

ALL. B

Procedura selettiva di chiamata per n. 1 posto di **Ricercatore a tempo determinato - Tipologia B** presso il **Dipartimento di ...Biologia e Biotecnologie "Charles Darwin"**, Facoltà di Scienze Matematiche Fisiche e Naturali Settore Scientifico-disciplinare **MED/04**, Settore concorsuale **06/A2 PATOLOGIA GENERALE E PATOLOGIA CLINICA** di cui al bando emanato con **Decreto Rettore Università di Roma "La Sapienza" n 2267/2021 del 09.08.2021** ed avviso pubblicato sulla G.U. – IV serie speciale n. 69 in data 31-08-2021, codice concorso 2021RTDB022.

FRANCESCO SPALLOTTA

Curriculum Vitae

Place Rome

Date 27/09/2021

Part I – General Information

Omesse in modo da garantire la conformità del Curriculum Vitae a quanto prescritto dall'art. 4 del Codice in materia di protezione dei dati personali e dall'art. 26 del D. Lgs. 14 marzo 2013, n. 33, al fine della pubblicazione, e contrassegnata per la destinazione “ai fini della pubblicazione”

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
Baccalaureate	2001	High School “I. Vian”, Bracciano (RM) - Italy	High School qualification in scientific studies - 92/100
University graduation (Bachelor)	2004	Sapienza University, Rome - Italy	BSc in Biotechnology - 110/110 cum laude
University graduation (Degree)	2006	Sapienza University, Rome - Italy	MSc in Molecular, Cellular and Medical Biotechnologies - 110/110 cum laude
PhD	2011	Sapienza University, Rome - Italy	PhD in Experimental Medicine

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
01/08/2012	30/06/2018	Goethe University, Frankfurt am Main (Germany)	Wissenschaftlicher Mitarbeiter equivalente a RTD secondo art. 18, comma 1, lettera b, della legge 30/12/2010, numero 240
01/03/2019	29/02/2020	University of Turin (Italy)	Assegnista di ricerca

IIIB – Other Appointments

Start	End	Institution	Position
01/01/2004	30/09/2004	Ultrastructural Pathology Laboratory – Azienda Ospedaliera Sant’Andrea – Rome (Italy)	Bachelor student
01/09/2005	31/12/2006	Vascular Pathology Laboratory - Istituto Dermopatico dell’Immacolata (IDI) – Rome (Italy)	Master of science student
01/01/2007	31/12/2007	Centro Cardiologico Monzino – Milan (Italy)	Post-graduate fellow
01/01/2008	31/12/2009	Vascular Pathology Laboratory - Istituto Dermopatico dell’Immacolata	PhD student

01/02/2010	30/06/2012	(IDI) – Rome (Italy) Vascular Biology and Regenerative Medicine Laboratory – Centro Cardiologico Monzino – Milan (Italy)	PhD student and post doctoral fellow
12/07/2018	28/02/2019	Cancer Epigenetics Laboratory – Candiolo Cancer Institute – Candiolo (TO) (Italy)	Contratto di collaborazione coordinata e continuativa
1/03/2020	present	National Research Council (CNR) – Institute of Analysis and Computer Science (IASI)	III level researcher

Part IV – Teaching experience

Year	Institution	Lecture/Course
2013-2017	Goethe University, Frankfurt am Main (Germany)	Corsi teorici e pratici relativi all'epigenetica e metabolismo nell'ambito del programma di dottorato DFG-SFB 834 di "Vascular Biology and Medicine"
2013-2017	Goethe University, Frankfurt am Main (Germany)	Supervisione della dottoranda Sandra Atlante (Dottorando della Facoltà di Biochimica, Chimica e Farmacia). Dottorato previsto per Ottobre 2019.
2014-2018	Goethe University, Frankfurt am Main (Germany)	Supervisione della dottoranda Johanna Heid (Dottorando della Facoltà di Scienze Biologiche). Dottorato conseguito il 12/10/2018.
2018-2019	University of Turin (Italy)	Incarico per attività di complemento alla didattica al corso di studio in "Tecnica della riabilitazione psichiatrica" di 15 ore in BIOCHIMICA (SSD: BIO/10) modulo di insegnamento "Scienze propedeutiche e biomediche"
2019	University of Turin (Italy)	Supervisione della studentessa di laurea triennale in Biotecnologie Martina Coco. Laurea conseguita a Ottobre 2019.
2019-2020	University of Turin (Italy)	Incarico per attività di complemento alla didattica al corso di studio in "Tecnica della riabilitazione psichiatrica" di 15 ore in BIOCHIMICA (SSD: BIO/10) modulo di insegnamento "Scienze propedeutiche e biomediche"

