

CURRICULUM VITAE

MARCO RUSSO



PERSONAL INFORMATION

Date of birth: April 5th, 1990

Place of birth: Palermo (PA) – Italy

Nationality: Italian

Institutional e-mail: marco.russo9@unibo.it

ORCID: [0000-0002-0550-0608](https://orcid.org/0000-0002-0550-0608)

Scopus Author Identifier: 7402369049

Researchgate: [Marco-Russo-8](https://www.researchgate.net/profile/Marco-Russo-8)

Linkedin: [marco-russo-96504264](https://www.linkedin.com/in/marco-russo-96504264)

Github: [marcrusso](https://github.com/marcrusso)

Web of Science Citation Report (04/11/2025)

Publications	13
Sum of the Times Cited	479
Average Citations per Item	36.85
h-index	7

SUMMARY

I am a molecular biologist by training and an experienced bioinformatician with 10 years of expertise in computational biology and omics data analysis. My research focuses on DNA secondary structures, such as G-quadruplexes and R-loops, and their involvement in key cellular processes including transcriptional regulation, replication stress, and genome stability. I am particularly interested in how these non-canonical structures contribute to DNA damage and genomic instability, especially in the context of cancer and neurodegenerative diseases, where altered DNA architecture and repair mechanisms play a critical role in disease progression. I have developed strong skills in the analysis of epigenomic, transcriptomic, and genomic datasets, contributing to numerous peer-reviewed publications that reflect the depth and impact of my scientific work.

In addition to my research activities, I have extensive experience in teaching, tutoring, and student supervision, both within academic institutions and through external educational initiatives.

RESEARCH EXPERIENCE

- 1 January 2025 – Present **Postdoctoral Researcher**
Project: "*Genomic analysis of gene instability induced by non-B DNA structures in human cancer and embryonic stem cells*".
Funded by: Piano Nazionale di Ripresa e Resilienza (PNRR).
FaBIT, University of Bologna, Bologna, Italy
Supervisor: Jessica Marinello, Prof.
- 1 February 2023 – 31 December 2024 **Postdoctoral Researcher**
Project: "*Genome instability and immune gene response in cancer cells*".
Funded by: Associazione Italiana per la Ricerca sul Cancro (AIRC) and Department of Pharmacy and Biotechnology (FaBIT), University of Bologna.
FaBIT, University of Bologna, Bologna, Italy
Supervisor: Giovanni Capranico, Prof.
- 1 February 2021 – 31 January 2023 **Postdoctoral Researcher**
Project: "*R-loops and G4s: immunomodulatory effect of treatment with Topoisomerase I inhibitors*".
Funded by: Progetto di Rilevante Interesse Nazionale (PRIN) "G-quadruplexes as modulators of genome stability"
FaBIT, University of Bologna, Bologna, Italy
Supervisors: Giovanni Capranico, Prof., Jessica Marinello, PhD
- 1 January 2020 – 31 January 2021 **Postdoctoral Researcher**
Project: "*A.I. analysis of genetic mutations in omic datasets of human tumors*".
Funded by: Regione Emilia-Romagna project "Alte Competenze 2019"
FaBIT, University of Bologna, Bologna, Italy
Supervisor: Giovanni Capranico, Prof.
- 1 November 2019 – 31 December 2019 **Closing activities on PhD-related projects (paper writing)**
FaBIT, University of Bologna, Bologna, Italy
Supervisor: Giovanni Capranico, Prof
- 7 January 2019 – 7 May 2019 **Visiting Ph.D. Student**
The Francis Crick Institute, London, UK
Project title: "*Identification of mutation in genes related to 'nucleic acid immunity' in cancer tissues*".
Supervisor: Ciccarelli Francesca, Prof.
- 1 November 2016 – **Ph.D. Student in Cellular and Molecular Biology**

- 31 October 2019 FaBIT, University of Bologna, Bologna, Italy
Project title: *"Study of R-loop dynamics in cancer cells"*.
Supervisor: Giovanni Capranico, Prof.
- 1 August 2015 – **Academic career break**
31 October 2016
- 1 March 2015 – **Post Graduate Trainee**
31 July 2015 University of Padova, Padova, Italy
Project title: *"Development and application of new technologies for structural analysis of genomes and transcriptomes"*.
Supervisor: Giorgio Valle, Prof.

