

Procedura valutativa per la copertura di n. 1 posto di Professore Universitario di prima fascia per il Settore concorsuale 06/A2 – Settore scientifico disciplinare MED/04 presso il Dipartimento di Medicina Molecolare – Facoltà di Farmacia e Medicina”

Decreto Rettore Università di Roma “La Sapienza” n. 2111/2018 del 22/08/2018 (CODICE CONCORSO: 2018POR023)

GIANLUCA CANETTIERI

Curriculum Vitae

Place Rome

Date September 12th 2018

Part I – General Information

Full Name	Gianluca Canettieri
Citizenship	Italian
Spoken Languages	Italian, English

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1995	Faculty of Medicine and Surgery, University “La Sapienza”, Rome Italy	Medical Doctor degree, “ <i>Summa cum laude</i> ”
Post-graduate studies			
PhD	2000	Department of Experimental Medicine, University “La Sapienza”, Rome Italy	PhD degree in Endocrinology and Metabolic Sciences
Pre-doctorate training			
Licensure 01			
Licensure 02			

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
2008	Present	University “La Sapienza”, Rome, Italy Department of Molecular Medicine	Associate Professor MED/04
2005	2008	University “La Sapienza”, Rome, Italy Department of Experimental Medicine	Adjunct Professor MED/04 (Professore a contratto, Programma Rientro dei cervelli)

			– MIUR)
2000	2005	Salk Institute for Biological Studies, Peptide Biology laboratories, La Jolla, CA, USA	Research Associate
1996	1996	Geriatric Division, Johns Hopkins University, Baltimore MD, USA	Visiting Fellow

IIIB – Other Appointments

Start	End	Institution	Position
2017	2023	Abilitazione Scientifica Nazionale (Bando 2016 D.D. 1532/2016)	I Fascia SC 06/A2 – MED/04
2014	2020	Abilitazione Scientifica Nazionale (Bando 2012 DD n.222/2012)	I Fascia SC 06/N1 – MED/46
2012	Present	University “La Sapienza”, Rome Italy Department of Molecular Medicine	Head of Epigenetics, Metabolism and Cancer Unit
2014	Present	University “La Sapienza”, Rome, Italy Faculty of Medicine and Pharmacy,	Vice President of the Degree course in Nursing Sciences “E”
2015	Present	Stem Cell Epigenetics	Editorial Board Member

Part IV – Teaching experience

Year	Institution	Lecture/Course
2010- Present	University “La Sapienza”, Rome, Italy Faculty of Pharmacy and Medicine, Degree course in Biotechnology	Genetic Pathology, Human Genetic and Biology of Reproduction (Coordinator)
2014- Present	University “La Sapienza”, Rome, Italy Faculty of Pharmacy and Medicine, Degree course in Nursing Sciences “E”	Pathophysiological Basis of Diseases (Coordinator)
2013- Present	University “La Sapienza”, Rome, Italy Faculty of Pharmacy and Medicine, Degree course in English in Surgery and Medicine (CLMF)	General Pathology and Pathophysiology
2015- 2017	University “La Sapienza”, Rome, Italy Faculty of Pharmacy and Medicine, Degree course in Nursing Sciences “E”	Scientific English (Coordinator)
2005- 2012	University “La Sapienza”, Rome, Italy Faculty of Medicine and Dentistry, Degree course in Science in Diagnostic Techniques of the Health Care Professions	Medicine and Techniques of Biomedical Laboratory
2008- 2013	University “La Sapienza”, Rome, Italy Faculty of Pharmacy and Medicine, Degree course in Science in Diagnostic Techniques of the Health Care Professions	Biomedical Sciences
2011- 2014	University “La Sapienza”, Rome, Italy Faculty of Pharmacy and Medicine, Degree course in Science in Diagnostic	Internal Medicine

	Techniques of the Health Care Professions	
2008-Present	University “La Sapienza”, Rome, Italy Faculty of Pharmacy and Medicine	Board Member of the PhD Programme in Molecular Medicine
2012-2013	University of L’Aquila, Faculty of Medicine and Surgery	Board Member of the PhD Programme in Biotechnology
2013-2014	University of L’Aquila, Faculty of Medicine and Surgery	Board Member of the PhD Programme in Experimental Medicine