Part V - Society memberships, Awards and ASN Habilitations

Year	Title
2012-2013	American Heart Association membership as Student Trainee to the "Basic Cardiovascular Science" council
2014-2017	American Heart Association membership as Early Career to the "Genomic and Precision Medicine" council
2016	FTGB Young Investigator Award from the Council on Functional Genomics and Translational Biology, American Heart Scientific Session 2016 New Orleans, USA (1500 \$)
2018	American Association for Cancer Research membership ID 464293
2019	European Association for the Study of Diabetes membership ID 390126

2018	Habilitation to associate professorship from 24/09/2018 to 24/09/2024 SSD 05/E1 (BIO/10) BIOCHEMISTRY
2018	Habilitation to associate professorship 05/10/2018 to 05/10/2024 SSD 05/E3 (BIO/12) CLINICAL BIOCHEMISTRY AND CLINICAL MOLECULAR BIOLOGY
2018	Habilitation to associate professorship from 18/09/2018 to 18/09/2024 SSD 05/F1 (BIO/13) APPLIED BIOLOGY
2018	Habilitation to associate professorship from 31/10/2018 to 31/10/2024 SSD 06/A2 (MED/04) GENERAL AND CLINICAL PATHOLOGY
2020	Habilitation to associate professorship from 13/11/2020 to 13/11/2029 SSD 05/E2 (BIO/11) MOLECULAR BIOLOGY
2020	Habilitation to associate professorship from 18/11/2020 to al 18/11/2029 SSD 05/D1 (BIO/09) PHYSIOLOGY
2020	Habilitation to associate professorship from 13/11/2020 to 13/11/2029 SSD 06/N1 (MED/46) SANITARY PROFESSION SCIENCE AND APPLIED MEDICAL TECHNOLOGIES

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

Year	Title	Program	Grant value
2012 – 2017	Cardiovascular Diseases as Investigator	Start up grant from LOEWE Cell & Gene Therapy Center (LOEWE-CGT)	500000€
2012-2017	"Endothelial Signaling and Vascular Repair": "Role of p300/CBP associated factor (PCAF) in endothelial cell signalling" as Investigator	DFG (Deutsche Forschungsgemeinschaft) programma speciale SFB834	200000€
2012 – 2013	"Identification of functional long non coding RNAs crucial for human stromal cell reprogramming to vascular and cardiac precursors in response to nitric oxide " as PI	Centro per la Terapia Genica LOEWE-CGT, Ministero tedesco della Scienza e dell'Arte	45000 €
2015	"Identification of zinc-finger protein Castor 1 (Casz1) targets important during cardiac mesenchymal stromal cell reprogramming into cardiomyocyte precursors" as PI	Centro per la Terapia Genica LOEWE-CGT, Ministero tedesco della Scienza e dell'Arte	45000 €
2015 – 2016	"Epimetabolic Assessment of Human Cardiac Stromal Cells as "Sensors" of the Heart micro-environment" as PI	DFG (Fondazione tedesca della ricerca) presso il cluster tedesco di eccellenza cardiopolmonare (ECCPS)	150000 €
2016 – 2017	"Analysis of epi-metabolic effect of statins and type II diabetes on cardiac fibroblasts and lymphocytes in patients with coronary heart disease (CHD) and the indication of coronary artery bypass operation (ACB)" as Co-PI	Kerckhoff Clinic foundation di Bad Nauheim, Germania.	70000 €
2017	"Identification of zinc-finger protein Castor 1 (Casz1) targets important during cardiac mesenchymal stromal cell reprogramming into cardiomyocyte precursors " as PI	Private foundation for Medicine faculty of Goethe University, Frankfurt am Main, Germany	20000 €
2019-	"Caratterizzazione ed evoluzione	AIRC – PI: F. Di Nicolantonio	33000 €