EDUCATION

DEGREES

- 1 November 2016 – **Ph.D. in Cellular and Molecular Biology**
31 October 2019 FaBIT, University of Bologna, Bologna, Italy
Thesis title: *Multimic characterization of the effects of G-quadruplex binders on R-loop homeostasis and innate immune response in human cancer cells*.
Supervisor: Giovanni Capranico, Prof.
Final degree mark: Excellent
Thesis evaluation marks:
Originality: Excellent
Quality of used methodologies: Excellent
Quality of results: Excellent
Level of knowledge of the topics covered: Excellent
- 15 October 2012 – **Master's degree in Molecular Biology**
25 February 2015 University of Padova, Padova, Italy
Final degree mark: 110/110
Thesis title: *"Development and application of new technologies for structural analysis of genomes and transcriptomes"*.
Supervisor: Giorgio Valle, Prof.
- 12 September 2009 – **Bachelor's degree in Molecular Biology**
– University of Padova, Padova, Italy
26 September 2012 Final degree mark: 103/110
Thesis title: *"Identification of SNPs using exome sequencing and their verification using traditional methods"*.
Supervisor: Alessandro Vezzi, PhD.

COURSES

- 11-13 June 2024 **IMMUNO-Model Computational immuno-genomics Summer School**
COST Action: CA21135 - Modelling immunotherapy response and toxicity in cancer
University Hospital Lozano Blesa, Zaragoza, Spain
- 1-3 December 2021 **High Performance Bioinformatics**
Credential ID 3CDEBBB0
Issued by CINECA, Italy
- 14-16 June 2021 **Data Science with R**
Credential ID 377A9360
Issued by CINECA, Italy
- 12-16 April 2021 **Introduction to Python programming**
Credential ID 3261F300
Issued by CINECA, Italy
- 9-19 February 2021 **22nd Bologna Winter School - Bioinformatics for Discovery in Structural and Functional Biology**
University of Bologna, Bologna, Italy
- 9 July 2020 **24 CFU - University Credits in anthropo-psycho-pedagogical disciplines and didactic methodologies and technologies**
University of Bologna, Bologna, Italy
- 26-27 April 2017 **Introduction to R for data analytics**
Credential ID 319C320
Issued by CINECA, Italy

HONORS AND AWARDS

PRIZES AND SCHOLARSHIPS

- 2019 **“Marco Polo Program” Scholarship – 3 months**
This UniBO program aims to promote scientific training abroad for young researchers at the University of Bologna, offering the opportunity to conduct research in an international context.
- 2016 **Ph.D. in Cellular and Molecular Biology Scholarship – 3 years**

Scholarship provided by the University of Bologna.

2015 'Innovative Technologies for Next Generation Sequencing' Study award

Prize awarded to graduates that have developed the best thesis on topic: 'Innovative Technologies for Next Generation Sequencing'. University of Padova, Padova, Italy.

