CURRICULUM VITAE - CV

GEORGIOS STAMOULIS, PhD

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Director of Product Management | Product & AIStrategy Leader | Molecular Geneticist| Rare diseases | Precision Medicine

EXECUTIVE IDENTITY

Commercially minded genomics platform, product and AI strategy leader with 15+ years of experience driving innovation, product strategy, commercialization, and enterprise adoption across molecular diagnostics, clinical genomics software, integrated diagnostics solutions, and precision medicine.

EXECUTIVE SUMMARY

Strategic genomics leader with deep expertise spanning molecular diagnostics, genomic interpretation platforms, AI-enabled clinical workflows, rare disease diagnostics, oncology, hereditary disease testing, and precision medicine. Proven track record leading product strategy, platform evolution, commercialization, and portfolio growth for integrated diagnostics solutions combining NGS assays, bioinformatics pipelines, genomic interpretation software, and clinical decision-support technologies.

Experienced operating at the intersection of science, software, AI strategy, product architecture, and business leadership. Recognized for translating complex clinical genomics challenges into scalable digital products, clinically actionable workflows, and commercially successful precision medicine solutions.

CORE COMPETENCIES

Product & AI Strategy | Genomics Platforms | Molecular Diagnostics | Precision Medicine | Clinical Genomics | Genomic Interpretation | Clinical Decision Support | Integrated Diagnostics | Product Roadmaps | Product Architecture | Bioinformatics | NGS | Clinical Exome | Rare Disease | Oncology | Product Lifecycle Management | Commercialization | Enterprise Customer Engagement | Executive Stakeholder Management | Cross-Functional Leadership

SELECTED PLATFORM INNOVATION ACHIEVEMENTS

• Conceived, led development, and launched a genomic variant reinterpretation and alerting capability enabling continuous monitoring of emerging scientific evidence and automated identification of clinically meaningful variant reclassifications.
• Led development of integrated Clinical Exome solutions combining NGS assay products and genomic interpretation software supporting rare disease diagnostics globally.
• Delivered advanced interpretation capabilities including Clinical Exome v3, Trio Analysis, Mode of Inheritance (MoI) workflows, EMR integration features, and reporting capabilities.
• Drove >25% annual portfolio growth at QIAGEN and helped scale Clinical Exome revenue from approximately $600K to more than $7M in SOPHIA GENETICS at the first years of of product.
• Partnered with Product Architects, Engineering, Bioinformatics, Medical Affairs, and enterprise customers including Natera, Labcorp, and NeoGenomics to drive platform evolution and customer adoption.

PROFESSIONAL EXPERIENCE

QIAGEN
Director, Global Product Management and AI Strategy – Rare Diseases & Precision Medicine

Geneva, Switzerland | Dec 2021 – 2025

- Led global product strategy, AI-enabled platform evolution, and commercialization initiatives for genomic interpretation and clinical decision-support solutions supporting rare disease and oncology diagnostics.
- Owned product strategy, roadmap direction, and portfolio evolution for QIAGEN Clinical Insight (QCI) and associated genomic interpretation solutions.
- Directed a team of Product Managers, Product Owners, Product Architects, and Scientific Project Managers while influencing broader Engineering, Bioinformatics, Regulatory, Medical Affairs, Quality, Operations, and Commercial organizations.
- Conceived, led development, and launched a genomic variant reinterpretation and alerting capability enabling continuous evidence monitoring and identification of clinically meaningful variant reclassifications.
- Drove AI-enabled product strategy initiatives supporting scalable genomic interpretation, clinical decision support, and enterprise diagnostic workflows.
- Guided strategic evolution of QCI Interpret and associated genomic knowledge assets including HGMD and COSMIC.
- Partnered with enterprise customers including Natera, Labcorp, NeoGenomics, academic medical centers, and leading diagnostic laboratories to align platform evolution with customer requirements.
- Supported strategic healthcare initiatives including NHS newborn screening-related programs and broader precision medicine initiatives.
- Delivered sustained portfolio growth exceeding 25% annually through platform innovation, commercialization, and customer adoption.

