

Davide BRESSAN

PhD Student | Bioinformatician/Computational biologist

in [linkedin.com/in/davide-bressan](https://www.linkedin.com/in/davide-bressan) **g** github.com/DavideBrex
☎ +39 3450928188 **@** davide.bressan-1@unitn.it
📍 Via Montecorno 6A, Sona - VR, Italy
🔗 davidebrex.github.io/



I am a PhD Student in the Chiacchiera Lab at the Department of Cellular, Computational and Integrative Biology, University of Trento, Italy. Trained as computer scientist and bioinformatician, I am now working as computational biologist in the field of cancer research. My PhD focuses on the epigenetics of liver regeneration and tumorigenesis.

WORK EXPERIENCE

Current November 2020	PhD Student - Doctoral Program in Biomolecular Sciences, UNIVERSITY OF TRENTO, Italy <ul style="list-style-type: none">> PhD student in the Fulvio Chiacchiera group (Laboratory of Stem Cells and Cancer Genomics).> Transdisciplinary program in Computational Biology <div>RNA-SeqChIP-SeqGeneticsCancerR</div>
Current November 2022	Teaching assistant, course of Scientific Programming for Data Science, UNIVERSITY OF TRENTO, Italy <ul style="list-style-type: none">> Preparation and delivery of computer laboratory lectures for the Master in Data Science.> Exam preparation <div>PythonData structuresAlgorithmsStudent supervision</div>
July 2020 March 2020	Intern Bioinformatician, WINCLOVE PROBIOTICS B.V, Amsterdam, Netherlands <ul style="list-style-type: none">> Trainee in the company's research and innovation team.> Analysis of metagenomic data from patients with inflammatory bowel disease using machine learning algorithms <div>MetagenomicsMachine learningPython</div>
July 2020 March 2020	Teaching assistant, course of Fundamentals of Bioinformatics, VRIJE UNIVERSITEIT, Amsterdam, Netherlands <ul style="list-style-type: none">> Guidance and evaluation of students in the first year of the Master in Bioinformatics and System Biology <div>PythonStudent supervision</div>
February 2020 August 2019	Intern Bioinformatician, NETHERLANDS CANCER INSTITUTE (NKI), Amsterdam, Netherlands <ul style="list-style-type: none">> Internship as a bioinformatician in the group of Prof. Daniel Peeper (Department of Molecular Oncology and Immunology)> Development of an R program for the analysis of splice variants.> Thesis title: "The role of transcript variants in immunotherapy resistant melanoma". <div>RNA-SeqRMelanoma</div>

FORMATION

2018-2020	Master of Science in Bioinformatics and System Biology – Universiteit van Amsterdam - Vrije Universiteit Amsterdam - Netherlands
2015-2018	Bachelor's Degree in Bioinformatics – University of Verona - Italy

LANGUAGE

Italian	●●●●●
English	●●●●○
Dutch	●○○○○

SKILLS

- > Adaptability
- > Presentation and reporting
- > Autonomy

PUBLICATIONS AND POSTERS

INCREASED GENOMIC INSTABILITY AND RESHAPING OF TISSUE MICROENVIRONMENT UNDERLIE ONCOGENIC PROPERTIES OF ARID1A MUTATIONS

Under revision - Science Advances

Co-first author

Arid1A Liver Cancer Mutagenesis

THE ROLE OF MSWI/SNF COMPLEX IN PRESERVING LIVER TISSUE HOMEOSTASIS AND PREVENTING HEPATOCELLULAR CARCINOMA FORMATION

Poster presented at the 33° PEZCOLLER SYMPOSIUM - Presenting author

June 2022, Trento, Italy

mSWI/SNF Liver Cancer

ROLE OF THE MSWI/SNF CHROMATIN REMODELING COMPLEX IN PRESERVING LIVER HOMEOSTASIS

Poster presented at the EACR conference - Presenting author

June 2022, Seville, Spain

mSWI/SNF Liver Cancer

REFERENCES

Fulvio Chiacchiera

Professor, UNIVERSITY OF TRENTO

@ fulvio.chiacchiera@unitn.it

☎ +39 0461 283934

Oscar krijgsman

Principle Bioinformatician, NEOGENE THERAPEUTICS

@ o.krijgsman@nki.nl

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