Part V - Society memberships, Awards and Honors

Year	Title
1997	Italian Society of Endocrinology (SIE) membership
2017	Italian Society of Pathology and Translational Medicine (SIPMET) membership
1998	Best oral presentation award - XVI Giornate Italiane della Tiroide (GIT). Rome 3-5 December, 1998
2005	Best poster presentation award - XXXI meeting of the Italian Society of Endocrinology (SIE) - Genova, Italy 4-7 maggio 2005
2000-2002	Istituto Pasteur - Cenci-Bolognetti Foundation fellowship award for research abroad.
2000-2002	Postdoctoral training fellowship – Salk Institute for Biological Studies
2002-2004	Career Development Award, Juvenile Diabetes Research Foundation (JDRF, USA)
2005	Istituto Pasteur - Fondazione Cenci-Bolognetti award for scientists returning from abroad
2005-2008	Progetto “Rientro dei Cervelli” award - MIUR, Italy

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

Year	Title	Program	Grant value
2002	Characterization of the role of the transcription factor CREB in pancreatic development and function	Juvenile Diabetes Research Foundation (JDRF, USA)	86.388 \$
2005	Molecular Mechanisms involved in molecular oncogenesis	Ministry of University and Research, Progetto Rientro dei Cervelli	149.000 €
2008	Post genomic applications in Molecular Medicine: Integrated study of genetic and epigenetic modifications in tumor pathogenesis	“La Sapienza” University Instrumentation dedicated fundings	74.950 €
2008	Molecular pathogenesis of cerebellar tumors: “identification of ZNF9 as a novel co-repressor of the Hedgehog pathway”	“La Sapienza” University Scientific Research funding	8.958,33 €
2009	Molecular pathogenesis of cerebellar tumors: “identification of ZNF9 as a novel co-repressor of Hedgehog	“La Sapienza” University Scientific Research funding	2.400 €

	pathway” (Renewal)		
2009	Role of the CRTC coactivator family in endothelial function and atherosclerosis	Ministry of University and Research, PRIN	48.104 €
2010	micro-RNA: from mechanisms to diagnostic and therapeutic applications	Ministry of University and Research, FIRB	1.162.500 €
2011	Role of translational control in the development and differentiation of the nervous system regulated by the Hedgehog pathway	“La Sapienza” University Scientific Research funding	7.000 €
2011	Study of the metabolic transformation in tumors of the nervous system	“La Sapienza” University Scientific Research funding	27.818 €
2014	Regulation of the metabolism of polyamines by the Hedgehog pathway: molecular mechanism and role in medulloblastoma	“La Sapienza” University Scientific Research funding	10.000
2015	CNBP-cMyc axis in colorectal carcinogenesis	“La Sapienza” University Scientific Research funding (Progetti grandi)	30.000 €
2016	Pro-tumorigenic role of the CNBP-cMyc axis in colorectal carcinogenesis	AIRC IG # 17575	201.000 €
2017	Analysis of the DM2 pathogenic mechanisms using Drosophila as model system	AFM-Telethon (France)	47.500 €
2018	Targeting MYC translation in Colorectal Cancer	Pasteur Institute “Anna Tramontano” Research Grant	60.000 €

Part VII – Research Activities

Keywords	Brief Description
Cancer	<p>Transcriptional, translational, metabolic alterations in cancer and diseases</p> <ul style="list-style-type: none"> -Epigenetic alterations and medulloblastoma: Gli acetylation as a critical druggable checkpoint in Hedgehog signaling and tumors -Translational mechanisms governed by the Hedgehog signaling: regulation of polyamine metabolism by a novel non-canonical mechanism and its role in cancer -Role of the translational regulator CNBP and its targets in development and diseases: characterization of the translational function in Drosophila and Mammals -Role of MYC translation in colorectal cancer and drug resistance -Role of ubiquitination in Hedgehog-dependent function and tumors -Mechanisms controlling normal and cancer stem cells: role of Hedgehog and MYC - Metabolic reprogramming in medulloblastoma: role of AMPK and the glycolytic metabolism; pharmacological targeting in mouse models - Biguanides and redox state alterations in Hedgehog-dependent cancers -Role of CRTC1 as AP1 coactivator and its alteration in tumors and metabolic diseases
Hedgehog pathway	
Signal transduction	
Metabolism	
Epigenetics	

