

INFORMAZIONI PERSONALI

Claudia Cava

ESPERIENZA
PROFESSIONALE

01/07/2019 – present

Ricercatore a tempo indeterminato

Ente Istituto di Bioimmagine e Fisiologia Molecolare, Consiglio Nazionale delle ricerche Palazzo LITA - Via F.lli Cervi, 93 20090 Segrate (Milano)

01/12/21 – 01/02/22

Professore a contratto

Ente Università degli Studi Milano Bicocca Professore a contratto per un corso di 10 ore in "Informatica" per il corso di laurea "Scienze e tecnologie per l'ambiente"

7/01/2020 to 28/01/2020

Visiting Researcher

FUNDACIÓ CENTRE DE REGULACIÓ GENÒMICA- Barcellona

Ricercatore in visita supportata dal bando Short Term Mobility- CNR. Supervisor: Dr. Gian Gaetano Tartaglia. Progetto: "Post-transcriptional regulation revealed by integrating multi-omics data in breast cancer (BC) subtypes"

2019-2020

Professore a contratto

Università degli Studi di Milano

Professore a contratto per un corso di 64 ore in "Bioinformatica e Biostatistica"-Scienze e tecnologie delle produzioni animali (Classe LM-86)

Ente Università degli Studi di Milano

02/05/2018 – 30/06/19

Ricercatore a tempo determinato

Consiglio Nazionale delle ricerche Palazzo LITA - Via F.lli Cervi, 93 20090 Segrate (Milano)

Ente Istituto di Bioimmagine e Fisiologia Molecolare, Consiglio Nazionale delle Ricerche (IBFM-CNR)

2018

Professore a contratto

Università degli Studi di Milano

- Professore a contratto per un corso di 24 ore in "Informatica e Statistica per le biotecnologie" - u.d. Informatica Corso di Laurea Triennale in Biotecnologie L2 (2° anno indirizzo farmaceutico)
- Professore a contratto per un corso di 8 ore in "Banche dati informatiche (Banche dati bibliografiche, farmacologiche, genetiche e metaboliche)" Scuola di specializzazione in farmacologia e tossicologia clinica (1° anno)

Ente Università degli Studi di Milano

03/12/2012– 01/05/2018

Assegno di ricerca

Consiglio Nazionale delle ricerche Palazzo LITA - Via F.lli Cervi, 93 20090 Segrate (Milan)

Ente Istituto di Bioimmagine e Fisiologia Molecolare, Consiglio Nazionale delle Ricerche (IBFM-CNR)

01/01/2015 – 31/07/15

Visiting Researcher

Université Libre de Bruxelles ULB. Supervisor: Gianluca Bontempi

Dipartimento Interuniversity Institute of Bioinformatics (IB)² Brussels- Belgium

01/12/2011 – 30/11/2012

Assegno di ricerca

Università di Milan-Bicocca

Dipartimento Dipartimento di Informatica, Sistemi e Comunicazioni

01/01/2010 – 30/11/2011

Collaborazione di ricerca volontaria

Dipartimento di Elettronica e Elettrotecnica, Politecnico di Bari, Via E. Orabona, 4, 70125 Bari, Italy e Istituto Oncologico " Giovanni Paolo II ", I.R.C.C.S, Viale Orazio Flacco 65, 70124 Bari, Italy

Dipartimento/Ente Politecnico di Bari e Ospedale Oncologico di Bari

ISTRUZIONE E FORMAZIONE

2010- 2013

Dottorato in Bioinformatica (seduta: 25 Luglio 2013)

Università del Sannio - Piazza Guerrazzi, 1 Benevento, Dipartimento di Biologia.

2009

Abilitazione all'esame di stato e Iscrizione all'ordine nazionale dei Biologi

Abilitazione presso Università di Bari "Aldo Moro" Dipartimento di Biologia. Seconda sessione del 2009.

Numero di iscrizione all'albo: AA_075952

2009

Laurea specialistica 6/s in Bioinformatica

Alma Mater Studiorum University of Bologna

▪ Votazione conseguita: 110.