PARTICIPATION IN RESEARCH PROJECTS

- 2025 – Present Five-year Project title: *Dissecting the interplay of RNA polymerase II backtracking, topoisomerase I and R-loop in genome dynamics of tumor cells.*
Funded by: AIRC, IG 2024, Project Code 30376
Principal Investigator: Giovanni Capranico, Prof.
Contribution: Data collection, analysis and integration.
- 2022 – 2025 Project title: *Identification of genetic and epigenetic regulators supervising R-loops formation.*
Funded by: PRIN 2022 PNRR, code 2022J34FLP_001
Principal Investigator: Jessica Marinello, Prof.
Contribution: Data collection, analysis and integration.
- 2020 – 2021 Project title: *A.I. analysis of genetic mutations in omic datasets of human tumors.*
Funded by: Regione Emilia-Romagna project "Alte Competenze 2019"
Principal Investigator: Giovanni Capranico, Prof.
Contribution: Project writing, data collection, analysis and integration.
- 2019 – 2024 Five-year Project title: *Mechanistic roles of R-loops and micronuclei in the innate immune response induced by anticancer G-quadruplex binders.*
Funded by: AIRC, IG 2019, Project Code 23032
Principal Investigator: Giovanni Capranico, Prof.
Contribution: Data collection, analysis and integration.
- 2018 – 2022 Project title: *G-quadruplexes as modulators of genome stability.*
Funded by: PRIN 2017, code 2017KSZZJW_004
Principal Investigator: Jessica Marinello, Prof.
Contribution: Data collection, analysis and integration.
- 2014 – 2019 Five-year Project title: *R-loop regulation at transcribed regions: implications for cell sensitivity to DNA topoisomerase I inhibitors.*
Funded by: AIRC, IG 2014, Project Code 15886
Principal Investigator: Giovanni Capranico, Prof.
Contribution: Data collection, analysis and integration.

SCIENTIFIC ORGANISATIONS

- June 2024 – **Regular Member**
June 2025 Associazione di Biologia Cellulare e del Differenziamento - ABCD
- March 2021 – **Associate Member**
Present American Association for Cancer Research - AACR
Member ID: 1102940
- April 2023 – **Early Career Member**
Present European Association for Cancer Research - EACR
- March 2023 – **Junior Member**
Present Società Italiana di Biofisica e Biologia Molecolare - SIBBM

CONFERENCE AND WORKSHOP ORGANIZATION

- February 2018 **Member of the Organizing Committee**
French - Italian Workshop on "DNA Repair, Cancer and Neurodegeneration.
University of Bologna, Bologna, Italy.
Supported by: SIBBM, French Embassy in Italy, Dipartimento di Farmacia e
Biotecnologie, Università di Bologna.
Website: <https://sites.google.com/view/frenchitalianworkshopdnarepair>

PUBLICATIONS

JOURNAL ARTICLES

* Co-first authors

Pepe, S., Guerra, F., **Russo, M.**, Duado, R. C., & Capranico, G. (2025). Genomic context influences translesion synthesis DNA polymerase-dependent mechanisms of micronuclei induction by G-quadruplexes. *Cell Reports*, 44(5), 115706. <https://doi.org/10.1016/j.celrep.2025.115706>

Aloisi, S., Santulli, M., **Russo, M.**, Zadrán, S. K., Rigamonti, A., Chin, D. H., Palombo, M., Cimadom, L., Scrofani, L., Bernardoni, R., Capranico, G., Gryder, B. E., Perini, G., & Milazzo, G. (2025). Non-canonical activating roles of RCoR2 sustain transcription in adrenergic neuroblastoma. *Cell Reports*, 44(7). <https://doi.org/10.1016/j.celrep.2025.115951>

Miglietta, G., **Russo, M.**, Capranico, G. & Marinello, J. Stimulation of cGAS-STING pathway as a challenge in the treatment of small cell lung cancer: a feasible strategy? *Br. J. Cancer* 1–9 (2024) doi:10.1038/s41416-024-02821-5.