2020	dell'eterogeneità molecolare, cellulare e clinica dei tumori coloretali: dalla patogenesi alle strategie terapeutiche” as Investigator		
2020-2025	“Metabolic regulation of the DNA demethylation enzymatic machinery in pancreatic cancer” as PI	AIRC (My First AIRC Grant)	500000€
2020-2021	"Targeting metabomiR-144 to prevent the development of hepatocellular carcinoma in patients with non-alcoholic steatohepatitis" as co-PI	Karolinska Institute Research Funding	80000€

Part VII – Research Activities

Keywords

Epigenetics
Metabolism
DNA methylation
Cardiovascular Disease
Cancer
Skeletal muscle disorders
Nitric Oxide

Brief Description

I have a strong expertise in cellular and molecular biology and I am extremely proficient with many cellular and in vivo models suitable to study different physiopathological contexts. Since 2005, I worked in the field of epigenetics pointing out novel molecular mechanisms underpinning onset and progression of human diseases. In 2014, I started to be extremely interested in exploring the link between epigenetics and metabolism, especially in response to dysmetabolic contexts associated with diabetes, aging and cancer and established following specific dietary regimens, including high fat diet, fast mimicking diet and ketogenic diet. These studies led me to elucidate an altered DNA methylation pattern associated with reduced level of α -ketoglutarate in mesenchymal cardiac cells isolated from type-2 diabetic patients pointing out a mechanism at the molecular base of the so called “hyperglycemic memory” responsible for cardiovascular complications in diabetes. Moreover, I characterized the contribution of the same metabolite, α -ketoglutarate, during breast cancer-associated lung metastasis. At present, I am investigating the link between colorectal cancer and pancreatic ductal adenocarcinoma with diabetes and obesity. In all my studies, I applied integrative OMICS analysis by performing DNA methylome sequencing, ChIP-sequencing, RNA-sequencing and metabolome analysis. In all my projects, I screened and used commercial and new epi-drugs to restore normal phenotype in vitro and in vivo.

Part VIII – National and International Conference attendances as Invited Speaker

Contribution	Conference	Place	Date
Poster	Functional Genomics with Embryonic Stem Cells - EMBL	Heidelberg (Germany)	2007
Poster	Stem of the heart: myocardial and vascular rebirth	Boston – USA	2008
Poster	American Heart Association Scientific Session	Orlando – USA	2009
Poster	Chromatin remodelling and human disease	Rome (Italy)	2009
Poster	Histone deacetylases & reversible acetylation in signaling & disease – FASEB meeting	Steamboat Spring – USA	2011
Oral presentation	V Convegno monotematico della Società Italiana di Farmacologia – Aterotrombosi:	Milano (Italy)	2011

	dalla ricerca di base alla clinica		
Poster	American Heart Association Scientific Session	Los Angeles – USA	2012
Poster	American Heart Association Scientific Session	Chicago – USA	2014
Poster	7th World Congress on Targeting Mitochondria	Berlin (Germany)	2016
2 oral presentations	American Heart Association Scientific Session	New Orleans – USA	2016

Part IX– Trainings

Training	Place	Date
Laboratory Animal Science according to guidelines of Federation European Laboratory Animal Science Associations (FELASA)	Centro Europeo di Ricerca sul Cervello (Via Fosso Fiorano 64, 00143, Rome, Italy)	March – April 2007
Zeiss AxioObserver Z1 – Apotome training for operators	Zeiss in collaboration with Centro Cardiologico Monzino (IRCCS – Via Carlo Parea 4, 20138, Milan, Italy)	July 2010
BD FACSCalibur, BD CellQuest and BD CellQuestPro training for operators	BD Biosciences (Via Azalee 19, 20090, Buccinasco (Mi), Italy)	June – July 2010
Theoretical and practical course on confocal microscopy and full use of LSM 710	Zeiss in collaboration with Centro Cardiologico Monzino (IRCCS – Via Carlo Parea 4, 20138, Milan, Italy)	October 2011

Part X– Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	38	Scopus	2008	2021

Total Impact factor	257.94
Total Citations	1132
Average Citations per Product	29.8
Hirsch (H) index	23
Normalized H index*	2.3

*H index divided by the academic seniority (time span from last graduation: PhD in 2011).