2006

Laurea triennale L12 in Scienze Biosanitarie (Biologia)

University of Bari "Aldo Moro" Department of Biology

RICONOSCIMENTI E/O PREMI NAZIONALI O INTERNAZIONALI

2017

Vincita Borsa di viaggio

Gruppo-Proteine Società Italiana di Biochimica e Biologia Molecolare. Borsa di viaggio per la partecipazione al corso "One day Course Proteins as drug target, protein as drug, and protein degradation as therapeutic strategy" 8 maggio 2017, Università di Parma, Parma

2017

Travel Scholarship supported by Roswell Park Cancer Institute

Bioconductor Conference (July 26, 2017 - Friday, July 28, 2017), Boston, USA

2010

Riconoscimento per gli studi

Comune di Bari

Riconoscimento per i risultati conseguiti negli studi per l'anno accademico 2009/10

EDITOR DI RIVISTE

- Editorial board of Experimental and Therapeutic Medicine <https://www.spandidos-publications.com/pages/etm/editorial>
- Editorial board of Oncology Letters
- Editor dello special issue "Frontiers in biomarker for theranostics" in Frontiers in Bioscience. Riferimento: https://www.bioscience.org/special-issue_details?editor_id=1659

ULTERIORI INFORMAZIONI

Articoli su rivista

h-index=19 (scopus) documents: 51 2311 citations by 2107 documents

- 1) Zupo R, Castellana F, De Nucci S, Sila A, Aresta S, Buscemi C, Randazzo C, Buscemi S, Triggiani V, De Pergola G, **Cava C**, Lozupone M, Panza F, Sardone R. Role of Dietary Carotenoids in Frailty Syndrome: A Systematic Review. *Biomedicines*. 2022 Mar 9;10(3):632. doi: 10.3390/biomedicines10030632
- 2) Soudabeh S, Bahia N, Feiz, Farnia, Castiglioni I, Cava C., Vakili S. Clinical Guidelines on the Use of Assisted Reproductive Technology During Covid-19 Pandemic: A Minireview of the Current Literature *Journal of Health Sciences and Surveillance System*. 2022. 10(1): 13-18
- 3) Santo GD, Frasca M, Bertoli G, Castiglioni I, **Cava C**. Identification of key miRNAs in prostate cancer progression based on miRNA-mRNA network construction. *Comput Struct Biotechnol J*. 2022 Feb 7;20:864-873. doi: 10.1016/j.csbj.2022.02.002
- 4) **Cava C**, Armaos A, Lang B, Tartaglia GG, Castiglioni I. Identification of long non-coding RNAs and RNA binding proteins in breast cancer subtypes. *Sci Rep*. 2022 Jan 13;12(1):693. doi: 10.1038/s41598-021-04664-z
- 5) D'Antona S, Caramenti M, Porro D, Castiglioni I, **Cava C**. Amyotrophic Lateral Sclerosis: A Diet Review. *Foods*. 2021 Dec 17;10(12):3128. doi: 10.3390/foods10123128
- 6) D'Antona S, Bertoli G, Castiglioni I, **Cava C**. Minor Allele Frequencies and Molecular Pathways Differences for SNPs Associated with Amyotrophic Lateral Sclerosis in Subjects Participating in the UKBB and 1000 Genomes Project. *J Clin Med*. 2021 Jul 30;10(15):3394. doi: 10.3390/jcm10153394
- 7) **Cava C**, Bertoli G, Castiglioni I. Potential drugs against COVID-19 revealed by gene expression profile, molecular docking and molecular dynamic simulation. *Future Virol*. 2021 Jul;10.2217/fvl-2020-0392. doi: 10.2217/fvl-2020-0392
- 8) Sabetian S, Castiglioni I, Jahromi BN, Mousavi P, **Cava C**. In Silico Identification of miRNA-lncRNA Interactions in Male Reproductive Disorder Associated with COVID-19 Infection. *Cells*. 2021 Jun 12;10(6):1480. doi: 10.3390/cells10061480.
- 9) Damascelli A, Gallivanone F, Cristel G, **Cava C**, Interlenghi M, Esposito A, Brembilla G, Briganti A, Montorsi F, Castiglioni I, De Cobelli F. Advanced Imaging Analysis in Prostate MRI: Building a Radiomic Signature to Predict Tumor Aggressiveness. *Diagnostics (Basel)*. 2021 Mar 26;11(4):594. doi: 10.3390/diagnostics11040594.
- 10) Bertoli G, **Cava C**, Corsi F, Piccotti F, Martelli C, Ottobriani L, Vaira V, Castiglioni I. Triple negative aggressive phenotype controlled by miR-135b and miR-365: new theranostics candidates. *Sci Rep*. 2021 Mar 22;11(1):6553. doi: 10.1038/s41598-021-85746-w.
- 11) **Cava C**, Pisati M, Frasca M, Castiglioni I. Identification of Breast Cancer Subtype-Specific Biomarkers by Integrating Copy Number Alterations and Gene Expression Profiles. *Medicina (Kaunas)*. 2021 Mar 12;57(3):261. doi: 10.3390/medicina57030261.
- 12) **Cava C**, Sabetian S, Castiglioni I. Patient-Specific Network for

