

# Ana Altunashvili

**Date of birth:** 31/01/1996

**Nationality:** Georgian

## CONTACT

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## WORK EXPERIENCE

**NV-Genetics Ltd** Tbilisi, Georgia

### Manager of Molecular Genetics Laboratory

01/03/2024 – Current

The laboratory focuses on molecular genetic diagnostics for oncology.

- Perform a range of molecular genetics tests, including
  - Next-Generation Sequencing (NGS): Plan, execute, and analyze whole experiments
  - Sanger Sequencing and Fragment Analysis with Capillary Electrophoresis
  - Data analysis: Analyze data using bioinformatics tools and software
  - Polymerase Chain Reaction (PCR)
- Develop and maintain Quality Control documents
- Create and update Standard Operating Procedures (SOPs)
- Implement new technologies, methods, and diagnostic tests

**Medical Laboratory MyLab Ltd** Tbilisi

### Biologist

01/03/2024 – Current

- Perform blood analyses (SYSMEX XN-350)
- Conduct immunological tests (Roche cobas e411 / ELISA)
- Perform biochemical analyses (Roche cobas e111)
- Perform ELISA tests
- Perform PCR tests (Thrombophilia, STIs, HPVs, Hepatitis B/C)
- Execute laboratory protocols and adhere strictly to Standard Operating Procedures (SOPs)

**Molecular Diagnostics Laboratory "Raygen" Ltd** Tbilisi, Georgia

### Molecular Biologist

01/05/2021 – 01/07/2022

- Performed PCR tests (Covid molecular diagnostic, HPV and STIs diagnostic)
- Performed Fragment Analysis with Capillary Electrophoresis (Thrombophilia diagnostic)
- Permanent training
- Write SOPs and execute laboratory protocols
- Managed the coordination and interpretation of external quality control samples.
- Facilitated the introduction and validation of new diagnostic tests and technologies.

**Cito Medical Center Ltd** Tbilisi

### Molecular Biologist

22/06/2020 – 01/07/2021

- Managed the coordination and interpretation of external quality control samples.
- Facilitated the introduction and validation of new diagnostic tests and technologies.
- Performed PCR tests (Covid diagnostic, HPV, STIs, Thrombophilia, Hepatitis B/C)
- Permanent trainings
- Write SOP's and execute laboratory protocols

**Georgian Organization of Cancer Research Ltd** Tbilisi, Georgia

### Molecular Biologist /Research Scientist

04/07/2018 – 01/06/2020

The laboratory specializes in the field of molecular and genetic testing for cancer and leukemia.

- Perform DNA/RNA extraction procedures from Blood and FFPE blocks.
- Perform PCR test (Leukemia Panels, BRAF/EGFR/NRAS/KRAS mutations detection, FMF diagnostic)
- Perform Flow Cytometry analyses for the precise identification and classification of leukemia subtypes
- Conduct a thorough data analysis to interpret test results
- Participate in the planning and execution phases of introducing and implementing novel diagnostic PCR tests
- Quality Control

#### **R.G. Lugar Center for Public Health Research at National Center for Disease Control & Public Health**

Tbilisi, Georgia

#### **Intern at National Center for Disease Control and Public Health**

01/02/2018 – 01/08/2018

### **EDUCATION AND TRAINING**

**13/10/2018 – 02/06/2022** Tbilisi, Georgia

#### **Master's degree in Molecular Biosciences** Ilia State University

Website <https://iliauni.edu.ge/en/>

**01/09/2014 – 13/07/2018** Tbilisi

#### **Bachelor's degree in Biology** Ivane Javakhishvili Tbilisi State University

Website <https://www.tsu.ge/en>

**28/04/2024 – 28/04/2024** Tbilisi, Georgia

#### **Certificate of completion ISO 15189:2012/2015 Interpretation and Understanding, Overview of General Principles training** GeLab-Georgian Laboratory Association

Website <https://www.gelab.org.ge/en>

**04/10/2022 – 24/01/2023** Tbilisi

#### **Certificate of completion Quantori QA School** Quantori LTD

I learned to work with the following topics, technologies, and tools:

- Introduction to Agile
- Types of testing
- Test documents
- Basics of web technologies
- Manual and automated API testing with Postman
- Linux and Docker practice
- Introduction to BDD method

Website <https://quantori.com/>

**03/11/2022 – 07/11/2022** Tbilisi

#### **Certificate of completion 2D and 3D Cell Culture/Cultivation training** Carl Zeiss Microscopy Education and Research Center of New Vision University

Website <https://newvision.ge/en>

**01/07/2022 – 31/07/2022** Tbilisi

#### **Certificate, professional development Laboratory Health And Safety training** Ivane Javakhishvili Tbilisi State University and European Union For Georgia

Website <https://www.tsu.ge/en>

**19/06/2021 – 23/06/2021** Tbilisi, Georgia

#### **Certificate of completion The SmartStart™ Orientation for Ion GeneStudio™ S5 Systems featuring the Ion ReproSeq™ PGS kit workflow training** Thermo Fisher Scientific

Website <https://www.thermofisher.com/ge/en/home.html>

13/10/2018 – 17/10/2018 Vienna, Austria

**Certificate of completion RealFast Assay and StripAssay training** ViennaLab Diagnostics GmbH

Website <https://www.viennalab.com/>

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Georgian

**Other language(s):**

**English**

**Listening** B2

**Spoken production** B2

**Reading** B2

**Spoken interaction** B2

**Writing** B2

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*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## SKILLS

Microsoft Office | Python Programming - Basics | Java Script - Basics | HTML / CSS