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Decreto Rettore Università di Roma “La Sapienza” n. 1336/2024 del 13.06.2024

LUCIA MONACO

Curriculum Vitae

Part I – General Information

Full Name	Lucia Monaco
Position	Researcher, Sapienza University, Dept. Human Physiology & Pharmacology

Part II – Education

Type	Year	Institution	Notes
Licensure	1976	Liceo B. Croce, Roma	
University graduation	1981	Sapienza University of Rome, Institute of Histology & General Embyology	Studies on reproductive biology, lab Dr. M. Galdieri
Pre-doctorate training	1981-84	Sapienza University of Rome, Institute of Histology & General Embyology	Studies on reproductive biology, lab Dr. M. Galdieri
Post-graduate studies, PhD course	1984-1988	Sapienza University of Rome, Institute of Histology & General Embyology	Studies on reproductive biology, lab Dr. M. Conti
PhD graduation	July 1988	Sapienza University of Rome, Institute of Histology & General Embyology	Studies on reproductive biology, lab Dr. M. Conti
Post doc	1988	University of Chapel Hill (NC, USA)	Laboratories for Reproductive Biologies,
Post doc	1988-1991	NIH (Bethesda, USA)	Studies on G protein modulation, lab Dr..Moss, NIHBLB
Post doc	1991-93	Sapienza University of Rome, Institute of Histology & General Embyology	Studies on reproductive biology, lab Dr. M. Conti
Visiting researcher	1994-1997; 2001-2003	IGBMC, Strasbourg, France	Molecular and physiological studies on gonads, lab Dr. P. Sassone-Corsi

Part III – Academic Appointments

Start	End	Institution	Position
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1991	2024	Sapienza University of Rome	Researcher
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Part IV – Teaching experience

Years	Institution	Lecture/Course
1994-1996	Sapienza University of Rome	Molecular Pathology/Technician degree
1996-2000	Sapienza University of Rome	Biophysic/Technician in neurophysiopathology
1997-2002	Sapienza University of Rome	Biophysic/Residency in Oncology
1997-1998	Sapienza University of Rome	Endocrinology/Technician Nursing sciences
1999-2010	Sapienza University of Rome	Physiology/Technician in neurophysiopathology
2004-2009	Sapienza University of Rome	Physiology/Residency in Cardiology
2006-2010	Sapienza University of Rome	Physiology/Residency in Pharmacology
2010-2011	Sapienza University of Rome	Physiology/residency in Radiology
2010-2016	Sapienza University of Rome	Physiology/Biomedical Communication
2001-2024	Sapienza University of Rome	Human physiology/Medical School
2018-2024	Sapienza University of Rome	Physiology/Technician biomedical laboratory

Part V - Society memberships, Awards and Honors

1988: Public Health Service fellowship (NIH, Bethesda, USA)
 1991: Fondazione A. Villa Rusconi fellowship (Italia)
 1993: CNR NATO senior fellowship (Strasbourg, France)
 1994: EMBO short term fellowship (Strasbourg, France)
 1997: Fondation Recherche Medicale fellowship (Strasbourg, France)

Part VI - Funding Information: grants as PI

Year	Title	Program	
2000 2001 2002	Generation of mutant mice deficient for Che-1, a novel protein that links retinoblastoma protein to the core of RNA polymerase	Cenci Bolognetti	
2009 2010	PDE inhibitors as possible pharmacological therapy for muscular dystrophy	AFM (Association Francaise contre les Myopathies)	
1994	Regolazione dei fattori di trascrizione nelle cellule germinali di mammifero	Sapienza progetti Ateneo	
1997	Meccanismi di regolazione della trascrizione nella gonade maschile	Sapienza progetti Ateneo	
1998	Modulazione di fattori di trascrizione da parte dell'ormone FSH	Sapienza progetti Ateneo	
1999	Topi mutanti privi del recettore dell'FSH come modello animale per lo studio di alcune forme di infertilità	Sapienza progetti Ateneo	