Personalized Breast Cancer Therapy with Multi-Omics Data. Entropy (Basel). 2021 Feb 11;23(2):225. doi: 10.3390/e23020225.

13) Sabetian S, Zarei M, Jahromi BN, Morowwat MH, Tabei SMB, **Cava C**. Exploring the dysregulated mRNAs-miRNAs-lncRNAs interactions associated to idiopathic non-obstructive azoospermia. J Biomol Struct Dyn. 2021 Jan 26;1-9. doi: 10.1080/07391102.2021.1875879.

14) De Benedittis S, Fortunato F, **Cava C**, Gallivanone F, Iaccino E, Caligiuri ME, Castiglioni I, Bertoli G, Manna I, Labate A, Gambardella A. Circulating microRNA: The Potential Novel Diagnostic Biomarkers to Predict Drug Resistance in Temporal Lobe Epilepsy, a Pilot Study. Int J Mol Sci. 2021 Jan 12;22(2):702. doi: 10.3390/ijms22020702.

15) **Cava, C.**; Castiglioni, I. Integration of Molecular Docking and In Vitro Studies: A Powerful Approach for Drug Discovery in Breast Cancer. Appl. Sci. 2020, 10, 6981.

16) **Cava C**, Bertoli G, Castiglioni I. A protein interaction map identifies existing drugs targeting SARS-CoV-2. BMC Pharmacol Toxicol. 2020 Sep 3;21(1):65. doi: 10.1186/s40360-020-00444-z.

17) **Cava C**, Pini S, Taramelli D, Castiglioni I. Perturbations of pathway co-expression network identify a core network in metastatic breast cancer. Comput Biol Chem. 2020 Jun 20;87:107313. doi: 10.1016/j.compbiolchem.2020.107313.

18) **Cava, C.**, Bertoli, G., & Castiglioni, I. (2020). In Silico Discovery of Candidate Drugs against Covid-19. Viruses, 12(4), 404. <https://doi.org/10.3390/v12040404>

19) Colaprico A, Olsen C, Bailey MH, Odom GJ, Terkelsen T, Silva TC, Olsen AV, Cantini L, Zinovyev A, Barillot E, Noushmehr H, Bertoli G, Castiglioni I, **Cava C**, Bontempi G, Chen XS, Papaleo E. Interpreting pathways to discover cancer driver genes with Moonlight. Nat Commun. 2020 Jan 3;11(1):69. doi: 10.1038/s41467-019-13803-0.

20) **Cava C**, Novello C, Martelli C, Lodico A, Ottobrini L, Piccotti F, Truffi M, Corsi F, Bertoli G, Castiglioni I. Theranostic application of miR-429 in HER2+ breast cancer. Theranostics. 2020 Jan 1;10(1):50-61. doi: 10.7150/thno.36274

21) Gallivanone F*, **Cava C***, Corsi F, Bertoli G, Castiglioni I. In Silico Approach for the Definition of radiomiRNomic Signatures for Breast Cancer Differential Diagnosis. Int J Mol Sci. 2019 Nov 20;20(23):5825. doi: 10.3390/ijms20235825 ***equal**

22) **Cava C**, Bertoli G, Castiglioni I. Portrait of Tissue-Specific Coexpression Networks of Noncoding RNAs (miRNA and lncRNA) and mRNAs in Normal Tissues. Comput Math Methods Med. 2019 Sep 3;2019:9029351. doi: 10.1155/2019/9029351

23) **Cava C**, Castiglioni I. Integration of networks and pathways with StarBioTrek package. The R Journal 2019 11:1, 310-322. doi: 10.32614/RJ-2019-025

24) **Cava C**, Castiglioni I. In silico perturbation of drug targets in pan-cancer analysis combining multiple networks and pathways. Gene. 2019 Mar 3;698:100-106. doi: 10.1016/j.gene.2019.02.064.