Duardo, R. C.*, Marinello, J.*, **Russo, M.***, Morelli, S., Pepe, S., Guerra, F., Gómez-González, B., Aguilera, A., & Capranico, G. (2024). Human DNA topoisomerase I poisoning causes R loop–mediated genome instability attenuated by transcription factor IIS. *Science Advances*, 10(21), 8196. <https://doi.org/10.1126/SCIADV.ADM8196>

Geraud, M., Cristini, A., Salimbeni, S., Bery, N., Jouffret, V., **Russo, M.**, Ajello, A. C., Fernandez Martinez, L., Marinello, J., Cordelier, P., Trouche, D., Favre, G., Nicolas, E., Capranico, G., & Sordet, O. (2024). TDP1 mutation causing SCAN1 neurodegenerative syndrome hampers the repair of transcriptional DNA double-strand breaks. *Cell Reports*, 43(5), 114214. <https://doi.org/10.1016/j.celrep.2024.114214>

Russo, M.*, Morelli, S.*, & Capranico, G. (2023). Expression of down-regulated ERV LTR elements associates with immune activation in human small-cell lung cancers. *Mobile DNA*, 14(1), 1–16. <https://doi.org/10.1186/S13100-023-00290-W>

De Rosa, P., Severi, F., Khan Zadran, S., **Russo, M.**, Aloisi, S., Rigamonti, A., Capranico, G., Milazzo, G., & Perini, G. (2023). MYCN Amplification, along with Wild-Type RB1 Expression, Enhances CDK4/6 Inhibitors' Efficacy in Neuroblastoma Cells. *International Journal of Molecular Sciences*, 24(6), 5408.

Miglietta, G., Marinello, J., **Russo, M.**, & Capranico, G. (2022). Ligands stimulating antitumour immunity as the next G-quadruplex challenge. *Molecular Cancer*, 21(1), 180.

Marinello, J., Arleo, A., **Russo, M.**, Delcuratolo, M., Ciccarelli, F., Pommier, Y., & Capranico, G. (2022). Topoisomerase I poison-triggered immune gene activation is markedly reduced in human small-cell lung cancers by impairment of the cGAS/STING pathway. *British Journal of Cancer*, 1–12.

Miglietta, G.*, **Russo, M.***, Duardo, R.C. and Capranico, G. (2021) G-quadruplex binders as cytostatic modulators of innate immune genes in cancer cells. *Nucleic Acids Res.*, 49, 6673–6686.

Miglietta, G.*, **Russo, M.*** and Capranico, G. (2020) G-quadruplex–R-loop interactions and the mechanism of anticancer G-quadruplex binders. *Nucleic Acids Res.*, 48, 11942–11957.

Russo M., De Lucca, B., Flati, T., Gioiosa, S., Chillemi, G. and Capranico, G. (2019) DROPA: DRIP-seq optimized peak annotator. *BMC Bioinformatics*, 20, 414.

De Magis, A*., Manzo, S.G.*., **Russo, M.**, Marinello, J., Morigi, R., Sordet, O. and Capranico, G. (2019) DNA damage and genome instability by G-quadruplex ligands are mediated by R loops in human cancer cells. *Proc. Natl. Acad. Sci. U. S. A.*, 116, 816–825.

DISSERTATION THESIS

Russo, M. (2020) Multiomic characterization of the effects of G-quadruplex binders on R-loop homeostasis and innate immune response in human cancer cells, [Dissertation thesis], Alma Mater Studiorum Università di Bologna. Dottorato di ricerca in Biologia cellulare e molecolare, 32 Ciclo. 10.6092/unibo/amsdottorato/9253.

CONFERENCE PROCEEDINGS

Duardo, R. C., Marinello, J., **Russo, M.**, Morelli, S., Pepe, S., Guerra, F., Gomez-González, B., Aguilera, A., & Capranico, G. (2024). Abstract 3367: R-loop type determines the orientation of transcription-replication conflicts attenuated by transcription factor IIS. *Cancer Research*, 84(6_Supplement), 3367–3367.

