

# CECILIA BATTISTELLI

## Curriculum Vitae

Place: Roma  
Date: 17/03/2022

### **Part I – General Information**

Full Name	Cecilia Battistelli
Citizenship	Italian
Work Address	Viale regina Elena 324, 00161, Roma
Phone Number	+39 0649918236
E-mail	cecilia.battistelli@uniroma1.it
Spoken Languages	Italian (mother tongue), English, French

### **Part II – Education**

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	2007	Sapienza University of Rome	Biological Sciences (Degree), full marks and honors Thesis title: Analysis of the regulation of microRNAs biosynthesis. Tutor: Prof. Irene Bozzoni, University of Rome "Sapienza"
University graduation	2008	Sapienza University of Rome	Biology (LS: Genetics and Molecular Biology), full marks and honors Thesis title: Mechanisms regulating p57kip2 expression during muscle differentiation: role of DNA methylation. Tutors: Prof. Gabriella Augusti Tocco, University of Rome "Sapienza" and Prof. Rossella Maione, University of Rome "Sapienza"
Italian Biological Licensure (ESAME DI STATO)	2011	Sapienza University of Rome	
PhD	2012	Sapienza University of Rome	PhD in Human Biology and Genetics Thesis title: MyoD regulates p57kip2 expression through a long-range chromatin interaction. Tutor: Prof. Rossella Maione, University of Rome "Sapienza"

### **Part III – Appointments**

#### IIIA – Academic Appointments

Start	End	Institution	Position
15/07/2021	14/07/2024	Sapienza University of Rome	Ricercatore a tempo determinato (RTD) tipo B BIO13
01/05/2018	30/04/2021	Sapienza University of Rome	Ricercatore a tempo determinato (RTD) tipo A BIO13
18/09/2018	18/09/2027		Abilitazione Scientifica Nazionale 05/F1 II FASCIA

1/1/2012	30/04/2018	Sapienza University of Rome	Research Fellowship (PI: Prof. Marco Tripodi)
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### IIIB – Other Appointments

Start	End	Institution	Position
1/4/2017	31/05/2017	Pasteur Institute Italy-Bolognetti Foundation	Cenci Research Fellowship (PI: Prof. Marco Tripodi)
1/1/2013	28/02/2013	Pasteur Institute Italy-Bolognetti Foundation	Cenci Research Fellowship (PI: Prof. Marco Tripodi)
1/11/2011	31/12/2011	Pasteur Institute Italy-Bolognetti Foundation	Cenci Research Fellowship (PI: Prof. Rossella Maione)

### Part IV – Teaching experience

Year	Institution	Lecture/Course
2018/2019	Sapienza University of Rome	<b>Medicina e Chirurgia (canale C)</b> Biologia e Genetica I, modulo di Biologia Cellulare (2cfu)
2018/2022	Sapienza University of Rome	<b>Tecniche di Fisiopatologia Cardio-circolatoria e Perfusione Cardiovascolare</b> Basi cellulari e molecolari della vita, modulo di Biologia Applicata (2cfu)
2018/2021	Sapienza University of Rome	<b>Tecniche Ortopediche</b> Scienze Biomediche I, modulo di Biologia (2cfu)
2019/2022	Sapienza University of Rome	<b>Ostetricia</b> Basi molecolari e cellulari della vita, modulo di Biologia applicata (2cfu)

### Other Teaching experiences

2013-2022 Partecipation to ADE/lessons:

Laurea Magistrale “A” in **Medicina e Chirurgia** e del corso di Laurea Magistrale in **Biotecnologie Mediche** (Prof. M. Tripodi)

Corso di Laurea Magistrale a ciclo unico in **Medicina e Chirurgia** (Prof. R. Strippoli)

Corso di Laurea Magistrale “C” e del corso di Laurea Magistrale “F” in **Medicina e Chirurgia** (Prof.ssa F. Citarella)

### ASN Simulation

Value	Description	Threshold	
24	Numero articoli ultimi 5 anni	8	SECONDA FASCIA
977	Numero citazioni ultimi 10 anni	307	SECONDA FASCIA
16	H index ultimi 10 anni	8	SECONDA FASCIA
33	Numero articoli ultimi 10 anni	23	PRIMA FASCIA
977	Numero citazioni ultimi 15 anni	770	PRIMA FASCIA
16	H index ultimi 15 anni	15	PRIMA FASCIA
33	Numero articoli ultimi 10 anni	31	COMMISSARIO
977	Numero citazioni ultimi 15 anni	1163	COMMISSARIO
16	H index ultimi 15 anni	19	COMMISSARIO