Part XI– Selected Publications

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

N	Year	Publication title, authors and reference data	IF (N° cit)	Type
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N	Year	Publication title, authors and refernce data	IF (N° cit)	Type
1	2021	Carbone C, Piro G, Agostini A, Delfino P, De Sanctis F, Nasca V, Spallotta F, Sette C, Martini M, Ugel S, Corbo V, Cappello P, Bria E, Scarpa A, Tortora G. Intratumoral injection of TLR9 agonist promotes an immunopermissive microenvironment transition and causes cooperative antitumor activity in combination with anti-PD1 in pancreatic cancer. <i>J Immunother Cancer</i> . 2021 Sep;9(9):e002876.	13,75 (0)	Original article
2	2021	Azzimato V, Chen P, Barreby E, Morgantini C, Levi L, Vankova A, Jager J, Sulen A, Diotallevi M, Shen JX, Miller A, Ellis E, Rydén M, Na Slund E, Thorell A, Lauschke VM, Channon KM, Crabtree MJ, Haschemi A, Craige SM, Mori M, Spallotta F , Aouadi M. Hepatic miR-144 drives fumarase activity preventing NRF2 activation during obesity. <i>Gastroenterology</i> . 2021 Aug 20:S0016-5085(21)03410-7.	22,68 (0)	Original article
3	2019	Cencioni C, Heid J, Krepelova A, Rasa SMM, Kuenne C, Guenther S, Baumgart M, Cellerino A, Neri F, Spallotta F* , Gaetano C*. Aging Triggers H3K27 Trimethylation Hoarding in the Chromatin of Nothobranchius furzeri Skeletal Muscle. <i>Cells</i> . 2019 Sep 28;8(10). pii: E1169. (* Spallotta F and Gaetano C co-last and corresponding authors)	4.829 (2)	Original article
4	2019	Savoia M, Cencioni C, Mori M, Atlante S, Zaccagnini G, Devanna P, Di Marcotullio L, Botta B, Martelli F, Zeiher AM, Pontecorvi A, Farsetti A, Spallotta F , Gaetano C. P300/CBP-associated factor regulates transcription and function of isocitrate dehydrogenase 2 during muscle differentiation. <i>FASEB J</i> . 2019 Mar;33(3):4107-4123. (* Spallotta F and Gaetano C co-last and corresponding authors)	5.391 (6)	Original article
5	2018	Almeida F, Tognarelli S, Marçais A, Kueh A, Friede M, Liao Y, Willis S, Luong K, Faure F, Mercier F, Galluso J, Firth M, Narni-Mancinelli E, Rais B, Scadden D, Spallotta F , Weil S, Giannattasi A, Ganss F, Zöller T, Huntington N, Schleicher U, Chiocchetti A, Ugolini S, Herold M, Shi W, Koch J, Steinle A, Vivier E, Walzer T, Belz G, Ullrich E. A point mutation in the Ncr1 signal peptide impairs the development of innate lymphoid cell subsets. <i>Oncoimmunology</i> . 2018 Aug 15;7(10):e1475875.	5,869 (8)	Original article
6	2018	Atlante S, Visintin A, Marini E, Savoia M, Dianzani C, Giorgis M, Sürün D, Maione F, Schnütgen F, Farsetti A, Zeiher AM, Bertinaria M, Giraudo E, Spallotta F , Cencioni C, Gaetano C. α -ketoglutarate dehydrogenase inhibition counteracts breast cancer-associated lung metastasis. <i>Cell Death Dis</i> . 2018 Jul 9;9(7):756. (* Spallotta F, Cencioni C and Gaetano C co-last authors)	5.959 (24)	Original article
7	2018	Cencioni C*, Spallotta F* , Savoia M, Kuenne C, Günther S, Re A, Wingert S, Rehage M, Sürün D, Siragusa M, Smith JG, Schnütgen F, von Melchner A, Rieger MA, Martelli F, Riccio A, Fleming I, Braun T, Zeiher AM, Farsetti A, Gaetano C. A Zeb1 Hdac2 eNOS feedback circuitry identifies early cardiovascular precursors in naïve mouse embryonic stem cells. <i>Nat Commun</i> . 2018 Mar 29;9(1):1281. (* Cencioni C and Spallotta F co-first authors)	11.878 (9)	Original article
8	2018	Spallotta F , Cencioni C, Atlante S, Garella D, Cocco M, Mori M, Mastrocola R, Kunne C, Günther S, Nanni S, Azzimato V, Zukunft S, Kornberger A, Sueruen D, Schnutgen F, von Melchner H, Di Stilo A, Aragno M, Braspenning M, Van Criekeing W, De Blasio MJ, Ritchie RH, Zaccagnini G, Martelli F, Farsetti A, Fleming I, Braun T, Beiras-Fernandez A, Botta B, Collino M, Bertinaria M, Zeiher AM, Gaetano C. Stable oxidative cytosine modifications accumulate in cardiac mesenchymal cells from Type2 diabetes patients: rescue by alpha-ketoglutarate and TET-TDG functional reactivation. <i>Circ Res</i> . 2018 Jan 5;122(1):31-46. First Author and co-corresponding authors.	15.862 (24)	Original article