Epigenetics and transcriptional control by cAMP and their role in metabolic diseases

-Epigenetic mechanisms acting in response to increases of intracellular cAMP: chromatin modifications associated to cAMP-dependent transcriptional response. Identification of the CREB/HDAC1/PP1 complex
-Regulation of beta cell survival using mouse transgenic model of CREB loss-of-function. Identification of the cAMP-CREB-IRS2 survival pathway and its role in diabetes
-Identification of the CRTC class of CREB coactivators and their role in glucose homeostasis. The cAMP-CRTC-IRS2 axis in the liver and generation of gene therapy approaches in mice to restore proper IRS2 levels

Thyroid and metabolic diseases

-Transcriptional regulation of thyroid hormone metabolism: regulation of type 2 deiodinases gene (Dio2) by different metabolic and mitogenic stimuli and transcription factors (cAMP, EGF, CREB, AP1, C/EBP)
-Thyroid hormone deiodination in the pathogenesis of obesity and type 2 diabetes
-Intracellular transport of thyroid hormones
-Clinical investigation studies on the association between thyroid diseases and autoimmunity

Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	49	Scopus	1996	2018
Papers [national]				
Books [scientific]	2 (Chapters)	Scopus	2012	2018
Books [teaching]				

Total Impact factor	414,18
Average Impact Factor per product	8,12
Impact factor last 10 years	226,37
Total Citations	3365
Average Citations per Product	66
Hirsch (H) index	24
Normalized H index*	1,09

*H index divided by the academic seniority.

Part IX– 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).

1

Canettieri G, Di Marcotullio L, Greco A, Coni S, Antonucci L, Infante P, Pietrosanti L, De Smaele E, Ferretti E, Miele E, Pelloni M, De Simone G, Pedone EM, Gallinari P, Giorgi A, Steinkühler C, Vitagliano L, Pedone C, Schinin ME, Screpanti I, Gulino A.

Histone deacetylase and Cullin3-REN(KCTD11) ubiquitin ligase interplay regulates Hedgehog signalling through Gli acetylation.

Nat Cell Biol. 2010 Feb;12(2):132-42.

Publisher: NATURE PUBLISHING GROUP, MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND

Time Cited: 167 (From Scopus)

IF: 19,4

2

D'Amico D, Antonucci L, Di Magno L, Coni S, Sdruschia G, Macone A, Miele E, Infante P, Di Marcotullio L, De Smaele E, Ferretti E, Ciapponi L, Giangaspero F, Yates JR 3rd, Agostinelli E, Cardinali B, Screpanti I, Gulino A, **Canettieri G***.

Non-canonical Hedgehog/AMPK-Mediated Control of Polyamine Metabolism Supports Neuronal and Medulloblastoma Cell Growth.

Dev Cell. 2015 Oct 12;35(1):21-35. doi: 10.1016/j.devcel.2015.09.008.

Publisher: ELSEVIER SCI LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, OXON, ENGLAND

*Corresponding Author

Time Cited: 18 (From Scopus)

IF: 9,34

3

Canettieri G*, Coni S, Della Guardia M, Nocerino V, Antonucci L, Di Magno L, Screaton R, Screpanti I, Giannini G, Gulino A.

The coactivator CRTCl promotes cell proliferation and transformation via AP-1.

Proc Natl Acad Sci U S A. 2009 Feb 3;106(5):1445-50.

*Corresponding Author

Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC 20418 USA

Time Cited: 32 (From Scopus)

IF: 9,43

4

Infante P, Faedda R, Bernardi F, Bufalieri F, Lospinoso Severini L, Alfonsi R, Mazzà D, Siler M, Coni S, Po A, Petroni M, Ferretti E, Mori M, De Smaele E, **Canettieri G**, Capalbo C, Maroder M, Screpanti I, Kool M, Pfister SM, Guardavaccaro D, Gulino A, Di Marcotullio L.

Itch/ β -arrestin2-dependent non-proteolytic ubiquitylation of SuFu controls Hedgehog signalling and medulloblastoma tumorigenesis.

