



Andreas Venizelos

PhD Candidate

K.G.Jebesen Center for Genome Directed Cancer Therapy

Dept. of Clinical Science

University of Bergen, Bergen, Norway

13 August 1988

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Social Network

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Languages

🇬🇷 Greek *mother tongue* ● ● ● ● ●
 🇺🇸 English ● ● ● ● ●
 🇩🇪 German ● ● ● ● ●
 🇳🇴 Norwegian Bokmål ● ● ● ● ●

IT skills

- Programming language: Perl, Python, R
 Operating System: MS Windows, Linux, MacOS

- Bioinformatics Applications: Bioconductor, Biopython, BLAST, GALAXY, Genome Browsers (e.g. UCSC, HGMD), Alamut, Picard, Samtools, Bedtools, Bcftools, gatk, IGV, FastQC

- General IT applications: MS Office, Adobe Suite, MS Visual Studio, Docker

Areas of Expertise

Bioinformatics and Systems biology
 Sequence analysis
 Next generation sequencing data analysis
 Structural Bioinformatics
 Machine Learning Applications
 Gene Regulatory pattern analysis
 Gene Ontology
 Library prep for NGS platforms

Working Experience

- 2016-Present **PhD Candidate** Mohn Cancer Research Laboratory, Bergen, Norway
- Performing genome assembly and annotation.
 - Developing reproducible bioinformatic pipelines for NGS cancer sequencing efforts, including targeted capture assays, WES, RNA-seq.
 - Validating bioinformatic tools and algorithms using public and in-house samples.
 - Analyzing in-house genomics/transcriptomics data from patient-derived tumor cells, and developing interactive data visualizations.
 - Performing assays, PCR, QC, DNA extraction, and other molecular biology techniques.
 - Preparing DNA libraries for NGS and executing sequencing runs on Illumina Sequencers.
 - Committee member for the *Research School of Clinical Medicine*
- Tasks assigned: Meetings arrangement, reviewing all relevant material before committee meetings, generating abstract books-timetables for poster-oral presentations, preparing the monthly agenda, contacting individuals, approve reports of committee meetings before their distribution
- 2013 – 2016 **Senior Medical Technologist** Centogene A.G., Rostock, Berlin, Germany
- Expertise in next generation sequencing (Roche 454, Ion Torrent, Illumina), Sanger sequencing, PCR, Real-Time PCR, MLPA, MS-MLPA, nucleic acid extraction, cell cultures, excellent knowledge of sequencing analysis softwares (Seq Pilot, Mutation Surveyor), different databases and genetic tools (Alamut, HGMD, OMIM).
 - Technical validation of raw data obtained from different techniques as above.
 - Supervision of a team of 7 technicians, mentored and trained team members via technical presentations, demonstrations, troubleshooting technical issues.
 - Active participation in the preparation of the laboratory for CAP and ISO-13485 inspections.
- Tasks assigned: writing of SOP and validation files, engagement and participation in different committees (metrology, telemetry).
- 2012 – 2013 **Medical Technologist** 401 Military Hospital of Athens, Greece
- Expertise in Sanger sequencing, high-throughput SNP genotyping, nucleic acid extraction; developed protocols for the screening of new genes.

Education

Postgraduate Training

- 2016 – 2021 **Ph.D. Candidate in Cancer Genomics** University of Bergen, Norway
- Title dissertation:** Mutational characterization of cancers; Studies of Breast Cancers under Chemotherapy and Neuroendocrine Carcinomas
- 2011 – 2012 **M.Sc. in Molecular Virology** University of Ioannina, Greece
- Molecular characterization of viruses via genotyping, training in nucleic acid extraction, PCR, RT-PCR, gel electrophoresis, Sanger sequencing, cloning.
 - Training in sequencing analysis softwares (SeqPilot, Mutation Surveyor), different databases and genetic tools (OMIM, Blast, UCSC Genome Browser).
 - Mentored and trained undergraduate students.
- GPA:** 10/10
- Title dissertation:** G20 gene molecular characterization of cyanophages
- Opponents:** Prof. Theoni Trangas, Prof. Evangelos Briassoulis
- 2007 – 2011 **B.Sc. in Biological Applications and Technology** University of Ioannina, Greece
- GPA:** 7.32/10

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Lab skills

- Hands on library preparation for NGS platforms (WGS, WES, Gene/Custom Panels)
- Sequencing on Illumina platforms (MiSeq, NextSeq500, HiSeq 2000/2500, NovaSeq)
- Sequencing on Ion Torrent platforms (Ion-PGM, Ion-Proton, Ion-Chef)
- DNA/RNA extraction; Blood, Snap-Frozen Tissue, Formalin Fixed Paraffin Embedded (FFPE)
- Covaris Sonication (M220)
- DNA quantification (QuantoFluor, Qubit)
- Quantitative PCR, Long-range PCR
- Sizing, quantitation, purity assessment of DNA using Bioanalyzer 2100 Agilent and TapeStation
- Sanger Sequencing

Publications

- 2021 H P Eikesdal, S Yndestad, A Elzawahry, A Llop-Guevara, B Gilje, E S Blix, H Espelid, S Lundgren, J Geisler, G Vagstad, **A Venizelos**, L Minsaas et al: *Olaparib monotherapy as primary treatment in unselected triple negative breast cancer*. Ann Oncol. 2021 Feb;32(2):240-249.
- 2021 **Venizelos, A.**, Elvebakken, H., Perren, A., Nikolaienko, O., Deng, W., Lothe, I.M.B., Hjortland, G.O., Sundlöv, A., Svensson, J., Garresori, H., Kersten, C., Hofslis, E., Detlefsen, S., Krogh, M., Sorbye, H., Knappskog, S.: *The molecular characteristics of high-grade gastroenteropancreatic neuroendocrine neoplasms* (Manuscript in revision; Endocrine Related Cancer)

Oral presentation at international congress

- 2020 **Venizelos, A.**, Elvebakken, H., Perren, A., Nikolaienko, O., Deng, W., Lothe, I.M.B., Hjortland, G.O., Sundlöv, A., Svensson, J., Garresori, H., Kersten, C., Hofslis, E., Detlefsen, S., Krogh, M., Sorbye, H., Knappskog, S.: *title: Mutational landscape of 109 high-grade gastroenteropancreatic neuroendocrine neoplasms G3*
17th Annual ENETS Conference, Barcelona, Spain

Posters at international congress

- 2019 **Venizelos, A.**, Clausen, C., Deng, W., Geisler, J., Geisler, S., Aas, T., Aase, H., Seyedzadeh, M., Steinskog, E.S., Myklebost, O., Nakken, S., Vodak, D., Hovig, E., Meza-Zepeda, L.A., Lønning, P.E., Knappskog, S.*, Eikesdal, H.P.* *title: Whole exome sequencing (WES) of locally advanced breast cancers treated with monotherapy*
AACR Annual Meeting 2019, Atlanta, USA
- 2019 **Venizelos, A.**, Clausen, C., Knappskog, S., Eikesdal, HP. and Lønning PE. *title: Genetic alterations affecting treatment response in locally advanced breast cancers*
7th CCBIO Annual Symposium, Solstrand, Bergen, Norway

Awards

- 2020 ENETS; Top 3 oral presentation; highlights selection; *title: Mutational landscape of 109 high-grade gastroenteropancreatic neuroendocrine neoplasms G3*
17th Annual ENETS Conference, Barcelona, Spain

Personal

- Interests Crossfit, Hiking, Skiing
Others Full, Clean driving licence
References Available upon request