25) Cantini L, Bertoli G, **Cava C**, Dubois T, Zinovyev A, Caselle M, Castiglioni I, Barillot E, Martignetti L. Identification of microRNA clusters cooperatively acting on epithelial to mesenchymal transition in triple negative breast cancer. Nucleic Acids Res. 2019 Jan 18. doi: 10.1093/nar/gkz016

- 26) **Cava C**, Manna I, Gambardella A, Bertoli G, Castiglioni I. Potential Role of miRNAs as Theranostic Biomarkers of Epilepsy. *Mol Ther Nucleic Acids*. 2018 Dec 7;13:275-290. doi: 10.1016/j.omtn.2018.09.008
- 27) **Cava C**, Bertoli G, Castiglioni I. In silico identification of drug target pathways in breast cancer subtypes using pathway cross-talk inhibition. *J Transl Med*. 2018 Jun 5;16(1):154. doi: 10.1186/s12967-018-1535-2.
- 28) Bravatà V, **Cava C***, Minafra L, Cammarata FP, Russo G, Gilardi MC, Castiglioni I, Forte GI. Radiation-Induced Gene Expression Changes in High and Low Grade Breast Cancer Cell Types. *Int J Mol Sci*. 2018 Apr 4;19(4). pii: E1084. doi:10.3390/ijms19041084 (***equal contribution**)
- 29) **Cava C**, Bertoli G, Colaprico A, Bontempi G, Mauri G, Castiglioni I. In-Silico Integration Approach to Identify a Key miRNA Regulating a Gene Network in Aggressive Prostate Cancer. *Int. J. Mol. Sci*. 2018, 19, 910.
- 30) **Cava C**, Bertoli G, Colaprico A, Olsen C, Bontempi G, Castiglioni I. Integration of multiple networks and pathways identifies cancer driver genes in pan-cancer analysis. *BMC Genomics*. 2018 Jan 6;19(1):25. doi: 10.1186/s12864-017-4423-x
- 31) Graudenzi A., **Cava C**, Bertoli G., Fromm B., Flatmark K., Mauri G., Castiglioni I. Pathway-based classification of breast cancer subtypes. *Frontiers in Bioscience, Landmark*, 2017, 22, 1697-1712
- 32) **Cava C**, Colaprico A, Bertoli G, Graudenzi A, Silva TC, Olsen C, Noushmehr H, Bontempi G, Mauri G, Castiglioni I. SpidermiR: An R/Bioconductor Package for Integrative Analysis with miRNA Data. *Int. J. Mol. Sci*. 2017, 18, 274.
- 33) Bertoli G, **Cava C**, Diceglie C, Martelli C, Rizzo G, Piccotti F, Ottobrini L, Castiglioni I. MicroRNA-567 dysregulation contributes to carcinogenesis of breast cancer, targeting tumor cell proliferation, and migration. *Breast Cancer Res Treat*. 2017 Feb;161(3):605-616.
- 34) **Cava C**, Colaprico A, Bertoli G, Bontempi G, Mauri G, Castiglioni I. How interacting pathways are regulated by miRNAs in breast cancer subtypes. *BMC Bioinformatics*. 2016.17(Suppl 12):1196
- 35) Bertoli G, **Cava C**, Castiglioni I. The potential of miRNAs for diagnosis,treatment and monitoring of breast cancer. *Scand J Clin Lab Invest*. 2016 Jul19:1-6.
- 36) Bertoli G, **Cava C**, Castiglioni I . MicroRNAs as Biomarkers for Diagnosis, Prognosis and Theranostics in Prostate Cancer. *Int J Mol Sci*. 2016 Mar 22;17(3). pii: E421
- 37) Graudenzi A, Caravagna G, Bocicor I M, **Cava C**, Antoniotti M, Mauri G. Ordering cancer mutational profiles of cross-sectional copy number alterations. *International Journal Data Mining and Bioinformatics*. 2016. 15(1) 59-83
- 38) Colaprico A, Silva TC, Olsen C, Garofano L, **Cava C**, Garolini D, Sabedot TS, Malta TM, Pagnotta SM, Castiglioni I, Ceccarelli M, Bontempi G, Noushmehr H. TCGAbiolinks: an R/Bioconductor package for integrative analysis of TCGA data. *Nucleic Acids Res*. 2016 May 5;44(8):e71.
- 39) **Cava C**, Bertoli G, Castiglioni I. Integrating genetics and epigenetics in breast cancer: biological insights, experimental, computational methods and therapeutic potential. *BMC Syst Biol*. 2015; 9:62.