Nat Commun. 2018 Mar 7;9(1):976. doi: 10.1038/s41467-018-03339-0.

Publisher: NATURE PUBLISHING GROUP, MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND

Time Cited: 0 (From Scopus)

IF:12,35

5

D'Amico D, **Canettieri G***.

Translating Hedgehog in Cancer: Controlling Protein Synthesis.

Trends Mol Med. 2016 Oct;22(10):851-862. doi: 10.1016/j.molmed.2016.08.003. Review.

Publisher: ELSEVIER SCI LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, OXON, ENGLAND

*Corresponding Author

Time Cited: 2 (From Scopus)

IF: 10,73

6

Coni S, Mancuso AB, Di Magno L, Sdruscia G, Manni S, Serrao S, Rotili D, Spiombi E, Bufalieri F, Petroni ML, Kusio-Kobialka M, De Smaele E, Ferretti E, Capalbo C, Mai A, Niewiadomski P, Screpanti I, Di Marcotullio L and **Canettieri G***.

Selective targeting of HDAC1/2 elicits anticancer effects through Gli1 acetylation in preclinical models of SHH Medulloblastoma

Sci Rep. 2017 Mar 9;7:44079. doi: 10.1038/srep44079.

Publisher: NATURE PUBLISHING GROUP, MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND

*Corresponding Author

Time Cited: 4 (From Scopus)

IF: 4,12

7

Di Magno L, Coni S, Di Marcotullio L, **Canettieri G***.

Digging a hole under Hedgehog: downstream inhibition as an emerging anticancer strategy.

Biochim Biophys Acta Reviews in Cancer. 2015 Jun 12;1856(1):62-72. doi: 10.1016/j.bbcan.2015.06.003.

Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS

*Corresponding Author

Time Cited: 27 (From Scopus)

IF: 7,84

8

Infante P, Mori M, Alfonsi R, Ghirga F, Aiello F, Toscano S, Ingallina C, Siler M, Cucchi D, Po A, Miele E, D'Amico D, **Canettieri G**, De Smaele E, Ferretti E, Screpanti I, Uccello Barretta G, Botta M, Botta B, Gulino A, Di Marcotullio L.

Gli1/DNA interaction is a druggable target for Hedgehog-dependent tumors.

EMBO J. 2015 Jan 13;34(2):200-17. doi: 10.15252/embj.201489213. Epub 2014 Dec 4.

Publisher: WILEY-BLACKWELL, 111 RIVER ST, HOBOKEN 07030-5774, NJ USA

Time Cited: 60 (From Scopus)

IF: 9,64

9

Garg N, Po A, Miele E, Campese AF, Begalli F, Silvano M, Infante P, Capalbo C, De Smaele E, **Canettieri G**, Di Marcotullio L, Screpanti I, Ferretti E, Gulino A.

microRNA-17-92 cluster is a direct Nanog target and controls neural stem cell through Trp53inp1.

EMBO J. 2013 Oct 30;32(21):2819-32. doi: 10.1038/emboj.2013.214. Epub 2013 Sep 27.

Publisher: NATURE PUBLISHING GROUP, 75 VARICK ST, 9TH FLR, NEW YORK, NY 10013-1917 USA

Time Cited: 34 (From Scopus)

IF:10,74

10

Po A, Ferretti E, Miele E, De Smaele E, Paganelli A, **Canettieri G**, Coni S, Di Marcotullio L, Biffoni M, Massimi L, Di Rocco C, Screpanti I, Gulino A.

Hedgehog controls neural stem cells through p53-independent regulation of Nanog.

EMBO J. 2010 Aug 4;29(15):2646-58.

Publisher: NATURE PUBLISHING GROUP, 75 VARICK ST, 9TH FLR, NEW YORK, NY 10013-1917 USA

Time Cited: 125 (From Scopus)

IF: 10,12

11

Di Magno L, Basile A, Coni S, Manni S, Sdruschia G, D'Amico D, Antonucci L, Infante P, De Smaele E, Cucchi D, Ferretti E, Di Marcotullio L, Screpanti I, **Canettieri G***.

The energy sensor AMPK regulates Hedgehog signaling in human cells through a unique Gli1 metabolic checkpoint.