M. Russo, G. Miglietta, G. Capranico. G4 binders as potential immunostimulatory compounds for cancer therapy [abstract]. In: Proceedings of the American Association for Cancer Research Annual Meeting 2021; 2021 Apr 10-15 and May 17-21. Philadelphia (PA): AACR; *Cancer Res* 2021;81(13_Suppl):Abstract nr 1234

A. De Magis, S. G. Manzo, **M. Russo**, Olivier Sordet, Rita Morigi, Giovanni Capranico. R loop-driven genome instability by G-quadruplex binders in BRCA2-silenced human cancer cells [abstract]. In: Proceedings of the American Association for Cancer Research Annual Meeting 2018; 2018 Apr 14-18; Chicago, IL. Philadelphia (PA): AACR; *Cancer Res* 2018;78(13 Suppl):Abstract nr 4838.

CONFERENCE PRESENTATIONS

ORAL PRESENTATIONS

- | | |
|----------------|--|
| September 2025 | Selected talks: <ol style="list-style-type: none">1. <i>Human DNA topoisomerase I poisoning causes R-loop-mediated genome instability attenuated by transcription factor IIS.</i>2. <i>Topoisomerase 1 poisoning-dependent mutational signatures in colorectal cancer.</i> 10th ACC Annual Meeting - New technologies and strategies to fight cancer
18-20 September 2025, Verona, Italy |
| October 2024 | Selected talk: <i>Multi-omic landscape of micronuclei reveals mitochondrial-dependent inhibition of innate immune response in cancer cells</i>
Joint ABCD Special Interest Groups Meeting 2024
17-18 October, Bologna, Italy |
| September 2024 | Selected talk: <i>Multi-omic landscape of micronuclei reveals mitochondrial-dependent inhibition of innate immune response in cancer cells</i>
XVII FISV Congress |

18-20 September 2024, Padova, Italy

- June 2024 Selected talk: *DNA damage and genome instability induced by Topoisomerase I cleavage complexes*
Young Researchers Retreat
25-26 June 2024, Bologna, Italy
- September 2023 Invited talk: *R-loop dependent genome instability by Topoisomerase I poisons. Nucleic Acid Secondary Structures: G4s And Beyond – Webinar Series 2023*
21 September 2023, Online event
- September 2023 Selected talk: *Top1cc stabilization induces genomic context-dependent R-loop modulation in cancer cells.*
LS2 Meeting - DNA Topology and Topoisomerases in Genome Dynamics
2-3 September 2023, Villars-sur-Ollon, Switzerland
- October 2022 Selected talk: *Analyses of G-quadruplex binder effects on immune genes and specific gene alterations in cancers for a precision medicine approach in anticancer immunotherapy.*
G4ME 2022 Congress
27-28 October 2022, Naples, Italy
- September 2018 Selected talk: *Analyses of genomic R-loop maps induced by G-quadruplex ligands in human cancer cells.*
XV FISV Congress
18-21 September 2018, Rome, Italy

POSTER PRESENTATIONS

- June 2025 **M. Russo**, S. Morelli, F. Martínez-Jiménez, J. Marinello, G. Capranico, *Topoisomerase 1 poisoning-dependent mutational signatures in colorectal cancer.*
SIBBM 2025 - Molecular drivers and targets in development and disease
17-19 June 2025, Naples, Italy
- March 2025 **M. Russo**, S. Morelli, F. Martínez-Jiménez, J. Marinello, G. Capranico, *Topoisomerase 1 poisoning-dependent mutational signatures in colorectal cancer.*
Clinical Cancer Genomics Conference.
20-21 March 2025, Amsterdam, Netherlands
- September 2023 J. Marinello, S. Morelli, **M. Russo**, R. C. Duardo and G. Capranico *Topoisomerase I cleavage complexes mediate genome instability by induction of double strand breaks at highly transcribed genes close to early replication zones.*
EMBO Workshop: DNA topology and topoisomerases in genome dynamics.
3-7 September 2023, Villars-sur-Ollon, Switzerland