SOPHiA GENETICS

Global Clinical Application Product Manager – Clinical Genomics Platforms, Rare Disease & Hereditary Disease Solutions

Geneva, Switzerland | Sep 2017 – Nov 2021

- Led global product strategy, platform development, and commercialization initiatives for integrated Clinical Exome, hereditary disease, and genomic interpretation solutions within the SOPHiA DDM platform.
- Owned end-to-end product strategy and lifecycle management for integrated rare disease solutions encompassing both NGS assay products and genomic interpretation software.
- Led development and launch of Clinical Exome Solution, including both sequencing assay products and associated interpretation workflows.
- Drove creation of Clinical Exome v3, Trio Analysis capabilities, Mode of Inheritance (MoI) tools, advanced interpretation workflows, reporting features, and EMR integration capabilities.

- Partnered with Product Architects, Engineering, Bioinformatics, Regulatory, and Commercial teams to evolve enterprise-scale genomic interpretation workflows.
- Led development of integrated diagnostics solutions combining NGS chemistry, bioinformatics analysis, interpretation software, and clinical reporting capabilities.
- Established strategic foundations supporting future Whole Genome Sequencing (WGS) and expanded genomic analysis capabilities.
- Scaled Clinical Exome business from approximately $600K to more than $7M in annual revenue while doubling portfolio revenue year-over-year through product innovation, customer adoption, and international commercialization.
- Represented SOPHiA GENETICS globally with customers, KOLs, academic medical centers, and leading genomics conferences.

UNIVERSITY OF GENEVA

Senior Research Assistant / Molecular Geneticist

Geneva, Switzerland | Sep 2011 – Sep 2017

- Conducted advanced genomics research focused on Mendelian disease discovery, whole exome sequencing (WES), whole genome sequencing (WGS), single-cell transcriptomics, and precision medicine.
- Contributed to discovery of novel disease-causing genes through genomic analysis of rare disease cohorts and consanguineous families.
- Developed expertise in genomic interpretation, variant prioritization, phenotype-driven analysis, and clinical genomics workflows.
- Published high-impact peer-reviewed research including first-author publication in Nature Communications.

UNIVERSITY OF LIVERPOOL,UK

Senior Research Assistant

Liverpool, United Kingdom | Dec 2010 – Sep 2011
• Conducted translational oncology research and molecular characterization of lung cancer patient samples.

PHARMANEL PHARMACEUTICALS

Microbiology Laboratory Supervisor

Greece | Sep 2008 – Sep 2009
• Managed microbiology quality control activities within a GMP-regulated pharmaceutical environment.

EDUCATION

PhD, Human-Medical Genetics
University of Geneva, Switzerland

MSc (Med Sci), Medical Genetics (Top 10% of Class)
University of Glasgow, United Kingdom

Research Scholarship
University of Pennsylvania, United States

BSc, Molecular Biology & Genetics
Democritus University of Thrace, Greece

PUBLICATIONS & SCIENTIFIC CREDIBILITY

• First Author, Nature Communications (2019): Single-cell transcriptome analysis in aneuploidies reveals mechanisms of gene dosage imbalance.

• Author and co-author of multiple peer-reviewed publications in genomics, rare disease gene discovery, transcriptomics, biomimetic digital twins for reclassification of variants, and precision medicine.

• More than 20 presentations and invited talks at ACMG, ASHG, ESHG, AMP, HUGO, and other leading international genomics conferences.

AWARDS & RECOGNITION

• Fellowship of Excellence for Young Investigators – European Society of Human Genetics (ESHG)
• University of Pennsylvania Research Scholarship Recipient
• Multiple scientific awards and recognitions for contributions to genomics and rare disease research.

TECHNICAL EXPERTISE

Platforms: QCI Interpret, SOPHiA DDM, HGMD, COSMIC, Mastermind, Varsome, GeneMatcher, OMIM, gnomAD, UCSC Genome Browser
Domains: Clinical Genomics, Precision Medicine, Molecular Diagnostics, Rare Disease, Oncology, Genomic Interpretation, Clinical Decision Support, NGS, Clinical Exome, WES, WGS, Precision medicine
Tools: Jira, Confluence, Salesforce, Microsoft Dynamics 365, R Statistical Software

LANGUAGES

Greek (Native) | English (Fluent) | French (Professional Working Proficiency)

References available upon request