Oncotarget. 2016 Jan 29. doi: 10.18632/oncotarget.7070. [Epub ahead of print]

Publisher: IMPACT JOURNALS LLC, 6666 E QUAKER ST, STE 1, ORCHARD PARK, NY 14127 USA

*Corresponding Author

Time Cited: 12 (From Scopus)

IF: 5,17

12

Di Magno L, Manzi D, D'Amico D, Coni S, Macone S, Infante S, Di Marcotullio L, De Smaele E, Ferretti E, Screpanti I, Agostinelli E, Gulino A, **Canettieri G***.

Druggable glycolytic requirement for hedgehog-dependent neuronal and medulloblastoma growth

Cell Cycle. 2014;13(21):3404-13. doi: 10.4161/15384101.2014.952973.

Publisher: TAYLOR & FRANCIS INC, 530 WALNUT STREET, STE 850, PHILADELPHIA, PA 19106 USA

*Corresponding Author

Time Cited: 13 (From Scopus)

IF:4,56

13

Mazzà D, Infante P, Colicchia V, Greco A, Alfonsi R, Siler M, Antonucci L, Po A, De Smaele E, Ferretti E, Capalbo C, Bellavia D, **Canettieri G**, Giannini G, Screpanti I, Gulino A, Di Marcotullio L.

PCAF ubiquitin ligase activity inhibits Hedgehog/Gli1 signaling in p53-dependent response to genotoxic stress.

Cell Death Differ. 2013 Dec;20(12):1688-97. doi:10.1038/cdd.2013.120. Epub 2013 Sep 6.

Publisher: NATURE PUBLISHING GROUP, MACMILLAN BUILDING, 4 CRINAN ST, LONDON N1 9XW, ENGLAND

Time Cited: 41 (From Scopus)

IF: 8,38

14

Antonucci L, D'Amico D, Di Magno L, Coni S, Di Marcotullio L, Cardinali B, Gulino A, Ciapponi L, **Canettieri G***.

CNBP regulates wing development in *Drosophila melanogaster* by promoting IRES-dependent translation of dMyc.

Cell Cycle. 2014 Feb 1;13(3):434-9. doi: 10.4161/cc.27268. Epub 2013 Nov 25.

Publisher: LANDES BIOSCIENCE, 1806 RIO GRANDE ST, AUSTIN, TX 78702 USA

*Corresponding Author

Time Cited: 7 (From Scopus)

IF: 4,56

15

Coni S, Antonucci L, D'Amico D, Di Magno L, Infante P, De Smaele E, Giannini G, Di Marcotullio L, Screpanti I, Gulino A, **Canettieri G***.

Gli2 acetylation at lysine 757 regulates hedgehog-dependent transcriptional output by preventing its promoter occupancy.

PLoS One. 2013 Jun 6;8(6):e65718. doi: 10.1371/journal.pone.0065718. Print 2013.

*Corresponding Author

Publisher: PUBLIC LIBRARY SCIENCE, 1160 BATTERY STREET, STE 100, SAN FRANCISCO, CA 94111 USA

Time Cited: 29 (From Scopus)

IF: 3,53

16

Canettieri G*, Franchi A, Della Guardia M, Morante I, Santaguida MG, Harney JW, Larsen PR, Centanni M. Activation of thyroid hormone is transcriptionally regulated by epidermal growth factor in human placenta-derived JEG3 cells.

Endocrinology. 2008 Feb;149(2):695-702.

*Corresponding Author

Publisher: ENDOCRINE SOC, 8401 CONNECTICUT AVE, SUITE 900, CHEVY CHASE, MD 20815-5817 USA

Time Cited: 14 (From Scopus)

IF: 4,94

Part X– All Publications

Ohkubo S, Dalla Via L, Grancara S, Kanamori Y, García-Argáez AN, **Canettieri G**, Arcari P, Toninello A, Agostinelli E

The antioxidant, aged garlic extract, exerts cytotoxic effects on wild-type and multidrug-resistant human cancer cells by altering mitochondrial permeability

Int J Oncol. 2018 Sep;53(3):1257-1268. doi: 10.3892/ijo.2018.4452.