N	Year	Publication title, authors and refernce data	IF (N° cit)	Type
9	2017	Heid J, Cencioni C, Ripa R, Baumgart M, Atlante S, Milano G, Scopece A, Kuenne C, Guenther S, Farsetti A, Rossi G, Braun T, Pompilio G, Martelli F, Zeiher AM, Cellerino A, Gaetano C, Spallotta F . Age-dependent oxidative stress increase regulates microRNA-29 family preserving cardiac health. <i>Sci Rep</i> Dec 4;7(1):16839. Last Author and corresponding author.	4.122 (32)	Original article
10	2016	Valente S, Mellini P, Spallotta F , Carafa V, Nebbioso A, Polletta L, Carnevale I, Saladini S, Trisciuglio D, Gabellini C, Tardugno M, Zwergel C, Cencioni C, Atlante S, Moniot S, Steegborn C, Budriesi R, Tafani M, Del Bufalo D, Altucci L, Gaetano C, Mai A. 1,4-Dihydropyridines Active on the SIRT1/AMPK Pathway Ameliorate Skin Repair and Mitochondrial Function and Exhibit Inhibition of Proliferation in Cancer Cells. <i>J Med Chem</i> . 2016 Feb 25;59(4):1471-91.	6.259 (34)	Original article
11	2014	Vecellio M*, Spallotta F* , Nanni S*, Colussi C, Cencioni C, Derlet A, Bassetti B, Tilenni M, Carena MC, Farsetti A, Sbardella G, Castellano S, Mai A, Martelli F, Pompilio G, Capogrossi MC, Rossini A, Dimmeler S, Zeiher AM, Gaetano C. The histone acetylase activator pentadecylidenemalonate 1b rescues proliferation and differentiation in the human cardiac mesenchymal cells of type 2 diabetic patients. <i>Diabetes</i> . 2014 Jun;63(6):2132-47. (* Vecellio M, Spallotta F, Nanni S co-first authors).	8.095 (50)	Original article
12	2013	Spallotta F , Tardivo S, Nanni S, Rosati JD, Straino S, Mai A, Vecellio M, Valente S, Capogrossi MC, Farsetti A, Martone J, Bozzoni I, Pontecorvi A, Gaetano C, Colussi C. Detrimental effect of class-selective histone deacetylase inhibitors during tissue regeneration following hindlimb ischemia. <i>J Biol Chem</i> . 2013 Aug 9;288(32):22915-29. First Author.	4.600 (27)	Original article
13	2013	Spallotta F , Cencioni C, Straino S, Nanni S, Rosati J, Artuso S, Manni I, Colussi C, Piaggio G, Martelli F, Valente S, Mai A, Capogrossi MC, Farsetti A, Gaetano C. A nitric oxide-dependent cross-talk between class I and III histone deacetylases accelerates skin repair. <i>J Biol Chem</i> . 2013 Apr 19;288(16):11004-12. First Author.	4.600 (47)	Original article
14	2011	Rosati J*, Spallotta F* , Nanni S, Grasselli A, Antonini A, Vincenti S, Presutti C, Colussi C, D'Angelo C, Biroccio A, Farsetti A, Capogrossi MC, Illi B, Gaetano C. Smad-Interacting Protein-1 and MicroRNA 200 Family Define a Nitric Oxide-Dependent Molecular Circuitry Involved in Embryonic Stem Cell Mesendoderm Differentiation. <i>Arterioscler Thromb Vasc Biol</i> . 2011 Apr;31(4):898-907. (* Rosati J and Spallotta F co-first authors).	6.368 (24)	Original article
15	2011	Colussi C, Rosati J, Straino S, Spallotta F , Berni R, Stilli D, Rossi S, Musso E, Macchi E, Mai A, Sbardella G, Castellano S, Chimenti C, Frustaci A, Nebbioso A, Altucci L, Capogrossi MC, Gaetano C. Nε-lysine acetylation determines dissociation from GAP junctions and lateralization of connexin 43 in normal and dystrophic heart. <i>Proc Natl Acad Sci U S A</i> . 2011 Feb 15;108(7):2795-800.	9.681 (79)	Original article

