



## Helio Costa

- Instructor, Pathology
- Instructor, Biomedical Data Science

### CLINICAL OFFICES

- **Molecular Genetic Pathology Laboratory**

3375 Hillview Ave Rm 2201

MC 5563

Palo Alto, CA 94304

**Tel** (209) 581-1997      **Fax** (650) 724-1567

### Bio

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#### BIO

Helio Costa, PhD, is a geneticist with a background in genomics, molecular biology, oncology, and bioinformatics. He is currently an Instructor within the Departments of Pathology and Biomedical Data Science at Stanford Medical School where his research focuses on clinical diagnostics assay development using next-generation DNA and RNA sequencing. He is also an Attending Geneticist, and Assistant Lab Director of the Molecular Genetic Pathology Laboratory for Stanford Health Care. Dr. Costa received his BS in Genetics from University of California, Davis, his PhD in Genetics from Stanford University School of Medicine, and his ABMGG Clinical Molecular Genetics and Genomics fellowship training from Stanford University School of Medicine.

#### CLINICAL FOCUS

- Clinical Molecular Genetics
- Molecular Oncology
- Molecular Pathology
- Medical Genetics

#### ACADEMIC APPOINTMENTS

- Instructor, Pathology
- Instructor, Biomedical Data Science
- Member, Child Health Research Institute

#### ADMINISTRATIVE APPOINTMENTS

- Assistant Lab Director, Molecular Genetic Pathology Laboratory, (2017- present)

#### PROFESSIONAL EDUCATION

- Fellowship, Stanford University School of Medicine , ABMGG Clinical Molecular Genetics and Genomics (2017)
- Doctor of Philosophy, Stanford University School of Medicine , Genetics (2015)
- Bachelor of Science, University of California, Davis , Genetics (2010)

## LINKS

- LinkedIn: <https://linkedin.com/in/helio-costa>
- Twitter: [https://twitter.com/HelioA\\_Costa](https://twitter.com/HelioA_Costa)

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Informatics (Phd Program)

## Publications

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### PUBLICATIONS

- **Promoting appropriate genetic testing: the impact of a combined test review and consultative service.** *Genetics in medicine*  
Suarez, C. J., Yu, L., Downs, N., Costa, H. A., Stevenson, D. A.  
2017
- **Identification of a Novel Somatic Mutation Leading to Allele Dropout for EGFR L858R Genotyping in Non-Small Cell Lung Cancer** *Molecular Diagnosis & Therapy*  
Costa, H. A., Neal, J. W., Bustamante, C. D., Zehnder, J. L.  
2017
- **Discovery and functional characterization of a neomorphic PTEN mutation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Costa, H. A., Leitner, M. G., Sos, M. L., Mavrantoni, A., Rychkova, A., Johnson, J. R., Newton, B. W., Yee, M., De La Vega, F. M., Ford, J. M., Krogan, N. J., Shokat, K. M., Oliver, et al  
2015; 112 (45): 13976-13981
- **Transcriptome sequencing from diverse human populations reveals differentiated regulatory architecture.** *PLoS genetics*  
Martin, A. R., Costa, H. A., Lappalainen, T., Henn, B. M., Kidd, J. M., Yee, M., Grubert, F., Cann, H. M., Snyder, M., Montgomery, S. B., Bustamante, C. D.  
2014; 10 (8)