### **Supervision of thesis**

2017/2018	Sapienza University of Rome, Facoltà di farmacia e Medicina, Corso di laurea in Biotecnologie (1 student) Thesis title: “Ruolo dello stretching meccanico nell’induzione della transizione epitelio-mesenchimale (EMT) nelle cellule peritoneali”
2019/2020	Erasmus Degree Project Sapienza University of Rome and Universitat de Barcelona (Spain) (1 student) Thesis title: “Exosome-mediated intercellular communication, the role of cellular RNA-binding proteins”
2020/2022	Sapienza University of Rome, Facoltà di farmacia e Medicina, Corso di laurea in Biotecnologie mediche (3 students) Thesis title: “Studio del ruolo della modifica m6A sui microRNA espressi in cellule di epatocarcinoma” 2 ongoing thesis projects
2020/2021	Sapienza University of Rome, Facoltà di farmacia e Medicina, Corso di laurea in Farmacia (1 student) Thesis title: “Studio degli effetti dell’inibizione della “Methyltransferase-like 3” in epatocarcinoma”.
2022	Erasmus Plus Project Sapienza University of Rome and Istanbul Medeniyet University (2 students)

### **Participation to Doctorate programmes**

Sept.2019/today	Sapienza University of Rome	PhD program in Human Biology and Medical Genetics
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### **Supervision of national and international PhD thesis**

2020	Universität des Saarlandes (Germany)	Thesis title: Design and synthesis of novel ligands for serotonin (5-HT <sub>6</sub> ) receptor and inhibitors of ABCB1 efflux pump
2021	Sapienza University of Rome	1 PhD Student (First year)

### **Part V – Society memberships**

Year	Title
2015-2019	ABCD (Associazione di Biologia Cellulare e del Differenziamento)
2018-today	Epigenetics Society
2013-2015	TEMTIA (The EMT International Association)
2020-today	EVIta (Extracellular Vesicle Italy)

### **Oral Presentations**

7-8/6/2021 **INVITED SPEAKER III international AICC Exosome Meeting “Cell to cell delivery in cancer and therapy: a matter of carriers and messages”** Virtual Event

6-8/11/2019 **1<sup>st</sup> EVIta Symposium**, Palermo

22-24/11/2018 **ABCD Meeting: “Signal Transduction in Cancer”**, Turin

23/11/2016 **INVITED SPEAKER** at the Bambino Gesù Children’s Hospital (Rome).

Seminar title: The Snail repressor recruits EZH2 to specific genomic sites through the enrolment of the lncRNA HOTAIR in epithelial-to-mesenchymal transition

20-23/9/2016 – **XIV FISV Congress** – Rome    30/9-1/10 2016 – **XVII AIBG Congress** – Cagliari

17-19/9/2015 – **ABCD meeting** – Bologna

7/9/2015 – **RNA day 2015, the multi-faceted non coding RNA landscape** – Rome  
 24-25-26-27/9/2014 – **Congress FISV 2014**- Pisa  
 12-13/9/2013 – Conference “**RNA day 2013, the centrality of non coding RNA in gene-regulation**”- Roma  
 12-13-14/10/2012 – **9° annual meeting IIM**- Acaya, Lecce.  
 24-25-26/5/2012 – “**Frontiers in molecular biology**” SIBBM congress – Palermo.  
 4-5-6/6/2009 – “**Frontiers in molecular biology**” SIBBM Congress – Napoli.

### Awards and Honors

Year	Title
2019	EViTa (Extracellular Vesicle Italy) award (best oral presentation)
2018	AIRC award at the AIBG (Associazione Italiana Biologia e Genetica) Congress (young investigator award)
2013	TEMTIA (The EMT International Association) award (young investigator award)
2012	IIM (Italian Institute of Myology) award (best oral presentation)
2012	SIBBM (Società Italiana Biofisica Biologia Molecolare) award (best oral presentation)
2011	EMBO award (young investigator award)
2010	Collegio Ghislieri award (young investigator award)