Part XII– Other Publications

- Illi B, Russo CD, Colussi C, Rosati J, Pallaoro M, **Spallotta F**, Rotili D, Valente S, Ragone G, Martelli F, Biglioli P, Steinkhuler C, Gallinari P, Mai A, Capogrossi MC, Gaetano C. Nitric Oxide Modulates Chromatin Folding in Human Endothelial Cells via PP2A Activation and Class II HDACs Nuclear Shuttling. *Circ Res*. 2008 Jan 4;102(1):51-8.
- De Falco E, Avitabile D, Totta P, Straino S, **Spallotta F**, Cencioni C, Torella A.R, Rizzi R, Porcelli D, Zacheo A, Di Vito L, Pompilio G, Napolitano M, Melillo G, Capogrossi M.C, Pesce M. Altered SDF-1

mediated differentiation of bone marrow-1 derived endothelial progenitor cells in diabetes mellitus. *J Cell Mol Med* (2009) September, 13 (9B): 3405-3414

- Colussi C, Banfi C, Brioschi M, Tremoli E, Straino S, **Spallotta F**, Mai A, Rotili D, Capogrossi MC, Gaetano C. Proteomic profile of differentially expressed plasma proteins from dystrophic mice and following suberoylanilide hydroxamic acid treatment. *Proteomics Clin Appl*. 2010 Jan;4(1):71-83.
- **Spallotta F**, Rosati J, Straino S, Nanni S, Grasselli A, Ambrosino V, Rotili D, Valente S, Farsetti A, Mai A, Capogrossi MC, Gaetano C, Illi B. Nitric oxide determines mesodermic differentiation of mouse embryonic stem cells by activating class IIa histone deacetylases: potential therapeutic implications in a mouse model of hindlimb ischemia. *Stem Cells*. 2010 Mar 31;28(3):431-42. **First Author**.
- Colussi C, Berni R, Rosati J, Straino S, Vitale S, **Spallotta F**, Baruffi S, Bocchi L, Delucchi F, Rossi S, Savi M, Rotili D, Quaini F, Macchi E, Stilli D, Musso E, Mai A, Gaetano C, Capogrossi MC. The histone deacetylase inhibitor suberoylanilide hydroxamic acid reduces cardiac arrhythmias in dystrophic mice. *Cardiovasc Res*. 2010 Jul 1;87(1):73-82.
- Colussi C, Illi B, Rosati J, **Spallotta F**, Farsetti A, Grasselli A, Mai A, Capogrossi MC, Gaetano C. Histone deacetylase inhibitors: keeping momentum for neuromuscular and cardiovascular diseases treatment. *Pharmacol Res*. 2010 Jul;62(1):3-10.
- Illi B, Colussi C, Rosati J, **Spallotta F**, Nanni S, Farsetti A, Capogrossi MC, Gaetano C. NO Points to Epigenetics in Vascular Development. *Cardiovasc Res*. 2011 Jun 1;90(3):447-56.
- Colussi C, Scopece A, Vitale S, **Spallotta F**, Mattiussi S, Rosati J, Illi B, Mai A, Castellano S, Sbardella G, Farsetti A, Capogrossi MC, Gaetano C. P300/CBP associated factor regulates nitroglycerin-dependent arterial relaxation by N(ϵ)-lysine acetylation of contractile proteins. *Arterioscler Thromb Vasc Biol*. 2012 Oct;32(10):2435-43.
- Cencioni C, **Spallotta F**, Martelli F, Valente S, Mai A, Zeiher AM, Gaetano C. Oxidative stress and epigenetic regulation in ageing and age-related diseases. *Int J Mol Sci*. 2013 Aug 28;14(9):17643-63.
- **Spallotta F**, Cencioni C, Straino S, Sbardella G, Castellano S, Capogrossi MC, Martelli F, Gaetano C. Enhancement of lysine acetylation accelerates wound repair. *Commun Integr Biol*. 2013 Sep 1;6(5):e25466.
- Cencioni C, **Spallotta F**, Greco S, Martelli F, Zeiher AM, Gaetano C. Epigenetic mechanisms of hyperglycemic memory. *Int J Biochem Cell Biol*. 2014 Jun;51:155-8.
