UNIMORE
UNIVERSITÀ DEGLI STUDI DI MODENA E REGGIO EMILIA

Mattia Forcato
Curriculum Vitae

PERSONAL INFORMATION
Family name, first name: Forcato, Mattia
Nationality: Italian
URL for web site: http://personale.unimore.it/Rubrica/dettaglio/mforcato

ACADEMIC EDUCATION
2005: BS, Biomedical Engineering, University of Padova, Italy
2008: MS, Bioengineering, University of Padova, Italy
2012: PhD, Sciences and technologies for health products, University of Modena and Reggio Emilia, Italy

POST GRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS
2012: Post-doctoral Associate, Department of Life Sciences, University of Modena and Reggio Emilia, Italy
2012: Research fellow, Institute for Medical Informatics (prof. M. Dugas), University of Munster, Germany
2014: Research fellow, Center of Biomedical Informatics (prof. P. Park), Harvard Medical School, USA

POSITIONS HELD
2012 – 2017: Assistant Professor of Molecular Biology (RTD a; SSD BIO/11), Department of Life Sciences, University of Modena and Reggio Emilia, Italy
2018 – 2021: Assistant Professor of Molecular Biology (RTD b; SSD BIO/11), Department of Life Sciences, University of Modena and Reggio Emilia, Italy
2021 – present: Associate Professor of Molecular Biology (SSD BIO/11), Department of Life Sciences, University of Modena and Reggio Emilia, Italy

AWARDS
2008: University of Padova fellowship
2009 - 2011: University of Modena and Reggio Emilia fellowship
2012: EuGESMA COST action (BM0801) Grant for Short Term Scientific Mission (University of Munster, Germany)
2014: EPIGEN travel grant - Training in foreign laboratories (Harvard Medical School, USA)
2017: National scientific qualification as associate professor in Molecular Biology (SSD BIO/11)

RESEARCH ACTIVITY
My research activity mainly concerns the design and application of computational and bioinformatics tools for the analysis of data obtained using from high-throughput technologies, in particular gene expression microarrays, RNA-seq, ChIP-seq, Hi-C and their integration. My research activity is currently carried out in collaboration with several national and international academic laboratories working in the field of molecular oncology, comprising the Department of Molecular Medicine of the University of Padova (Prof. S. Piccolo), the Italian National Cancer Institute "Regina Elena" (Prof. G. Blandino), the Department of Life Sciences of the

University of Trieste (Prof. G. Del Sal) and the FIRC Institute of Molecular Oncology IFOM (Dr. F. Ferrari).

NATIONAL AND INTERNATIONAL GRANTS

2019 – 2022: PRIN 2017 - 2017HWTP2K: "Role of the YAP/TAZ transcriptional regulators in cancer chemoresistance" (Unit PI: M. Forcato; Project PI: S. Piccolo; Project budget: 766.565,00 €; Unit budget: 123.200,00€)

2019 – 2021: University of Modena and Reggio Emilia - Fondo di Ateneo per la ricerca 2019 Interdisciplinare: "Studio del profilo epigenetico delle cellule staminali epiteliali per monitorare la sicurezza della terapia genica per la cura dell'Epidermolisi Bollosa" (Unit PI: M. Forcato; Project PI: E. Enzo; Project budget: 80.000,00 €; Unit budget: 26.600,00€)

2018 – 2021: Ministero della salute – Ricerca finalizzata 2016 – Giovani ricercatori THEORY ENHANCING PROJECT GR-2016-02362451: "Regenerative potential of Fibro-Adipogenic Progenitors derived exosomes in the treatment of Duchenne Muscular Dystrophy with Histone Deacetylase Inhibitors" (Unit PI: M. Forcato; Project PI: V. Saccone; Project budget: 450.000,00 €; Unit budget: 90.000,00€)

RESEARCH SUPPORT

2013: CINECA – ISCRA Proposals Class C – HP10CE1NP: SVM2CRM - A computational approach based on support vector machines and ChIP-Seq data for the identification of genome cis-regulatory modules (PI: M. Forcato)

2015 – 2016: CINECA – ISCRA Proposals Class C – HP10CDMGT8: 3Domics - Analysis of Hi-C data for the creation of an atlas of three-dimensional chromatin interactions (PI: M. Forcato)

CONFERENCE ACTIVITIES

2009: IAPR International Conference in Pattern Recognition for Bioinformatics, Sheffield, UK, 07-09 September, Selected oral presentation

2010: Pacific Symposium on Biocomputing, Big Island of Hawaii, USA, 04-08 January, Selected oral presentation

2015: Tutorial Day on "Introduction to the analysis of high-throughput 3C data", Naples, 12 May, Invited Speaker

2016: EMBO Conference - From functional genomics to systems biology, Heidelberg, Germany, 12-15 November, Selected oral presentation

2018: IGA training - Epigenetics: On the top of genetics, Udine, 7 September, Invited Speaker

OTHER

Reviewer activity for Nature communications, Genome Research, Plos Computational Biology, NAR, Briefings in Functional Genomics, Genes.

PEER REVIEWED PUBLICATIONS

The complete list of publications is available in MyBibliography: https://www.ncbi.nlm.nih.gov/myncbi/12Ir8yuvyiukJ/bibliography/public/

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BIBLIOMETRICS (Scopus)
Number of publications on scientific journals: 54
Number of publications as (co-)first author or (co-)corresponding author: 11
Total Citations: 6911
h-index: 26

Modena, 23/05/2022