### Editorial activity

2016-2017	<b>Academic Editor</b> “Mediators of Inflammation”
2017-2018	<b>Academic Editor</b> “Frontiers in Pharmacology”
2019-2020	<b>Academic Editor</b> “Frontiers in Pharmacology”
2020	<b>Academic Editor</b> “Biomedicine”
2020	<b>Review Editor</b> for the Cellular Biochemistry section of “Frontiers in Cell and Developmental Biology” and of “Frontiers in Molecular Biosciences”

### Peer Review activity

Peer review activity for the following journals:

Cell death and Differentiation, Oncogene, Cancers, Sensors, Molecules, Molecular Cancer, International Journal of Molecular Sciences, Cancer Medicine, Experimental and Molecular Pathology, Cellular Physiology and Biochemistry, Clinics and Research in Hepatology and Gastroenterology, Cells, Cell communication and Signalling, International Journal of Cancer, Cell Death and Disease, Gene, Genes, Pharmaceuticals, Oxidative Medicine and Cellular longevity, Cancer Gene Therapy, Frontiers in Cell and Developmental Biology, Cancer Cell International.

### Part VI – Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program
2008	“Differenziamento miogenico e neuronale: fattori di regolazione”. (I)	Ricerche UNIVERSITARIE (ex ricerche di ATENEO) codice C26A082MNW.
2009-2011	Interplay between myogenic factors and cell cycle control. (I)	Istituto Pasteur – Fondazione Cenci Bolognetti
2012-2014	Transcriptional regulation through long-range chromatin interactions in muscle cells: the CDKN1C-KCNQ1 locus. (I)	Istituto Pasteur – Fondazione Cenci Bolognetti
2014-2016	Dissecting HNF4 $\alpha$ and Snail functions in hepatocyte reprogramming: role in liver cancer and fibrosis (I)	AIRC Investigator Grant n.IG14114
2017-2019	Developing ncRNAs-based strategies to counteract epithelial tumour progression	AIRC Investigator Grant n.IG18843

	and metastasis (I)	
2019	Molecular strategies to antagonize the epithelial to mesenchymal transition (EMT) by interfering with the function of the lncRNA Hotair (I)	Ricerche UNIVERSITARIE (ex ricerche di ATENEO) codice RM11916B6A80C2CF
2018	Study of tissue environmental cues inactivating the master regulator of hepatocyte differentiation, Hepatocyte Nuclear Factor 4, in liver diseases (I)	Ricerche UNIVERSITARIE (ex ricerche di ATENEO) codice RM1181643646188C
2021	Deciphering the role of m6A on HOTAIR function and EV-compartmentalization (PI)	SEED PNR- Finanziamento di progetti di ricerca su temi di interesse trasversale per il PNR

## Part VII – Research Activities

### Keywords

### Brief Description

Transcriptional factors Cell plasticity Chromatin ncRNAs Cell differentiation Tumorigenesis Epithelial-to-mesenchymal transition Epigenetics	<p>I am interested in molecular mechanisms controlling cell plasticity. In particular I focused my investigation in mechanisms controlling cell differentiation, epithelial-to-mesenchymal transition and tumour onset and dissemination. My collaborators and I elucidated the role of MyoD in the control of p57 (a cyclin-dependent kinase inhibitor) during muscle differentiation through the direct binding to the chromatin, and of CTCF in the reorganization of chromatin structure in the same phenomenon. In three recent studies, I projected, developed and then elucidated with my team members the role and regulation of a lncRNA, HOTAIR, in the progression of epithelial-to-mesenchymal transition. Specifically, I found that this lncRNA binds to the chromatin, together with the transcriptional factor Snail, in order to recruit chromatin modifiers on the promoters of epithelial genes. Then I focused on its transcriptional regulation, mainly mediated by another transcriptional factor, HNF4a, that binds to its promoter and enhancer and modifies a higher-order chromatin structure promoting HOTAIR transcription. More recently I designed a strategy to counteract HOTAIR function in epithelial-to-mesenchymal transition through an RNA-based approach counteracting HOTAIR-Snail interaction and chromatin modifications on the promoter regions of Snail-target epithelial genes.</p> <p>I am presently involved in research projects related to the identification of RNA-binding proteins interacting with microRNAs and responsible for microRNAs loading inside extracellular vesicles, specifically into exosomes. In this scenario I am also investigating the role of epitranscriptomics in modulating microRNA-protein interaction both in epithelial-to-mesenchymal transition and during differentiation.</p> <p>Moreover, I have been implicated in the development and biological application of different epigenetic drugs able to modulate gene expression both in epithelial-to-mesenchymal transition and in tumorigenesis. With respect to this aspect, I focused on the use different inhibitors of chromatin modifiers (DNA methyltransferases, Histone deacetylases, Polycomb repressive complex 2) in order to verify whether they could restore epithelial cell features (and epithelial genes expression rescue) without affecting transcription factor binding to the promoters of several epithelial genes.</p>
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### Scientific network:

Dr. Chiara Agrati, Istituto Nazionale per le Malattie Infettive "L.Spallanzani", Rome (INMI)

**Prof. Andres Ramos**, University College of London  
**Prof. Antonello Mai**, Sapienza University of Rome  
**Prof. Frank J. Gonzalez**, Center for Cancer Research, National Cancer Institute, Bethesda  
**Dr. Rosaria Benedetti**, Università degli Studi della Campania "Luigi Vanvitelli, Naples  
**Prof. Miguel A. Del Pozo**, Centro Nacional de Investigaciones Cardiovasculares Carlos III, Madrid  
**Prof. Manuel Lopez-Cabrera**, Centro De Biología Molecular Severo Ochoa, Madrid  
**Prof. Jadwiga Handzlik**, Jagiellonian University, Kraków, Poland  
**Prof. Claus Jacob**, Universität des Saarlandes, Saarbrücken, Germany  
**Dr. Daniela Trisciuglio**, Italian National Research Council, Rome (CNR)  
**Dr. Loredana Cifaldi**, University of Rome Tor Vergata

#### **Part VIII – Summary of Scientific Achievements (papers published from 2012 to 2022)**

Product type      Number      Data Base

Papers [international]	38	Scopus <a href="https://www.scopus.com/author/submit/profile.uri?authorId=55371458900">https://www.scopus.com/author/submit/profile.uri?authorId=55371458900</a>	2012	2022
Papers [international]	40	Google Scholar <a href="https://scholar.google.it/citations?user=RTOf_14AAAAJ&amp;hl=it&amp;authuser=1&amp;oi=ao">https://scholar.google.it/citations?user=RTOf_14AAAAJ&amp;hl=it&amp;authuser=1&amp;oi=ao</a>	2012	2022

	Scopus*	Google Scholar*
Total Impact factor	268.036	268.036
Impact factor per product	7.05	6.70
First name products	12	13
Last name products	3	4
Corresponding author products	4	5
Total Citations	968	1185
Average Citations per Product	25.47	29.63
Hirsch (H) index	16	17
Normalized H index**	1.14	1.21

All data were updated on 17/03/2022

\*IF 2021

\*\*H index divided by the academic seniority.

#### **Part IX – Publications:**

##### **1) *MyoD regulates p57kip2 expression by interacting with a distant cis-element and modifying a higher order chromatin structure***

Authors: A. Busanello\*, **C. Battistelli\***, M. Carbone, C. Mostoccoto and R. Maione

\*First authors

Nucleic Acids Res.2012 Sep 1;40(17):8266-75. doi:10.1093/nar/gks619. Epub 2012 Jun 26. PMID: 22740650

Journal: **Nucleic Acids Research**; IF 2012: **8.278**

##### **2) *Functional interplay between MyoD and CTCF in regulating long-range chromatin interactions during differentiation***

Authors: **C. Battistelli**, A. Busanello and R. Maione

J Cell Sci. 2014 Sep 1;127(Pt 17):3757-67. doi: 10.1242/jcs.149427. Epub 2014 Jul 7. PMID: 25002401

Journal: **Journal of Cell Science**; IF 2014: **5.432**

##### **3) *Epigenetic control of EMT/MET dynamics: HNF4α impacts DNMT3s through miRs-29***

Authors: C. Cicchini, V. de Nonno, **C. Battistelli**, A. M. Cozzolino, M. De Santis Puzzonia, S. A. Ciafrè, C. Brocker, F. J. Gonzalez, L. Amicone, and M. Tripodi

Biochim Biophys Acta. 2015 Aug;1849(8):919-29. doi: 10.1016/j.bbagen.2015.05.005. Epub 2015 May 21. PMID: 26003733

Journal: **Biochimica et Biophysica Acta - Gene Regulatory Mechanisms**; IF 2015: **5.373**

**4) Modulating the Substrate Stiffness to Manipulate Differentiation of Resident Liver Stem Cells and to Improve the Differentiation State of Hepatocytes**

