

Name: Luca, L. Fava

Positions Held to Date:

2020 – present Associate professor of applied biology and research group leader, Armenise-Harvard Laboratory of Cell Division, Department of Cellular, Computational and Integrative Biology - CIBIO University of Trento

2017 – 2020 Assistant professor of applied biology (tenure track) and research group leader, Armenise-Harvard Laboratory of Cell Division, Department of Cellular, Computational and Integrative Biology - CIBIO University of Trento

2012 – 2017 Postdoctoral fellow. Laboratory of Prof. Andreas Villunger, Division of Developmental Immunology, Innsbruck Medical University, Innsbruck, Austria

2009 – 2011 PhD student, Laboratory of Prof. Erich Nigg, Growth & Development, Biozentrum, University of Basel, Switzerland

2007 – 2009 PhD student, Laboratory of Prof. Erich Nigg, Department of Cell Biology, Max Planck Institute of Biochemistry, Martinsried, Germany

2006 – 2007 MSc student, Laboratory of Prof. Elmar Schiebel, ZMBH – University of Heidelberg, Germany

Main areas of research: Cell division cycle, cell death, centrosome biology, and cancer biology.

Most important scientific results achieved to date, statement:

I am a 37-year-old molecular biologist, currently employed as an associate professor at the University of Trento, Italy. Following my undergraduate studies (at the University of Padova, Italy), I took a PhD position at the **Max Planck Institute of Biochemistry**, Germany, where I worked with Dr. Erich Nigg studying the Spindle Assembly Checkpoint in human cells. My work (published in the **EMBO J**, first author) helped to uncover mechanistic aspects of checkpoint signaling. During my subsequent postdoctoral training with Dr. Andreas Villunger in Innsbruck, Austria, I studied stress-signaling pathways that are turned on when cell division is not completed faithfully. To pursue this interest, I focused on competitive fundraising to support my projects (obtaining over **400 k€** of funds).

This did not only allow me to publish my postdoctoral work as co-corresponding author (in **EMBO Rep**, **Nat Comms** and **G&D**), but laid also the foundation for the projects that I launched as independent PI in Trento. In the last 4 years in Trento I have raised approx. **1.5 M€** of competitive funds that allow me to sustain group of 7 young scientists, currently exploiting a broad range of methods to address the contribution of the centrosome to diverse cellular signalling pathways. While the centrosome has been viewed as a structural component of the cell, our work is beginning to uncover its contribution as signalling centre (with a first manuscript in press at the **EMBO J**, senior author). Considering that malfunction of the cascades modulated by the centrosome have relevant impact on human health, contributing to the aetiology of cancer, neurodevelopmental and bleeding disorders, our work is acquiring broad medical implications.

Description of previous research achievements

Academic publications (top 10), *corresponding author:

Burigotto M, Mattivi A, Migliorati D, Magnani G, Valentini C, Rocuzzo M, Offterdinger M, Pizzato M, Schmidt A, Villunger A, Maffini S, **Fava LL***. (2021) Centriolar distal appendages activate the centrosome-PIDDosome-p53 signaling axis via ANKRD26. **EMBO JOURNAL**, doi: 10.15252/emj.2020104844

Sladky VC, Knapp K, ..., **Fava LL**, ..., de Bruin A, Villunger A. (2020) E2F-Family Members Engage the PIDDosome to Limit Hepatocyte Ploidy in Liver Development and Regeneration. **DEVELOPMENTAL CELL** doi: 10.1016/j.devcel.2019.12.016

Contadini C, Monteonofrio L, Virdia I, Prodosmo A, Valente D, Chessa L, Musio A, **Fava LL**, Rinaldo C, Di Rocco G & Soddu S (2019) p53 mitotic centrosome localization preserves centrosome integrity and works as sensor for the mitotic surveillance pathway. **CELL DEATH & DISEASE**, doi: 10.1038/s41419-019-2076-1

Liccardi G, Ramos Garcia L, ..., **Fava LL**, ..., Bianchi K, Meier P (2019) RIPK1 and Caspase-8 Ensure Chromosome Stability Independently of Their Role in Cell Death and Inflammation. **MOLECULAR CELL** doi: 10.1016/j.molcel.2018.11.010