2000	Studio dell'obesità in topi con alterata funzione riproduttiva	Sapienza progetti Ateneo	
2001	Generazione di topi geneticamente modificati e privi di Chel, un modulatore della proteina retinoblastoma	Sapienza progetti Ateneo	
2009	Funzione di microRNA nelle patologie muscolari	Sapienza progetti Ateneo	
2010	Ruolo del sildenafil nella distrofia muscolare	Sapienza progetti Ateneo	
2013	Phosphodiesterase inhibition as therapeutic strategy for muscular dystrophy	Sapienza progetti Ateneo C26A135NE2	
2020	Ruolo della PDE5A nelle complicanze muscolari della patologia diabetica	Sapienza progetti Ateneo RP12017A796BA45	

Part VIa Grants as Co-PI and Participant

- PRIN n. 2008RFNT8T_004: Ruolo dei microRNA nelle distrofopatie (2008-9)
- Progetto FARI n. C26I108RP9, "Creazione di un prototipo di biosensore per la determinazione di sostanze dopanti presenti nei liquidi biologici" (2008)
- Progetto INAIL- Malattie professionali e infortuni, "Effetti dei campi elettromagnetici sulla salute umana: modelli sperimentali in vitro" (2011-12)
- Progetto FIRB n. RBAP109BLT "Il sistema delle fosfodiesterasi come bersaglio fisiopatologico nell'ipertrofia cardiaca: studio molecolare e funzionale sugli adattamenti neuro-endocrini nel cardiomiocita (2010-2012)
- Progetto Telethon "Innovative therapeutic strategy for Duchenne Muscular Dystrophy by AAV mediated delivery of artificial transcription factor genes" (2014)
- Progetto PRIN n. 2017-RS5M44 (2017): Actlife: is active life style enough for health and will be controlling cancer cell lipid-storing phenotype (# RG11715C5EE3E9D3, 2017)
- The excitation/inhibition unbalance as common hallmark and potential therapeutic target for neurodevelopmental diseases known as mTORopathies." (#RG12117A8697DCF1, 2021)
Blocking Immune Cell Infiltration of the Central Nervous System to Tame Neuroinflammation in Amyotrophic Lateral Sclerosis" (#RM122181618AF923, 2022)

Part VII – Research Activities

Keywords	Brief Description
FSH PDE Cyclic nucleotides Muscular dystrophy micrRNA	Main topics of the research activity <ul style="list-style-type: none"> • Reproductive physiology: functional studies of reproductive physiology using genetically modified animal models • Functional implications of epigenetic alterations • Muscle pathophysiology: analysis of pharmacological treatments and role of

	<ul style="list-style-type: none"> microRNAs in dystrophinopathies • Signaling pathways modulated by radiation and ncRNA in glioblastoma cells • Role of phosphodiesterases in skeletal and cardiac muscle pathophysiology
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Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
International papers with	74	Scopus; Orcid n.0000-0002-1986-1711	1983	2024
Chapters/ Meeting proceeding	17		1983	2012

Total Impact factor (JCR/WOS)	400,582
Total Citations (Scopus)	4573
Average Citations per Product	61,797
Hirsch (H) index (Scopus)	32
Normalized H index*	0,967