Authors: A. M. Cozzolino, V. Noce, **C. Battistelli**, A. Marchetti, G. Grassi, C. Cicchini, M. Tripodi, and L. Amicone

Stem Cells Int. 2016;2016:5481493. doi: 10.1155/2016/5481493. Epub 2016 Jan 12. PMID: 27057172

Journal: **Stem Cells International**; IF 2016: **3.540**

**5) Molecular Mechanisms Underlying Peritoneal EMT and Fibrosis**

Authors: R. Strippoli, R. Moreno-Vicente, **C. Battistelli**, C. Cicchini, V. Noce, L. Amicone, A. Marchetti, M. A. del Pozo, and M. Tripodi

Stem Cells Int. 2016;2016:3543678. doi: 10.1155/2016/3543678. Epub 2016 Jan 31. PMID: 26941801

Journal: **Stem Cells International**; IF 2016: **3.540**

**6) The RNA-Binding Protein SYNCRIP Is a Component of the Hepatocyte Exosomal Machinery Controlling MicroRNA Sorting**

Authors: L. Santangelo, G. Giurato, C. Cicchini, C. Montaldo, C. Mancone, R. Tarallo, **C. Battistelli**, T. Alonzi, A. Weisz, and M. Tripodi

Cell Rep. 2016 Oct 11;17(3):799-808. doi: 10.1016/j.celrep.2016.09.031. PMID: 27732855

Journal: **Cell Reports**; IF 2016: **8.282**

**7) A cross-talk between DNA methylation and H3 lysine 9 dimethylation at the KvDMR1 region controls the induction of Cdkn1c in muscle cells**

Authors: O. Andresini, A. Ciotti, M. N. Rossi, **C. Battistelli**, M. Carbone, and R. Maione

Epigenetics. 2016 Nov;11(11):791-803. doi: 10.1080/15592294.2016.1230576. Epub 2016 Sep 9. PMID: 27611768

Journal: **Epigenetics**; IF 2016: **4.394**

**8) Functional Roles and Therapeutic Applications of Exosomes in Hepatocellular Carcinoma**

Authors: L. Santangelo, **C. Battistelli**, C. Montaldo, F. Citarella, R. Strippoli and C. Cicchini

Biomed Res Int. 2017;2017:2931813. doi: 10.1155/2017/2931813. Epub 2017 Feb 7. PMID: 28265569

Journal: **BioMed Research International**; IF 2017: **2.583**

**9) The Snail repressor recruits EZH2 to specific genomic sites through the enrollment of the lncRNA HOTAIR in epithelial-to-mesenchymal transition**

Authors: **C. Battistelli**, C. Cicchini, L. Santangelo, A. Tramontano, L. Grassi, F. J. Gonzalez, V. de Nonno, G. Grassi, L. Amicone and M. Tripodi

Oncogene. 2017 Feb 16;36(7):942-955. doi: 10.1038/onc.2016.260. Epub 2016 Jul 25. PMID: 27452518

Journal: **Oncogene**; IF 2017: **6.854**

**10) SMO inhibition modulates cellular plasticity and invasiveness in colorectal cancer**

Authors: P. Magistri\*, **C. Battistelli**\*, R. Strippoli, N. Petrucciani, T. Pellinen, L. Rossi, L. Mangogna, P. Aurello, F. D'Angelo, M. Tripodi, G. Ramacciato and G. Nigri

\*First authors

Front Pharmacol. 2018 Feb 2;8:956. doi: 10.3389/fphar.2017.00956. eCollection 2017. PMID: 29456503

Journal: **Frontiers in Pharmacology**; IF 2018: **3.831**

**11) Hepatitis C virus direct-acting antivirals therapy impacts on extracellular vesicles microRNAs content and on their immunomodulating properties**

Authors: L. Santangelo, V. Bordoni, C. Montaldo, E. Cimini, A. Zingoni, **C. Battistelli**, G. D'Offizi, M. R. Capobianchi, A. Santoni, M. Tripodi and C. Agrati

Liver Int. 2018 Oct;38(10):1741-1750. doi: 10.1111/liv.13700. Epub 2018 Feb 24. PMID: 29359389