- September 2023 **M. Russo**, R. C. Duardo, J. Marinello, S. Pepe, S. Morelli, F. Guerra, B. Gómez-González, A. Aguilera and G. Capranico, *Top1cc stabilization induces genomic context-dependent R-loop modulation in cancer cells*.
EMBO Workshop: DNA topology and topoisomerases in genome dynamics.
3-7 September 2023, Villars-sur-Ollon, Switzerland
- March 2023 Miglietta,G., **Russo,M.**, Procacci, M. Ximénez de Embún Cadarso P., Muñoz J. and Capranico,G., *Multi-omic analyses of G-Quadruplex-mediated genome instability as a trigger of innate immune responses in cancer cells*.
EACR-AACR-SIC Conference - Immune Responses & Dna Repair
15-18 March 2023; Florence, Italy
- November 2022 **Russo,M.**, Miglietta,G. Procacci, M. Ximénez de Embún Cadarso P., Muñoz J. and Capranico,G., *Multi-omic characterization of G4-binder modulation of immune gene and autophagy pathways in cancer cells*.
EMBO Workshop: From functional genomics to systems biology
15-18 November 2022; Heidelberg, Germany
- June 2022 **Russo,M.**, Duardo R.C., Aguilera A. and Capranico,G. *DNA topoisomerase I poison camptothecin induces context-dependent R-loop changes in colon cancer cells*
SIBBM 2022 - The RNA World 3.0,
20-22 June 2022, Rome, Italy
- June 2022 Morelli S., **Russo,M.** and Capranico,G. *Small cell lung tumours repress transposable elements expression to restrict innate immune activation*
SIBBM 2022 - The RNA World 3.0,
20-22 June 2022, Rome, Italy
- April 2021 **Russo,M.**, Miglietta,G. and Capranico,G. *Abstract 1234: G4 binders as potential immunostimulatory compounds for cancer therapy*
AACR Annual Meeting 2021
April 10-15, 2021, and May 17-21, 2021; Philadelphia, PA
- June 2019 **Russo M.**, Ciccarelli F., Capranico G., *Innate Immune Response Genes In Human Cancers: A Pancancer Survey*
SIBBM 2019 – Frontiers in Molecular Biology
11-13 June 2019, Bologna, Italy
- June 2019 Miglietta G., **Russo M.**, Capranico G., *G4 binders as new potential immunostimulatory compounds in cancer therapy by micronuclei induction and cGAS-STING pathway activation*
SIBBM 2019 – Frontiers in Molecular Biology
11-13 June 2019, Bologna, Italy

- February 2017 Delcuratolo M., Marinello J., **Russo M.**, Capranico G., *DNA topoisomerase II- β depletion causes genomic DNA cleavage and nuclear R-loop increase*,
2° FaBIT Scientific Retreat
2017, Bologna, Italy
- May 2014 Targon R., Telatin A., **Russo M.**, Marchioretto L., Valle G., *Development Of A Novel Method For High Quality Full-Length Sequencing Of Long Individual Molecules Of Nucleic Acids Using Current Sequencing Technology*
BioPh.D. Day 2014
2014, Padova, Italy

TEACHING ACTIVITIES

ADJUNCT PROFESSOR

- A.A. 2024/2025-
Present Bioinformatics with Programming Fundamentals (Module 2 of Bioinformatics and Statistics for Plant Biotechnology)
Master's degree in Plant and Agricultural Biotechnology
University of Bologna, Bologna, Italy

TEACHING TUTOR

- A.A. 2023/2024 –
Present Applied Genomics (Module 2 of Genomics of Diseases)
Master's degree in Pharmaceutical Biotechnology
Teacher: Prof. G. Capranico
University of Bologna, Bologna, Italy
- A.A. 2023/2024,
A.A. 2025/2026-
Present Eukaryotic Genomes (Module of Genomes I)
Bachelor's degree in Genomics
Teacher: Prof. G. Capranico
University of Bologna, Bologna, Italy
- A.A. 2022/2023 –
A.A. 2023/2024 Molecular Biology (Module 3)
Bachelor's degree in Biotechnology
Teacher: Prof. J. Marinello
University of Bologna, Bologna, Italy

STUDENT CO-SUPERVISION

Ph.D. students

1 November 2021 – Student: Sara Morelli
31 October 2024 – Ph.D. in Cellular and Molecular Biology
Supervisor: Prof. G. Capranico
University of Bologna, Bologna, Italy
Thesis: *“Bioinformatic analysis of transposable elements reactivation and Topoisomerase I poisoning-induced double strand breaks in human cancers”*.