*H index divided by the academic seniority

Part IX– Selected Publications for the current evaluation to PA upgrade

1. Cardarelli S, Biglietto M, Orsini T, Fustaino V, Monaco L, de Oliveira do Rêgo AG, Liccardo F, Masciarelli S, Fazi F, Naro F, De Angelis L, Pellegrini M (2024). Modulation of cAMP/cGMP signaling as prevention of congenital heart defects in Pde2A deficient embryos: a matter of oxidative stress. *Cell Death Dis.* 15:169. doi: 10.1038/s41419-024-06549-1 (IF:8.1, citations/scopus:0).
2. D'Andrea T, Benedetti MC, Monaco L, Rosa A, Fucile S (2024). Selective Reduction of Ca²⁺ Entry Through the Human NMDA Receptor: a Quantitative Study by Simultaneous Ca²⁺ and Na⁺ Imaging. *Mol Neurobiol.* Jan 19. doi: 10.1007/s12035-024-03944-9 (IF:4.6; citations/scopus:0).
3. Di Palma M, Catalano M, Serpe C, De Luca M, Monaco L, Kunzelmann K, Limatola C, Conti F, Fattorini G (2023). Lipopolysaccharide augments microglial GABA uptake by increasing GABA transporter-1 trafficking and bestrophin-1 expression. *Glia.* 71: 2527-2540. doi: 10.1002/glia.24437 (IF:5.4; citations/scopus:1).
4. De Arcangelis V, De Angelis L, Barbagallo F, Campolo F, de Oliveira do Rego AG, Pellegrini M, Naro F, Giorgi M, Monaco L (2022). Phosphodiesterase 5a Signalling in Skeletal Muscle Pathophysiology. *Int J Mol Sci.* 24:703. doi: 10.3390/ijms24010703 (IF:5.6; citations/scopus 1).
5. Moro T, Monaco L, Naro F, Reggiani C, Paoli A (2022). Exercise Intensity and Rest Intervals Effects on Intracellular Signals and Anabolic Response of Skeletal Muscle to Resistance Training. *J. Strength and Conditioning Research.* Online Jan 5, doi: 10.1519/JSC.0000000000004209 (IF:3.2; citations/scopus: 0).
6. Serpe C, Michelucci A, Monaco L, Rinaldi A, De Luca M, Familiari P, Relucenti M, Di Pietro E, Di Castro MA, D'Agnano I, Catacuzzeno L, Limatola C, Catalano M (2022). Astrocytes-Derived Small Extracellular Vesicles Hinder Glioma Growth. *Biomedicines* 10:2952. doi: 10.3390/biomedicines10112952 (IF:4.7; citations/scopus:6).
7. Serpe C, Monaco L, Relucenti M, Iovino L, Familiari P, Scavizzi F, Raspa M, Familiari G, Civiero L, D'Agnano I, Limatola C, Catalano M (2021). Microglia-Derived Small Extracellular

- Vesicles Reduce Glioma Growth by Modifying Tumor Cell Metabolism and Enhancing Glutamate Clearance through miR-124. *Cells* 10, 2066. doi:10.3390/cells10082066 (IF:7.666; citations/scopus:29).
8. Lauro C, Chece G, Monaco L, Antonangeli F, Peruzzi G, Rinaldo S, Paone A, Cutruzzolà F, Limatola C (2019). Fractalkine Modulates Microglia Metabolism in Brain Ischemia. *Front Cell Neurosci.* 13:414. doi: 10.3389/fncel.2019.00414 (IF:3.921; citations/scopus:52).
 9. Naro F, Venturelli M, Monaco L, Toniolo L, Muti E, Milanese C, Zhao J, Richardson RS, Schena F, Reggiani C (2019). Skeletal Muscle Fiber Size and Gene Expression in the Oldest-Old With Differing Degrees of Mobility. *Front Physiol.* 10:313. doi: 10.3389/fphys.2019.00313 (IF:3.367; citations:20).
 10. D'Alessandro G, Quaglio D, Monaco L, Lauro C, Ghirga F, Ingallina C, De Martino M, Fucile S, Porzia A, Di Castro MA, Bellato F, Mastrotto F, Mori M, Infante P, Turano P, Salmaso S, Caliceti P, Di Marcotullio L, Botta B, Ghini V, Limatola C (2019). 1H-NMR metabolomics reveals the Glabrescione B exacerbation of glycolytic metabolism beside the cell growth inhibitory effect in glioma. *Cell Commun Signal.* 17:108. doi: 10.1186/s12964-019-0421-8 (IF:4.344; citations:30).
 11. D'Alessandro G, Monaco L, Catacuzzeno L, Antonangeli F, Santoro A, Esposito V, Franciolini F, Wulff H, Limatola C (2019). Radiation Increases Functional KCa3.1 Expression and Invasiveness in Glioblastoma. *Cancers* 11(3). pii: E279. doi: 10.3390/cancers11030279 (IF:6.126; citations/scopus:17).