Journal: **Liver International**; IF 2018: **5.542**

**12) A cryptic RNA-binding domain mediates Syncrip recognition and exosomal partitioning of miRNA targets**

Authors: F. Hobor, A. Dallmann, N. J. Ball, C. Cicchini, **C. Battistelli**, R. W. Ogrodowicz, E. Christodoulou, S. R. Martin, A. Castello, M. Tripodi, I. A. Taylor and A. Ramos  
Nat Commun. 2018 Feb 26;9(1):831. doi: 10.1038/s41467-018-03182-3. PMID: 29483512  
Journal: **Nature Communications**; IF 2018: **11.878**

**13) HDAC1 inhibition by MS-275 in mesothelial cells limits cellular invasion and promotes MMT reversal**

Authors: L. Rossi\*, **C. Battistelli\***, V. de Turris, V. Noce, C. Zwergel, S. Valente, A. Moioli, A. Manzione, M. Palladino, V. Bordoni, A. Domenici, P. Menè, A. Mai, M. Tripodi and R. Strippoli  
\*First authors

Sci Rep. 2018 May 31;8(1):8492. doi: 10.1038/s41598-018-26319-2. PMID: 29855565  
Journal: **Scientific Reports**; IF 2018: **4.011**

**14) TGF $\beta$  impairs HNF1 $\alpha$  functional activity in Epithelial-to-Mesenchymal Transition interfering with the recruitment of CBP/p300 acetyltransferases**

Authors: F. Bisceglia\*, **C. Battistelli\***, V. Noce, C. Montaldo, A. Zammataro, R. Strippoli, M. Tripodi, L. Amicone and A. Marchetti

\*First authors

Front Pharmacol. 2019 Aug 30;10:942. doi: 10.3389/fphar.2019.00942. eCollection 2019. PMID: 31543815  
Journal: **Frontiers in Pharmacology**; IF 2019: **4.225**

**15) Development of alkyl glycerone phosphate synthase inhibitors: Structure-activity relationship and effects on ether lipids and epithelial-mesenchymal transition in cancer cells**

Authors: G. Stazi\*, **C. Battistelli\***, V. Piano, R. Mazzone, B. Marrocco, S. Marchese, S. M. Louie, C. Zwergel, L. Antonini, A. Patsilinakos, R. Ragno, M. Viviano, G. Sbardella, A. Ciogli, G. Fabrizi, R. Cirilli, R. Strippoli, A. Marchetti, M. Tripodi, D. K. Nomura, A. Mattevi, A. Mai and S. Valente

\*First authors

Eur J Med Chem. 2019 Feb 1;163:722-735. doi: 10.1016/j.ejmech.2018.11.050. Epub 2018 Nov 28. PMID: 30576903

Journal: **European Journal of Medicinal Chemistry**; IF 2019: **5.572**

**16) The lncRNA HOTAIR transcription is controlled by HNF4 $\alpha$ -induced chromatin topology modulation**

Authors: **C. Battistelli**, G. Sabarese, L. Santangelo, C. Montaldo, F. J. Gonzalez, M. Tripodi and C. Cicchini  
Cell Death Differ. 2019 May;26(5):890-901. doi: 10.1038/s41418-018-0170-z. Epub 2018 Aug 28. PMID: 30154449

Journal: **Cell Death and Differentiation**; IF 2019: **10.717**

**17) Identification of a novel quinoline-based DNA demethylating compound highly potent in cancer cells**

Authors: C. Zwergel, M. Schnekenburger, F. Sarno, **C. Battistelli**, M. C. Manara, G. Stazi, R. Mazzone, R. Fioravanti, C. Gros, F. Ausseil, C. Florean, A. Nebbioso, R. Strippoli, T. Ushijima, K. Scotlandi, M. Tripodi, P. B. Arimondo, L. Altucci, M. Diederich, A. Mai and S. Valente

Clin Epigenetics. 2019 May 6;11(1):68. doi: 10.1186/s13148-019-0663-8. PMID: 31060628

Journal: **Clinical Epigenetics**; IF 2019: **5.028**

**18) Caveolin1 and YAP drive mechanically-induced mesothelial to mesenchymal transition and fibrosis**

Authors: R. Strippoli, P. Sandoval, R. Moreno-Vicente, L. Rossi, **C. Battistelli**, M. Terri, L. Pascual-Antón, M. Loureiro, F. Matteini, E. Calvo, J. A. Jiménez-Heffernan, M. J. Gómez, V. Jiménez-Jiménez, F. Sánchez-Cabo, J. Vázquez, M. Tripodi, M. López-Cabrera and M. Á. del Pozo