IF: 3,33

Infante P, Faedda R, Bernardi F, Bufalieri F, Lospinoso Severini L, Alfonsi R, Mazzà D, Siler M, Coni S, Po A, Petroni M, Ferretti E, Mori M, De Smaele E, **Canettieri G**, Capalbo C, Maroder M, Screpanti I, Kool M, Pfister SM, Guardavaccaro D, Gulino A, Di Marcotullio L.

Itch/ β -arrestin2-dependent non-proteolytic ubiquitylation of SuFu controls Hedgehog signalling and medulloblastoma tumorigenesis.

Nat Commun. 2018 Mar 7;9(1):976. doi: 10.1038/s41467-018-03339-0.

IF: 12,35

Gruber W, Peer E, Elmer DP, Sternberg C, Tesanovic S, Del Burgo P, Coni S, **Canettieri G**, Neureiter D, Bartz R, Kohlhof H, Vitt D, Aberger F.

Targeting class I histone deacetylases by the novel small molecule inhibitor 4SC-202 blocks oncogenic hedgehog-GLI signaling and overcomes smoothed inhibitor resistance.

Int J Cancer. 2018 Mar 1;142(5):968-975. doi: 10.1002/ijc.31117. Epub 2017 Nov 6.

IF: 7,36

Miele E, Po A, Begalli F, Antonucci L, Mastronuzzi A, Marras CE, Carai A, Cucchi, Abballe L, Besharat ZM, Catanzaro G, Infante P, Di Marcotullio L, **Canettieri G**, De Smaele E, Screpanti I, Locatelli F, Ferretti E.

β -arrestin1-mediated acetylation of Gli1 regulates Hedgehog/Gli signaling and modulates self-renewal of SHH medulloblastoma Cancer Stem Cells

BMC Cancer. 2017 Jul 17;17(1):488. doi: 10.1186/s12885-017-3477-0.

IF: 3,29

Po A, Silvano M, Miele E, Capalbo C, Eramo A, Salvati V, Todaro M, Besharat ZM, Catanzaro G, Cucchi D, Coni S, Di Marcotullio L, **Canettieri G**, Vacca A, Stassi G, De Smaele E, Tartaglia M, Screpanti I, De Maria R, Ferretti E. Noncanonical GLI1 signaling promotes stemness features and in vivo growth in lung adenocarcinoma.

Oncogene. 2017 Apr 3. doi: 10.1038/onc.2017.91. [Epub ahead of print]

IF: 6,85

Coni S, Mancuso AB, Di Magno L, Sdruscia G, Manni S, Serrao S, Rotili D, Spiombi E, Bufalieri F, Petroni ML, Kusio-Kobialka M, De Smaele E, Ferretti E, Capalbo C, Mai A, Niewiadomski P, Screpanti I, Di Marcotullio L and **Canettieri G***.

Selective targeting of HDAC1/2 elicits anticancer effects through Gli1 acetylation in preclinical models of SHH Medulloblastoma

Sci Rep. 2017 Mar 9;7:44079. doi: 10.1038/srep44079.

*Corresponding Author

IF: 4,12

Infante P, Alfonsi R, Ingallina C, Quaglio D, Ghirga F, D'Acquarica I, Bernardi F, Di Magno L, **Canettieri G**, Screpanti I, Gulino A, Botta B, Mori M, Di Marcotullio L
Inhibition of Hedgehog-dependent tumors and cancer stem cells by a newly identified naturally occurring chemotype
Cell Death and Disease (2016) 7, e2376; doi:10.1038/cddis.2016.195
IF: 5,96

D'Amico D, **Canettieri G***.
Translating Hedgehog in Cancer: Controlling Protein Synthesis.
Trends Mol Med. 2016 Oct;22(10):851-862. doi: 10.1016/j.molmed.2016.08.003. Review.
*Corresponding Author
IF: 10,73

Di Magno L, Basile A, Coni S, Manni S, Sdruscia G, D'Amico D, Antonucci L, Infante P, De Smaele E, Cucchi D, Ferretti E, Di Marcotullio L, Screpanti I, **Canettieri G***.
The energy sensor AMPK regulates Hedgehog signaling in human cells through a unique Gli1 metabolic checkpoint.
Oncotarget. 2016 Jan 29. doi: 10.18632/oncotarget.7070. [Epub ahead of print]
*Corresponding Author
IF: 5,17