Part IXa List of all publications

- A) Publications on international peer-reviewed journals (Impact factor [IF]: database JCR/Clarivate 1997/2023; citations number: database Scopus)
1. Cardarelli S, Biglietto M, Orsini T, Fustaino V, Monaco L, de Oliveira do Rêgo AG, Liccardo F, Masciarelli S, Fazi F, Naro F, De Angelis L, Pellegrini M (2024). Modulation of cAMP/cGMP signaling as prevention of congenital heart defects in Pde2A deficient embryos: a matter of oxidative stress. *Cell Death Dis.* 15:169. doi: 10.1038/s41419-024-06549-1 (IF 2023: 8.1; citations 0).
 2. D'Andrea T, Benedetti MC, Monaco L, Rosa A, Fucile S (2024). Selective Reduction of Ca²⁺ Entry Through the Human NMDA Receptor: a Quantitative Study by Simultaneous Ca²⁺ and Na⁺ Imaging. *Mol Neurobiol.* Jan 19. doi: 10.1007/s12035-024-03944-9 (IF 2023: 4.6; citations 0).
 3. Di Palma M, Catalano M, Serpe C, De Luca M, Monaco L, Kunzelmann K, Limatola C, Conti F, Fattorini G (2023). Lipopolysaccharide augments microglial GABA uptake by increasing GABA transporter-1 trafficking and bestrophin-1 expression. *Glia.* 71: 2527-2540. doi: 10.1002/glia.24437 (IF 2023: 5.4; citations 1).
 4. De Arcangelis V, De Angelis L, Barbagallo F, Campolo F, de Oliveira do Rego AG, Pellegrini M, Naro F, Giorgi M, Monaco L (2022). Phosphodiesterase 5a Signalling in Skeletal Muscle Pathophysiology. *Int J Mol Sci.* 24:703. doi: 10.3390/ijms24010703 (IF 2022: 5.6; citations 1).
 5. Moro T, Monaco L, Naro F, Reggiani C, Paoli A (2022). Exercise Intensity and Rest Intervals Effects on Intracellular Signals and Anabolic Response of Skeletal Muscle to Resistance Training. *J. Strength and Conditioning Research.* Jan 5, doi: 10.1519/JSC.0000000000004209 (IF 2022: 3.2; citations 0).
 6. Serpe C, Michelucci A, Monaco L, Rinaldi A, De Luca M, Familiari P, Relucenti M, Di Pietro E, Di Castro MA, D'Agnano I, Catacuzzeno L, Limatola C, Catalano M (2022). Astrocytes-Derived Small Extracellular Vesicles Hinder Glioma