40) Colaprico A*, **Cava C***, Bertoli G, Bontempi G, Castiglioni I. Integrative Analysis with Monte Carlo CrossValidation Reveals miRNAs Regulating Pathways Cross-Talk in Aggressive Breast Cancer. Biomed Res Int. 2015; 2015:831314. **(*equal contribution)**

41) Bertoli G, **Cava C**, Castiglioni I. MicroRNAs: New Biomarkers for Diagnosis, Prognosis, Therapy Prediction and Therapeutic Tools for Breast Cancer. Theranostics. 2015; 5(10):1122-43.

42) **Cava C**, Bertoli G, Ripamonti M, Mauri G, Zoppis I, Della Rosa PA, Gilardi MC, Castiglioni I. Integration of mRNA expression profile, copy number alterations, and microRNA expression levels in breast cancer to improve grade definition. Plos One. 2014; 9(5), e97681

43) **Cava C**, Zoppis I, Gariboldi M, Castiglioni I, Mauri G, Antoniotti M. Combined analysis of chromosomal instabilities and gene expression for colon cancer progression inference. Journal of clinical bioinformatics. 2014; 4(1), 2.

44) Bevilacqua V*, Pannarale P*, Abbrescia M*, **Cava C***, Paradiso A*, Tommasi S*. Comparison of data-merging methods with SVM attribute selection and classification in breast cancer gene expression BMC Bioinformatics 2012, 13(Suppl 7):S9 **(*equal contribution)**

**Articoli per
esteso su
Proceeding di
convegno
(Scopus)**

45) Cava C, Bertoli G, Castiglioni I. Pathway-based expression profile for breast cancer diagnoses. Conf Proc IEEE Eng Med Biol Soc. 2014;2014:1151-4.

46) Cava C, Bertoli G, Zoppis I, Mauri G, Gilardi M, Castiglioni I. Candidate Biomarkers for Response to Tamoxifen in Breast Cancer metastatic patients In Bioinformatics and BioEngineering 13th IEEE International Conference on 2013; 2013:1-4.

47) Cava C, Zoppis I, Mauri G, Ripamonti M, Gallivanone F, Salvatore C. et al. Combination of gene expression and genome copy number alteration has a prognostic value for breast cancer. In Engineering in Medicine and Biology Society (EMBC), 2013 35th Annual International Conference of the IEEE 2013;2013:608-611.

48) Cava C, Zoppis I, Gariboldi M, Castiglioni I, Mauri G, Antoniotti M. Copy-Number Alterations for Tumor Progression Inference. Lecture Notes in Computer Science 2013; 7885:104-109

49) Bevilacqua V, Pannarale P, Abbrescia M, Cava C, Tommasi S. Comparison of data-merging methods with SVM attribute selection and classification in breast cancer gene expression. Lecture Notes in Computer Science 2011; 6840: 498-507.

**Capitoli libri
(Scopus)**

50) Cava C, Gallivanone F, Salvatore C, della Rosa PA, Castiglioni I. Bioinformatics clouds for highthroughput technologies in Handbook of Research on Cloud Infrastructures for Big Data Analytics, chapter 20, IGI Global, 2014. Pages 489-507

51) Cava C, Gallivanone F, Salvatore C, della Rosa PA, Castiglioni I. Cloud Technology: Concepts, Methodologies, Tools, and Applications 3, pp. 1294-

1311

Software

Cava C, Colaprico A, Graudenzi A, Bertoli G, Silva TC, Olsen C, Noushmehr H, Bontempi G, Mauri G and Castiglioni I (2016). SpidermiR: An R/Bioconductor package for integrative network analysis with miRNA data. <https://bioconductor.org/packages/3.3/bioc/html/SpidermiR.html>

Colaprico A, Silva TC, Olsen C, Garofano L, Cava C, Garolini D, Sabedot T, Malta TM, Pagnotta SM, Castiglioni I, Ceccarelli M, Bontempi G and Noushmehr H (2015). " TCGAbiolinks: An R/Bioconductor package for integrative analysis of TCGA data." <https://www.bioconductor.org/packages/release/bioc/html/TCGAbiolinks.html>

