

DIVYA KRISHNAN MR

Clinical Genomics & Molecular Diagnostics Specialist | DHA Licensed Healthcare Technologist – Medical Laboratory

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PROFESSIONAL SUMMARY

DHA Licensed Healthcare Technologist with 7+ years of professional experience across Clinical Genomics, Medical Genetics, Molecular Diagnostics, Next-Generation Sequencing (NGS), Variant Interpretation, and IVF Laboratory Operations. Experienced in handling clinical NGS workflows including Whole Exome Sequencing (WES), Single-Gene Testing, and Gene Panel Testing, with hands-on expertise in variant calling, filtering, annotation, ACMG/AMP-based classification, genomic database analysis, and clinical report generation. Analyzed 5,000+ clinical and research genomic samples and contributed to CAP- and ISO-aligned laboratory quality systems and GenQA proficiency testing. Also experienced in scientific coordination, healthcare collaboration, laboratory operations, and multidisciplinary communication, with openness to closely related healthcare, laboratory, scientific, and biology-focused roles.

WORK EXPERIENCE

GPDx Specialist

Igenomix, Part of Vitrolife Group | Dubai, UAE | April 2021 – April 2026

- Performed NGS data analysis for more than 5,000 clinical and research samples, supporting genomic testing and diagnostic workflows.
- Handled NGS-based testing workflows including Whole Exome Sequencing (WES), Single-Gene Testing and Gene Panel Testing.
- Performed variant calling, filtering, annotation and clinical interpretation of genomic data.
- Classified genomic variants in accordance with ACMG/AMP guidelines using evidence-based interpretation approaches.
- Utilized ClinVar, gnomAD, HGMD and other relevant genomic resources to assess variant evidence and support clinical interpretation.
- Prepared, reviewed and validated clinical genomic reports while maintaining accuracy, consistency and appropriate documentation.
- Supported laboratory quality assurance activities and compliance with CAP and ISO quality standards.
- Participated in GenQA international proficiency testing programs and collaborated with clinical geneticists, molecular pathologists and bioinformatics teams.

Key Achievements

- Analyzed 5,000+ genomic samples across clinical and research workflows.
- Contributed to consistent GenQA proficiency testing performance and international laboratory quality requirements.
- Supported improved accuracy and consistency in clinical genomic reporting and interpretation.

Scientific Coordinator

Genetrics General Trading & Healthcare Technologies LLC | Dubai, UAE | March 2020 – March 2021

- Reviewed clinical test reports and supported the interpretation and communication of scientific information.
- Coordinated with major hospitals, diagnostic laboratories and healthcare organizations across the UAE.
- Supported scientific collaborations and maintained professional communication with healthcare stakeholders.
- Assisted business development activities within the UAE and GCC healthcare sectors.
- Prepared and communicated scientific and technical information to support healthcare-related discussions and collaborations.
- Coordinated with internal and external teams to facilitate smooth delivery of scientific and healthcare-related activities.

Genome Analyst – Medical Genetics

MedGenome Labs Pvt. Ltd. | Bangalore, India | 2018 – 2019

- Analyzed NGS sequencing data associated with inherited germline genetic disorders.
- Worked on genomic testing workflows including Whole Exome Sequencing (WES), Single-Gene Testing and Gene Panel Testing.
- Performed variant filtering, annotation and interpretation using established clinical and scientific evidence.
- Classified genetic variants according to ACMG guidelines and supported evidence-based clinical interpretation.
- Generated more than 1,000 clinical genetic reports with appropriate documentation and quality checks.
- Conducted literature reviews and evaluated scientific evidence relevant to genetic variant interpretation.
- Collaborated with laboratory and bioinformatics teams to support data quality, workflow accuracy and clinical reporting.

Junior Andrology Laboratory Technician
Pran Fertility & Well Women Center | Trivandrum, India | 2016 – 2018

- Supported IVF and ICSI laboratory procedures, including assistance during oocyte retrieval and related laboratory activities.
- Assisted with embryo handling, culture-related laboratory procedures and cryopreservation activities.
- Performed semen analysis and supported sperm preparation and cryopreservation procedures.
- Prepared and handled IVF laboratory media according to established laboratory procedures.
- Maintained laboratory equipment, consumables and work areas in accordance with quality and safety requirements.
- Supported routine quality control procedures and maintained appropriate laboratory documentation.
- Worked closely with clinical and laboratory teams to support smooth and timely reproductive laboratory operations.

EDUCATION

Master of Science (M.Sc.) – Biotechnology
Cochin University of Science and Technology (CUSAT) | 2014 – 2016
First Class with Distinction

Bachelor of Science (B.Sc.) – Botany & Biotechnology
University of Kerala | 2011 – 2014

CORE COMPETENCIES

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| <ul style="list-style-type: none">• Clinical Genomics & Medical Genetics• Next-Generation Sequencing (NGS)• Whole Exome Sequencing (WES)• Single-Gene Testing• Gene Panel Testing• Germline Variant Analysis• Variant Calling, Filtering & Annotation• ACMG/AMP Variant Classification• Clinical Variant Interpretation• Genomic Data Analysis• Scientific Literature Review• Clinical Data Review & Validation | <ul style="list-style-type: none">• Clinical Genetic Report Generation• Carrier Screening• Genomic Database Analysis• ClinVar, gnomAD & HGMD• Molecular Diagnostics• Laboratory Quality Assurance• CAP & ISO Quality Standards• GenQA Proficiency Testing• IVF & ICSI Laboratory Operations• Scientific Coordination• Healthcare & Laboratory Collaboration• Cross-Functional Team Coordination |
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LICENSES & CERTIFICATIONS

- DHA Licensed Healthcare Technologist – Medical Laboratory | Active
- Level 3 HACCP – Royal Society for Public Health, London
- Clinical Research & Pharmacovigilance Certification
- Intellectual Property Rights Workshop
- Training in Biofertilizers, Biopesticides & Biocontrol Agents
- IELTS – Overall Band Score: 7.0

CONFERENCE ABSTRACTS & SCIENTIFIC CONTRIBUTIONS

- European Society of Human Genetics (ESHG) Annual Conference, Vienna, Austria, 2022. Potential role of FOXL2 gene missense variations in women with history of recurrent miscarriages. Authors: Sri Hari Chandan Appikonda, **Divya Krishnan**, Sudhanshu Kumar, Reshma Vasudevan, Neetha John, Lova Matsa
- Alkandari F, Almulla A, Matsa L, Al-Balool **H, Krishnan D**, Alaqeel A. First proved case of autosomal dominant ATP6V1B1-related renal tubular acidosis: experience with whole genome sequencing data. Submitted to the European Society of Human Genetics (ESHG) Annual Conference, 2023

PROFESSIONAL SKILLS

- Clinical genomic data analysis and interpretation
- Evidence-based assessment of genetic variants
- Preparation, review and validation of clinical reports
- Interpretation of genomic evidence using established databases and guidelines

- Laboratory quality control, documentation and compliance
- Coordination with geneticists, pathologists, bioinformaticians and healthcare institutions
- Scientific communication and technical documentation
- Review of clinical laboratory test reports
- Research literature analysis and scientific evidence review
- Healthcare stakeholder coordination
- IVF laboratory procedures and reproductive laboratory support
- Ability to adapt scientific expertise to laboratory, healthcare, administrative and educational environments

LANGUAGES

- English
- Malayalam
- Tamil
- Hindi

VISA/RESIDENCY STATUS

- UAE Residence Visa – Spouse Sponsorship