- Growth. *Biomedicines* 10:2952. doi: 10.3390/biomedicines10112952 (IF 2022: 4.7; citations 6).
7. Serpe C, Monaco L, Relucenti M, Iovino L, Familiari P, Scavizzi F, Raspa M, Familiari G, Civiero L, D'Agnano I, Limatola C, Catalano M (2021). Microglia-Derived Small Extracellular Vesicles Reduce Glioma Growth by Modifying Tumor Cell Metabolism and Enhancing Glutamate Clearance through miR-124. *Cells* 10, 2066. doi:10.3390/cells10082066 (IF 2021: 7.666; citations 29).
 8. Lauro C, Chece G, Monaco L, Antonangeli F, Peruzzi G, Rinaldo S, Paone A, Cutruzzolà F, Limatola C (2019). Fractalkine Modulates Microglia Metabolism in Brain Ischemia. *Front Cell Neurosci.* 13:414. doi: 10.3389/fncel.2019.00414 (IF 2019: 3.921; citations 52).
 9. Naro F, Venturelli M, Monaco L, Toniolo L, Muti E, Milanese C, Zhao J, Richardson RS, Schena F, Reggiani C (2019). Skeletal Muscle Fiber Size and Gene Expression in the Oldest-Old With Differing Degrees of Mobility. *Front Physiol.* 10:313. doi: 10.3389/fphys.2019.00313 (IF 2019: 3.367; citations 20).
 10. D'Alessandro G, Quaglio D, Monaco L, Lauro C, Ghirga F, Ingallina C, De Martino M, Fucile S, Porzia A, Di Castro MA, Bellato F, Mastrotto F, Mori M, Infante P, Turano P, Salmaso S, Caliceti P, Di Marcotullio L, Botta B, Ghini V, Limatola C (2019). 1H-NMR metabolomics reveals the Glabrescione B exacerbation of glycolytic metabolism beside the cell growth inhibitory effect in glioma. *Cell Commun Signal.* 17:108. doi: 10.1186/s12964-019-0421-8 (IF 2019: 4.344; citations 30).
 11. D'Alessandro G, Monaco L, Catacuzzeno L, Antonangeli F, Santoro A, Esposito V, Franciolini F, Wulff H, Limatola C (2019). Radiation Increases Functional KCa3.1 Expression and Invasiveness in Glioblastoma. *Cancers* 11(3). pii: E279. doi: 10.3390/cancers11030279 (IF 2019: 6.126; citations 17).
 12. Vestri A, Pierucci F, Frati A, Monaco L, Meacci E (2017). Sphingosine 1-Phosphate Receptors: Do They Have a Therapeutic Potential in Cardiac Fibrosis? *Front. Pharmacol.* 8:296. doi: 10.3389/fphar.2017.00296 (IF 2017: 3.831; citations 38).
 13. Campolo F, Zevini A, Cardarelli S, Monaco L, Barbagallo F, Pellegrini M, Cornacchione M, Di Grazia A, De Arcangelis V, Gianfrilli D, Giorgi M, Lenzi A, Isidori AM, Naro F (2017). Identification of Murine Phosphodiesterase 5A Isoforms and their Functional Characterization in HL-1 Cardiac Cell Line. *J Cell Physiol.* 233: 325-337. doi:10.1002/jcp.25880 (IF 2017: 3.923; citations 21).
 14. Morgan RG, Venturelli M, Gross C, Tarperi C, Schena F, Reggiani C, Naro F, Pedrinolla A., Monaco L, Richardson RS, Donato AJ (2017). Age-Associated ALU Element Instability in White Blood Cells Is Linked to Lower Survival in Elderly Adults: A Preliminary Cohort Study. *PLoS One* 12:e0169628. doi:10.1371/journal.pone.0169628 (IF 2017: 2.776; citations 5) .
 15. Gabanella F, Pisani C, Borreca A, Farioli-Vecchioli S, Ciotti MT, Ingegnere T, Onori A, Ammassari-Teule M, Corbi N, Canu N, Monaco L, Passananti C, Di Certo MG (2016). SMN affects membrane remodelling and anchoring of the protein synthesis machinery. *J Cell Sci.* 129: 804-16. doi: 10.1242/jcs.176750 (IF 2016: 4.431; citations 26).
 16. De Arcangelis V, Strimpakos G, Gabanella F, Corbi N, Luvisetto S, Magrelli A, Onori A, Passananti C, Pisani C, Rome S, Severini C, Naro F, Mattei E, Di Certo MG, Monaco L (2016). Pathways implicated in tadalafil amelioration of Duchenne Muscular Dystrophy. *J Cell Physiol.* 231: 224-32. doi: 10.1002/jcp.25075 (IF 2016: 4.080; citations 24).
 17. Isidori AM, Cornacchione M, Barbagallo F, Di Grazia A, Barrios F, Fassina L, Monaco L, Giannetta E, Gianfrilli D, Garofalo S, Zhang X, Chen X, Xiang YK, Lenzi A, Pellegrini M, Naro F (2015). Inhibition of type 5 phosphodiesterase counteracts b2-Adrenergic signaling in beating cardiomyocytes. *Cardiovasc Res.* 106: 408-20. doi: 10.1093/cvr/cvv123 (IF 2015: 5.465; citations 36).
 18. Rosito M, Lauro C, Chece G, Porzia A, Monaco L, Mainiero F, Catalano M, Limatola C, Trettel F (2014). Trasmembrane chemokines CX3CL1 and CXCL16 drive interplay between