D'Amico D, Antonucci L, Di Magno L, Coni S, Sdruscia G, Macone A, Miele E, Infante P, Di Marcotullio L, De Smaele E, Ferretti E, Ciapponi L, Giangaspero F, Yates JR 3rd, Agostinelli E, Cardinali B, Screpanti I, Gulino A, **Canettieri G***
Non-canonical Hedgehog/AMPK-Mediated Control of Polyamine Metabolism Supports Neuronal and Medulloblastoma Cell Growth.
Dev Cell. 2015 Oct 12;35(1):21-35. doi: 10.1016/j.devcel.2015.09.008.
*Corresponding Author
IF: 9,34

Coni S, Di Magno L, **Canettieri G***.
Determination of Acetylation of the Gli Transcription Factors.
Methods Mol Biol. 2015;1322:147-56. doi: 10.1007/978-1-4939-2772-2_13.
*Corresponding Author

Di Magno L, Coni S, Di Marcotullio L, **Canettieri G***.
Digging a hole under Hedgehog: downstream inhibition as an emerging anticancer strategy.
Biochim Biophys Acta Reviews in Cancer. 2015 Jun 12;1856(1):62-72. doi: 10.1016/j.bbcan.2015.06.003.
*Corresponding Author
IF: 7,84

Di Magno L, Manzi D, D'Amico D, Coni S, Macone S, Infante S, Di Marcotullio L, De Smaele E, Ferretti E, Screpanti I, Agostinelli E, Gulino A, **Canettieri G***.
Druggable glycolytic requirement for hedgehog-dependent neuronal and medulloblastoma growth
Cell Cycle. 2014;13(21):3404-13. doi: 10.4161/15384101.2014.952973.
*Corresponding Author
IF: 4,56

Infante P, Mori M, Alfonsi R, Ghirga F, Aiello F, Toscano S, Siler M, Cucchi D, Po A, Miele E, D'Amico D, **Canettieri G**, De Smaele E, Ferretti E, Screpanti I, Uccello Barretta G, Botta M, Botta B, Gulino A, Di Marcotullio L.
Gli1/DNA interaction is a druggable target for Hedgehog-dependent tumors.

EMBO J. 2015 Jan 13;34(2):200-17. doi: 10.15252/embj.201489213. Epub 2014 Dec 4.
IF: 9,64

Infante P, **Canettieri G**, Gulino A, Di Marcotullio L
Yin-Yang strands of PCAF/Hedgehog axis in cancer control
Trends Mol Med. Aug;20(8):416-8. doi: 10.1016/j.molmed.2014.05.003. Epub 2014 Jun 4.
IF: 9,45

Antonucci L, D'Amico D, Di Magno L, Coni S, Di Marcotullio L, Cardinali B, Gulino A, Ciapponi L, **Canettieri G***.
CNBP regulates wing development in *Drosophila melanogaster* by promoting IRES-dependent translation of dMyc.
Cell Cycle. 2014 Feb 1;13(3):434-9. doi: 10.4161/cc.27268. Epub 2013 Nov 25.
*Corresponding Author
IF: 4,56

Germani A, Matrone A, Grossi V, Peserico A, Sanese P, Liuzzi M, Palermo R, Murzilli S, Campese AF, Ingravallo G, **Canettieri G**, Tezil T, Simone C.
Targeted therapy against chemoresistant colorectal cancers: Inhibition of p38 α modulates the effect of cisplatin in vitro and in vivo through the tumor suppressor FoxO3A.
Cancer Lett. 2014 Mar 1;344(1):110-8. doi: 10.1016/j.canlet.2013.10.035. Epub 2013 Nov 9.
IF: 5,62

Garg N, Po A, Miele E, Campese AF, Begalli F, Silvano M, Infante P, Capalbo C, De Smaele E, **Canettieri G**, Di Marcotullio L, Screpanti I, Ferretti E, Gulino A.
microRNA-17-92 cluster is a direct Nanog target and controls neural stem cell through Trp53inp1.
EMBO J. 2013 Oct 30;32(21):2819-32. doi: 10.1038/emboj.2013.214. Epub 2013 Sep 27.
IF: 10,74

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Firmato