Cell Death Dis. 2020 Aug 3;11(8):647. doi: 10.1038/s41419-020-02822-1. PMID: 32811813

Journal: **Cell Death and Disease**; IF 2020: **6.304**

**19) The innovative potential of selenium-containing agents for fighting cancer and viral infections**

Authors: W. Ali, R. Benedetti, J. Handzlik, C. Zwergel and **C. Battistelli**

Accepted manuscript (19/10/2020), in press, <https://doi.org/10.1016/j.drudis.2020.10.014>

Journal: **Drug Discovery Today**; IF 2020: **7.321**

**20) Design and functional validation of a mutant variant of the lncRNA HOTAIR to counteract Snail function in Epithelial-to-Mesenchymal Transition**

Authors: **C. Battistelli**#, S. Garbo, V. Riccioni, C. Montaldo, L. Santangelo, A. Vandelli, R. Strippoli, G. G. Tartaglia, M. Tripodi# and C. Cicchini

#Corresponding authors

Accepted manuscript (27/10/2020), in press.

Journal: **Cancer Research**; IF 2020: **9.727**

**21) Spike-in SILAC proteomic approach reveals the vitronectin as an early molecular signature of liver fibrosis in hepatitis C infections with hepatic iron overload.**

Authors: Montaldo C, Mattei S, Baiocchini A, Rotiroti N, Del Nonno F, Pucillo LP, Cozzolino AM, **Battistelli C**, Amicone L, Ippolito G, van Noort V, Conigliaro A, Alonzi T, Tripodi M, Mancone C.

Proteomics. 2014 May;14(9):1107-15. doi: 10.1002/pmic.201300422. PMID: 24616218

Journal: **Proteomics**; IF 2014 **3.807**

**22) Poly(ADP-ribosylation) is required to modulate chromatin changes at c-MYC promoter during emergence from quiescence.**

Authors: Mostoccoto C, Carbone M, **Battistelli C**, Ciotti A, Amati P, Maione R.

PLoS One. 2014 Jul 21;9(7):e102575. doi: 10.1371/journal.pone.0102575. eCollection 2014. PMID: 25047032

Journal: **Plos One**; IF 2014 **3.234**

**23) SETDB1 is a new promising target in HCC therapy.**

Authors: Cicchini C, **Battistelli C**, Tripodi M.

Chin Clin Oncol. 2016 Dec;5(6):73. doi: 10.21037/cco.2016.05.04. Epub 2016 Jun 3. PMID: 27334461

Journal: **Chin Clin Oncol.**; IF 2016 **n.d.**

**24) Targeting of polycombs to DNA in EMT.**

Authors: **Battistelli C**, Tripodi M, Cicchini C.

Oncotarget. 2017 Aug 12;8(35):57936-57937. doi: 10.18632/oncotarget.20211. eCollection 2017 Aug 29.

PMID: 28938527

Journal: **Oncotarget**; IF 2017 **n.d.**

**25) Promotion of proliferation and metastasis of hepatocellular carcinoma by LncRNA00673 based on the targeted-regulation of notch signaling pathway**

Authors: P Magistri 1, **C Battistelli**, G Assirati, F Mereu, G Tarantino, G P Guerrini, R Ballarin, F Di Benedetto

Eur Rev Med Pharmacol Sci. 2017 Oct;21(19):4261-4262. PMID: 29077173

Journal: **Eur Rev Med Pharmacol Sci.** IF 2017: **2.387**

**26) The lncRNA H19 positively affects the tumorigenic properties of glioblastoma cells and contributes to NKD1 repression through the recruitment of EZH2 on its promoter.**

Authors: Fazi B, Garbo S, Toschi N, Mangiola A, Lombari M, Sicari D, **Battistelli C**, Galardi S, Michienzi A, Trevisi G, Harari-Steinfeld R, Cicchini C, Ciafrè SA.

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Authors: I. Veneziani, P. Infante, E. Ferretti, O. Melaiu, **C. Battistelli**, V. Lucarini, M. Compagnone, C. Nicoletti, A. Castellano, S. Petrini, M. Ognibene, A. Pezzolo, L. Di Marcotullio, L. Moretta, R. Bei, V. Pistoia, D. Fruci, V. Barnaba, F. Locatelli, and L. Cifaldi

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