- neurons, microglia and astrocytes to counteract pMCAO and excitotoxic neuronal death. *Front Cell Neurosci.* 8:193. doi: 10.3389/fncel.2014.00193 (IF 2014: 4.289; citations 47).
19. Strimpakos G, Corbi N, Pisani C, Certo MG, Onori A, Luvisetto S, Severini C, Gabanella F, Monaco L, Mattei E, Passananti C (2014). Novel Adeno-Associated Viral Vector Delivering the Utrophin Gene Regulator Jazz Counteracts Dystrophic Pathology in mdx Mice. *J Cell Physiol.* 229:1283-91. doi: 10.1002/jcp.24567 (IF 2014: 3.839; citations 26).
 20. Onori A, Pisani C, Strimpakos G, Monaco L, Mattei E, Passananti C, Corbi N (2013). UtroUp is a novel six zinc finger artificial transcription factor that recognises 18 base pairs of the utrophin promoter and efficiently drives utrophin upregulation. *BMC Mol Biol* 14:3. doi: 10.1186/1471-2199-14-3 (IF 2013: 2.057; citations 13).
 21. Serra F, Quarta M, Canato M, Toniolo L, De Arcangelis V, Trotta A, Spath L, Monaco L, Reggiani C, Naro F (2012). Inflammation in muscular dystrophy and the beneficial effects of non-steroidal anti-inflammatory drugs. *Muscle Nerve* 46:773-84. doi: 10.1002/mus.23432 (IF 2012: 2.314; citations 38).
 22. Fassina L, Di Grazia A, Naro F, Monaco L, Cusella De Angelis MG, Magenes G (2011). Video evaluation of kinematics and dynamics of the beating cardiac syncytium: an alternative to the Langendorff's method. *Int. J. Artificial Organs* 34: 546-58. doi: 10.5301/IJAO.2011.8510 (IF 2011: 1.861; citations 31).
 23. De Arcangelis V, Serra F, Cogoni C, Vivarelli E, Monaco M, Naro F (2010). β 1-syntrophin modulation by miR-222 in mdx mice. *PLoS ONE* 5: 12098. doi: 10.1371/journal.pone (IF 2010: 4.411; citations 17).
 24. Kimmings S, Crosio C, Kataja N, Hirayama J, Monaco L, Hoog C, van Duin M, Gossen JA, Sassone-Corsi P (2007). Differential functions of the Aurora-B and Aurora-C kinases in mammalian spermatogenesis. *Mol Endocrinol* 21: 726. doi: 10.1210/me.2006-0332 (IF 2007: 5.337; citations 134).
 25. Dantzer F, Mark M, Quenet D, Scherthan H, Huber A, Liebe B, Monaco L, Chicheportiche A, Sassone-Corsi P, de Murcia G, Ménissier-de Murcia J (2006). Poly(ADP-ribose) polymerase-2 contributes to the fidelity of male meiosis I and spermiogenesis. *Proc Natl Acad Sci USA* 103:14854. doi: 10.1073/pnas.0604252103 (IF 2006: 9.64; citations 98).
 26. Ruiz-cortex ZT, Kimmings S, Monaco L, Burns KH, Sassone-Corsi P, Murphy BD (2005). Estrogen mediates phosphorylation of histone H3 in ovarian follicle and mammary epithelial tumor cells via the mitotic kinase, Aurora B. *Mol Endocrinol* 19: 2991. doi: 10.1210/me.2004-0441 (IF 2005: 5.807; citations 29).
 27. Monaco L, Kolthur-Seetharan U, Loury R, Ménissier-de Murcia J, de Murcia G, Sassone-Corsi P (2005). Inhibition of Aurora-B kinase activity by poly(ADP-ribosylation) in response to DNA damage. *Proc Natl Acad Sci USA* 102: 14244. doi: 10.1073/pnas.0506252102 (IF 2005: 10.231; citations 73)
 28. Kimmings S, Kotaja N, Fienga G, Kolthur US, Brancorsini S, Hogeveen K, Monaco L, Sassone-Corsi P (2004). A specific programme of gene transcription in male germ cells. *Reprod Biomed Online* 8:496-500. doi: 10.1016/s1472-6483(10)61094-2 (IF 2006: 3.206, citations 23).
 29. Monaco L, Kotaja N, Fienga G, Hogeveen K, Kolthur US, Kimmings S, Brancorsini S, Macho B, Sassone-Corsi P (2004). Specialized rules of gene transcription in male germ cells: the CREM paradigm. *Int J Androl.* 27: 322. doi: 10.1111/j.1365-2605.2004.00494.x (IF 2004: 1.941; citations 25).
 30. Kotaja N, De Cesare D, Macho B, Monaco L, Brancorsini S, Goossens E, Tournaye H, Gansmuller A, Sassone-Corsi P (2004). Abnormal sperm in mice with targeted deletion of the act (activator of cAMP-responsive element modulator in testis) gene. *Proc Natl Acad Sci USA* 101: 10620. doi: 10.1073/pnas.0401947101 (IF 2004: 10.452; citations 74).
 31. Yanagimachi R, Wakayama T, Kishikawa H, Fimia GM, Monaco L, Sassone-Corsi P. (2004). Production of fertile offspring from genetically infertile male mice. *Proc Natl Acad Sci USA*

