **1994-1995:** Senior Fellow, Clinical Molecular Genetics and Medical Teratology, University of Washington, Seattle, WA
- **2003-2005:** Ewing Fellow, Child Protection and Forensic Pediatrics, Inova Fairfax Hospital for Children, Fairfax, VA

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## Board Certification

- **1990:** National Board of Medical Examiners
- **1992, 1999, 2006, 2016, 2023:** American Board of Pediatrics
- **1996, 2006, 2009, 2019, 2022:** American Board of Medical Genetics (Clinical Molecular Genetics)
- **1999, 2009, 2019, 2022:** American Board of Medical Genetics (Clinical Genetics)

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## Medical Licensure

- **California:** 1992-1994, 2008-present
  - **Washington:** 1992-2003
  - **Georgia:** 2002-2004
  - **Virginia:** 2002-2006
  - **Ohio:** 2005-2010
  - **Nevada:** 2024-present
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## Academic Appointments

- **1995:** Acting Instructor, Pediatrics, University of Washington, Seattle
  - **1998:** Assistant Professor of Pediatrics, Uniformed Services University of the Health Sciences, Bethesda, MD
  - **2005:** Clinical Associate Professor, Pediatrics, Ohio State University, Columbus, OH
  - **2009:** Clinical Associate Professor, Pediatrics, University of California, San Diego
  - **2013-present:** Professor, Pediatrics (Affiliate), University of California, San Diego
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## Professional Experience

- **2024-present:** Director, Genetics Programs, Cure 4 The Kids Foundation (C4K), Las Vegas, NV
  - **2013-2024:** Director, Medical Genetics and Metabolism, Valley Children's Healthcare, Madera, CA
  - **2008-2013:** Division Chief of Genetics, Kaiser Permanente San Diego
  - **2005-2008:** Co-Director, Metabolic Bone Clinic, Nationwide Children's Hospital, Columbus, OH
  - **1998-2005:** Director, USAF DNA Diagnostic Laboratory, Keesler USAF Medical Center
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## Honors & Awards

- **1980:** Cal Aggie Alumni Association Scholarship, University of California
  - **1981-1984:** Dean's List, University of California, Davis
  - **1992:** Helene Thorpe Memorial Case Report Prize, David Grant Medical Center
  - **1994-1995:** Child Health Research Center New Investigator Award, University of Washington
  - **2004:** Ziai Award of Excellence, Pediatric Housestaff "Teacher of the Year"
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## Research Interests

- Rare genetic disorders in pediatric populations
  - Hypophosphatasia and metabolic bone diseases
  - Cost-effectiveness of next-generation sequencing in clinical practice
  - Ethical, legal, and social implications of genetic testing
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## Selected Publications

1. Nunes ME, et al. "Hypophosphatasia: Diagnostic and Management Guidelines for Children." *Osteoporosis International*. 2024.
  2. Levy DJ, Nunes ME, et al. "Improved Detection of Congenital Heart Disease Using Integrated Prenatal Care." *Pediatric Cardiology*. 2013.
  3. Farwell Hagman KD, Shinde DN, Nunes ME, et al. "Diagnostic Exome Sequencing for Undiagnosed Diseases." *Genetics in Medicine*. 2017.
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## Professional Memberships

- American Academy of Pediatrics (Fellow)
  - American Society of Human Genetics
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## Committees and Leadership Roles

- **2024-present:** Member, Nevada Rare Disease Advisory Council (NV-RDAC)
  - **2004-present:** Advising Member, Social, Ethical, and Legal Issues (SELI) Committee, American College of Medical Genetics
  - **2006-2012:** Member, Social Issues (ELSI) Committee, American Society of Human Genetics
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## Invited Presentations

- "The Future of Genetics in Pediatric Care," Nevada Rare Disease Advisory Council Annual Meeting, Las Vegas, NV, 2025.
  - "Advances in Hypophosphatasia Diagnosis," International Hypophosphatasia Working Group, 2024.
  - "Genomic Medicine: Bridging Research and Practice," American Society of Human Genetics Annual Meeting, 2023.
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## References

Available upon request.