- Borretto E, Lazzarato L, **Spallotta F**, Cencioni C, D'Alessandra Y, Gaetano C, Fruttero R, Gasco A. Synthesis and Biological Evaluation of the First Example of NO-Donor Histone Deacetylase Inhibitor. *ACS Med Chem Lett*. 2013 Sep 4;4(10):994-9.
- Baumgart M, Groth M, Priebe S, Savino A, Testa G, Dix A, Ripa R, **Spallotta F**, Gaetano C, Ori M, Terzibaszi Tozzini E, Guthke R, Platzer M, Cellerino A. RNA-seq of the aging brain in the short-lived fish *N. furzeri* - conserved pathways and novel genes associated with neurogenesis. *Aging Cell*. 2014 Dec;13(6):965-74.
- Liu Z, Li W, Ma X, Ding N, **Spallotta F**, Southon E, Tessarollo L, Gaetano C, Mukoyama YS, Thiele CJ. Essential role of the zinc finger transcription factor Casz1 for mammalian cardiac morphogenesis and development. *J Biol Chem*. 2014 Oct 24;289(43):29801-16.
- Cencioni C, **Spallotta F**, Mai A, Martelli F, Farsetti A, Zeiher AM, Gaetano C. Sirtuin function in aging heart and vessels. *J Mol Cell Cardiol*. 2015 Jun;83:55-61.
- Re A, Nanni S, Aiello A, Granata S, Colussi C, Campostrini G, **Spallotta F**, Mattiussi S, D'Angelo C, Biroccio A, Rossini A, Barbuti A, DiFrancesco D, Trimarchi F, Pontecorvi A, Gaetano C, and Farsetti A. Anacardic acid and thyroid hormone enhance cardiomyocytes production from undifferentiated mouse ES cells along functionally distinct pathways. *Endocrine*. 2016 Sep;53(3):681-8.
- Garella D, Atlante S, Borretto E, Cocco M, Giorgis M, Costale A, Di Stilo A, Miglio G, Cencioni C, Gortari EF, Medina-Franco JL, **Spallotta F**, Gaetano C, Bertinaria M. Chemical modulation of NSC137546 scaffold toward improved inhibitors of DNA methylation. *Chem Biol Drug Des*. 2016 Nov;88(5):664-676.
- Cencioni C, Atlante S, Savoia M, Martelli F, Farsetti A, Capogrossi MC, Zeiher AM, Gaetano C, **Spallotta F**. The double life of cardiac mesenchymal cells: epimetabolic sensors and therapeutic assets for heart regeneration. *Pharmacol Ther*. 2017 Mar;171:43-55.
- Cencioni C, **Spallotta F**, Farsetti A, Zeiher AM, Gaetano C. Deciphering Histone Code Enigmas Sheds New Light on Cardiac Regeneration. *Circ Res*. 2017 Apr 28;120(9):1370-1372.

- Cencioni C, **Spallotta F**, Gaetano C. Dark site of the deep heart. *Circ Cardiovasc Genet*. 2017 Jun;10(3). pii: e001812
- Atlante S, Chegaev K, Cencioni C, Guglielmo S, Marini E, Borretto E, Gaetano C, Fruttero R, **Spallotta F***, Lazzarato L*. (* Spallotta F co-last authors (Lazzarato L) and corresponding author). Structural and biological characterization of new hybrid drugs joining an HDAC inhibitor to different NO donors. *Eur J Med Chem* 2017 Dec 5;144:612-625.
- Cencioni C, Gaetano C, **Spallotta F**. Dissecting cytosine methylation mechanics of dysmetabolism. *Aging (Albany NY)*. 2019 Jan 23;11(3):837-838.
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Il sottoscritto, infine, esprime il proprio consenso affinché i dati personali forniti possano essere trattati, nel rispetto del Regolamento Generale sulla Protezione dei Dati (UE) 2016/679, per gli adempimenti connessi alla presente procedura.

Luogo e Data, Roma 27/09/2021

Firma

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