- 101: 1691. doi: 10.1073/pnas.0307832100 (IF 2004: 10.452 citations 46).
32. Monaco L, Passananti C, Fanciulli M (2003). Genomic structure and transcriptional regulation of Che-1, a novel partner of Rb. *Gene* 321: 57. doi: 10.1016/s0378-1119(03)00834-5 (IF 2003: 2.754 citations 127).
33. Pointud JC, Mengus G, Brancorsini S, Monaco L, Parvinen M, Sassone-Corsi P, Davidson I (2003). The intracellular localisation of TAF7L, a parologue of transcription factor TFIID subunit TAF7, is developmentally regulated during male germ-cell differentiation. *J Cell Sci.* 116: 1847. doi: 10.1242/jcs.00391 (IF 2003: 7.25 citations; 107).
34. Vyas S, Biguet NF, Michel PP, Monaco L, Foulkes NS, Evan GI, Sassone-Corsi P, Agid Y (2002). Molecular mechanisms of neuronal cell death: implications for nuclear factors responding to cAMP and phorbol esters. *Mol Cell Neurosci.* 21: 1. doi: 10.1006/mcne.2002.1170 (IF 2002: 4.519; citations 17).
35. Cermakian N, Monaco L, Pando MP, Dierich A, Sassone-Corsi P (2001). Altered behavioral rhythms and clock gene expression in mice with a targeted mutation in the Period1 gene. *EMBO J.* 20: 3967. doi: 10.1093/emboj/20.15.3967 (IF 2001: 12.459; citations 214).
36. Sassone-Corsi P, Mizzen CM, Cheung P, Crosio C, Monaco L, Jacquot S, Hanauer A, Allis CD (1999). Requirement of Rsk-2 for Epidermal Growth Factor-activated phosphorylation of Histone H3. *Science* 285: 886. doi: 10.1126/science.285.5429.886 (IF 1999: 24.595 citations 493).
37. Mizzen CM, Kuo MH, Smith E, Brownell J, Zhou J, Ohba R, Wei Y, Monaco L, Sassone-Corsi P, Allis CD (1998). Signaling to chromatin through histone modification: how clear is the signal? *Cold Spring Harb Symp Quant Biol.* 63: 469. doi: 10.1101/sqb.1998.63.469 (IF 1998: 1.574; citations 31).
38. Dierich A, Sairam MR, Monaco L, Fimia GM, Gansmuller A, LeMeur M, Sassone-Corsi P (1998). Target disruption of the FSH receptor leads to aberrant gametogenesis and hormonal unbalance. *Proc Natl Acad Sci. USA* 95: 13612. doi: 10.1073/pnas.95.23.13612 (IF 1998: 9.821; citations 750).
39. Monaco L, Lamas M, Tamai K, Lalli E, Zazopoulos E, Penna L, Nantel F, Foulkes NS, Mazzucchelli C, Sassone-Corsi P (1997). Coupling transcription to signaling pathways: cAMP and nuclear factor cAMP-responsive element modulator. *Adv Second Messenger Phosphoprotein Res.* doi 31:63-74 (IF 1997: 3.231 citations 4).
40. Monaco L, Sassone-Corsi P (1997). Cross-talk in signal transduction: Ras-dependent induction of cAMP-responsive transcriptional repressor ICER by nerve growth factor. *Oncogene* 15: 2493. doi: 10.1038/sj.onc.1201636 (IF 1997: 6.772; citations 41).
41. Tamai KT, Monaco L, Nantel F, Zazopoulos E, Sassone-Corsi P (1997). Coupling signalling pathways to transcriptional control: nuclear factors responsive to cAMP. *Rec Progr Horm Res.* 52: 121 (IF 1997: 4.182, citations 41).
42. Tamai, KS, Monaco L, Alastalo TP, Lalli E, Parvinen M, Sassone-Corsi P (1996). Hormonal and developmental regulation of DAX-1 expression in Sertoli cells. *Mol Endocrinol.* 10: 1561. doi: 10.1210/mend.10.12.89 (IF 1997: 6.788; citations 119).
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Part X Other Informations