Master’s degree students

1 March 2024 – Student: Gabriele Fanucchi
17 February 2025 Master’s degree in Pharmaceuticals Biotechnology
Thesis supervisor: Prof. G. Capranico
University of Bologna, Bologna, Italy
Thesis: *“Definition and characterization of Top1cc-induced DNA damage in tumor and stem cell context”*

1 March 2022 – Student: Arianna Bonetti
17 October 2022 Master’s degree in Health Biology
Thesis supervisor: Prof. G. Capranico
University of Bologna, Bologna, Italy
Thesis: *“Transcriptomic analysis of differential G4 binders activity on murine fibrosarcoma cells”*.

1 March 2020 – Student: Sara Morelli
19 March 2021 Master’s Degree in Pharmaceuticals Biotechnology
Thesis supervisor: Prof. G. Capranico
University of Bologna, Bologna, Italy
Thesis: *“Functional characterization of innate immune genes in human lung cancers through genomic data analyses”*.

Bachelor’s degree students

1 March 2021 – Student: Francesca Collini
22 July 2021 Bachelor’s Degree in Genomics
Thesis supervisor: Prof. G. Capranico
University of Bologna, Bologna, Italy
Thesis: *“Structural rearrangement detection in PDS treated cells using gene fusion detection tools”*.

7 January 2017 – Student: Bruno de Lucca
31 March 2018 Visiting student in Molecular Biology
Supervisor: Prof. G. Capranico
Universidad de Chile

Project: *“Development of software for R-loop genomic annotation”*.

TEACHING SUPPORT

2021 – **Teaching support to “Molecular Biology (Module 2)” class**
Present Bachelor’s degree in biotechnology
Teacher: Ph.D. J. Marinello
University of Bologna, Bologna, Italy

2019 – **Teaching support to “Eukaryotic Genomes” class**
Present Bachelor’s degree in Genomics
Teacher: Prof. G. Capranico
University of Bologna, Bologna, Italy

ADDITIONAL TEACHING ACTIVITIES

June 2025 **Scientific Tutor**
Bologna Summer School of Genome Regulation
Organized by G-Lab S.r.l. Impresa Sociale and Fondazione Golinelli.
Scientific Committee: Prof. Giovanni Perini and Prof. Alessandro Gardini.
14-18 July 2025, Bologna, Italy

May 2025 **Expert Trainer for High School Teachers**
Workshop title: “Bioinformatica”.
Field-based educational workshop focused on bioinformatics and its application in secondary school teaching.
Duration: 12 hours
Liceo Scientifico Statale Belfiore, Mantova, Italy

PUBLIC ENGAGEMENT ACTIVITIES

January 2017 – **Fundraising Volunteer**
Present AIRC - The Italian Foundation for Cancer Research, Emilia Romagna
Activities: Volunteer at annual *“Arance della Salute”*, *“Azalee della Ricerca”* and *“Cioccolatini della ricerca”* fundraising initiatives.
Bologna, Italy

27 September 2019 **Volunteer**
European Researchers' Night 2019
Activities: Organization and public demonstrations of research activities at “Il Labirinto del Farmaco” stand.
FaBIT, University of Bologna, Bologna, Italy

I authorize the processing of personal data present in the CV pursuant to Legislative Decree. Lgs. 101/2018 and of the GDPR (EU Regulation 2016/679).

A handwritten signature in black ink, appearing to be 'M. B.', with a long horizontal stroke extending to the right.