Cava C. , Castiglioni I. StarBioTrek 2016 <https://bioconductor.org/packages/release/bioc/html/StarBioTrek.html>

Colaprico A, Olsen C, Cava C, Terkelsen T, Cantini L, Olsen A, Bertoli G, Zinovyev A, Barillot E, Castiglioni I, Papaleo E, Bontempi G MoonlightR: Identify oncogenes and tumor supressor genes from omics data 2016 <https://bioconductor.org/packages/release/bioc/html/MoonlightR.html>

Presentazioni orali Conferenze/Workshop

13th International Conference on Bioinformatics and BioEngineering (BIBE 2013) November 10-13, Chania, Greece. <http://medlab.cc.uoi.gr/bibe2013/> Title of presentation "Candidate Biomarkers for Response to Tamoxifen in Breast Cancer metastatic patients"

InterOmics Flagship project Workshop 3-4 June 2013. Development of an integrated Omics science platform for the definition of diagnostic, predictive and theranostic biomarkers profiles. Title of presentation "An innovative integration approach between microRNA, mRNA, and copy number alteration for improving BC diagnosis and prognosis."

14th Conference on Artificial Intelligence in Medicine (AIME 2013) May 29-June 1, 2013 Murcia, Spain. <http://www.aimeinfo.info/aime13/> Title of presentation " Copy-Number Alterations for Tumor Progression Inference"

InterOmics Flagship project Workshop 18-19 December 2017. Precision Medicine. Cell based Omics for biomedical research applications. Title of presentation " MiRNAs with high degree centrality are potential theranostic molecules in breast cancer (HDC BC miRNAs)"

Poster conferenza

15th European Conference on Computational Biology ECCB2016 Title of poster "TCGAbiolinks: An R/Bioconductor package for integrative analysis with TCGA data"

BITS 2015 The annual meeting of the Italian Society of Bioinformatics Milano Title of poster "

A new method to identify the organ-specific role of biomarkers as oncogene or

oncosuppressor in different tumor tissues"

BITS 2015 The annual meeting of the Italian Society of Bioinformatics Milano
Title of poster " miRNA-regulating pathway cross-talk in aggressive breast cancer"

36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. (EMBC 2014) August 26-30, 2014, Chicago, Illinois, USA. <http://embc.embs.org/2014/>. Title of poster " Pathway-based expression profile for breast cancer diagnoses."

35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. (EMBC 2013) July 3-7, 2013, Osaka, Japan. <http://embc2013.embs.org/> Title of poster" Combination of gene expression and genome copy number alteration has a prognostic value for breast cancer."

NETTAB 2012 Workshop on "Integrated Bio-Search", 14-16 November 2012, Como, Italy, <http://www.nettab.org/2012/> Title of poster " Chromosome instability for tumor progression inference"

NETTAB 2012 Workshop on "Integrated Bio-Search", 14-16 November 2012, Como, Italy, Title of poster "Ordering copy number alteration data to analyze colorectal cancer progression "

Corsi frequentati

2017 One-Day Course: Proteins as drug target, proteins as drug, and protein degradation as therapeutic strategy 8 Maggio 2017 Parma

2016 One day Summer school In Silico/In Vitro approaches for food science 9 Settembre 2016 Parma

2016 Systems Biology and Systems Medicine: Towards a precision medicine 26-30 Settembre 2016 Como

2015 Analisi Dati Next-Generation Sequencing (NGS) 28 Settembre-2 Ottobre 2015 Bertinoro

Attività di revisioni

Per le riviste Spandidos, Dove Medical Press, International Journal of Molecular Science, Evolutionary Bioinformatics. Publons: <https://publons.com/researcher/1271256/claudia-cava/>

Invited talk

Title: Pathway and network :new tools for diagnostic,prognosis, and theranostics in cancer SYSBIO.IT SCHOOL – 2nd SYSBIO.IT School on Computational Systems Biology. 4-6 October 2017 – Milan, Italy

23rd World Congress on Advances in Oncology and 22nd International Symposium on Molecular Medicine. 20-22 September 2018, Athens, Greece. Title of presentation "miRNAs Regulating Pathways Cross-Talk in Breast Cancer Subtypes"

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali.