2019-2024 Member of the editorial board of "Methods & protocol"

Referee for Journal of Endocrinology and MDPI journals

Translation/revision of the following textbooks:

- Schmdt, Lang, Thews: Fisiologia Umana, V edizione, Idelson Gnocchi editor.
- Barrett, Barman, Boitano, Brooks: Fisiologia Medica di Ganong, XIII edition, Piccin editor

Tutor for the following Thesis:

- V. De Arcangelis (2008): PhD thesis “MicroRNAs’role in Duchenne muscular dystrophy”
- C. Randelli (2009): Graduation thesis“Il ruolo dei microRNA nella distrofia muscolare”
- M. Cornacchione (2011): Graduation thesis “Ruolo della fosfodiesterasi 5 nell’ipertrofia cardiaca indotta da stimolazione β -adrenergica”
- Zevini (2011): Graduation thesis: “Caratterizzazione molecolare delle isoforme di PDE5 espresse nel tessuto muscolare cardiaco”
- F. Serra (2011) Residency thesis: “Meccanismi epigenetici responsabili della downregolazione della β 1-sintrofina nel corso della Distrofia Muscolare di Duchenne”
- L. Vaticano (2012) Graduation thesis.”Caratterizzazione dei promotori di geni differenzialmente espressi nelle cellule muscolari stimolate con sostanze ipertrofizzanti”

Roma, 27-6-2024