Fava LL*, Schuler F, Sladky V, Haschka MD, Soratroi C, Eiterer L, Demetz E, Weiss G, Geley S, Nigg EA, Villunger A* (2017) The PIDDosome activates p53 in response to supernumerary centrosomes. **GENES & DEVELOPMENT**, doi: 10.1101/gad.289728.116

Haschka MD, Soratroi C, Kirschnek S, Haecker G, Hilbe R, Geley S, Villunger A*, **Fava LL*** (2015) The NOXA-MCL1-BIM axis defines lifespan on extended mitotic arrest. **NATURE COMMUNICATIONS**, doi: 10.1038/ncomms7891

Fava LL*, Rainer J, Haschka MD, Geley S, Villunger A. (2015) Beclin 1 is dispensable for chromosome congression and proper outer kinetochore assembly. **EMBO REPORTS**; doi: 10.15252/embr.201540731

Robitaille AM, Christen S, Shimobayashi M, Cornu M, **Fava LL**, Moes S, Prescianotto-Baschong C, Sauer U, Jenoe P & Hall MN (2013) Quantitative phosphoproteomics reveal mTORC1 activates de novo pyrimidine synthesis. **SCIENCE** doi: 10.1126/science.1228771

Gombos L, Neuner A, Berynsky M, **Fava LL**, Wade RC, Sachse C, Elmar Schiebel (2013) GTP regulates the microtubule nucleation activity of γ -tubulin. **NATURE CELL BIOLOGY**. doi: 10.1038/ncb2863

Fava LL, Kaulich M, Nigg EA, Santamaria A (2011) Probing the in vivo function of Mad1:CMad2 in the spindle assembly checkpoint. **EMBO JOURNAL**, vol. 30, p. 3322-3336, doi:10.1038/emboj.2011.239

Additional research achievements (top 10):

Research grant: 2020-2022 EU H2020 (project number 823839), European Proteomics Infrastructure Consortium (EPIC-XS, = **12.000 €**). Funding of a collaborative effort between Luca Fava and the VIB proteomics core facility, Ghent, Belgium. Project title: "The centrosome guardian unveiled: defining the signaling network elicited by the Caspase-2-PIDDosome".

Research grant: 2020-2023/2025 (3+2 years) Italian Association for Cancer Research, AIRC (**291.000 + 195.000 €**). Awarded with CIBIO, University of Trento, as hosting institution. Project title: "Dissecting the role of supernumerary centrosomes in cancer onset and progression".

Research grant: 2017-2022 Armenise-Harvard foundation, (**1.000.000 USD**). Awarded with CIBIO, University of Trento, as hosting institution. Project title: "How do cells count their centrosomes? A mechanistic study".

Research grant: 2017-2020 South Tyrol/Alto Adige government, (**268.000 €**, declined). Awarded with Innsbruck Medical University as hosting institution. Project title: "Investigating the regulation of MCL1 protein turnover and its relevance for cancer treatment".

Research grant: 2012-2014 EMBO long-term postdoctoral fellowship (**two years of postdoc salary**). Awarded with Innsbruck Medical University as hosting institution. Project title: "Orchestration of caspase activation by Bcl-2 Family proteins upon extended mitotic arrest".

Invited Conference talk: January 2020 FOR2036 Symposium: Remaining Riddles in Cell Death Research; Obergurgl, Austria

Invited Conference talk: September 2019 AGI – SIMAG (Italian Genetics Associations) joint meeting; Cortona, Italy

Invited Conference talk: June 2019 Armenise Harvard Symposium: Quantifying Biology in Space and Time; Gubbio, Italy

Invited lecture: September 2018 SEMM PhD program lecture; IFOM, Milan, Italy

Invited Conference talk: February 2018 Farewell Symposium Erich Nigg, Director Biocenter; University of Basel, Switzerland

Fulvio Chiacchiera

Scientific Interests:

- Transcriptional and epigenetic mechanisms preserving adult intestinal stem cells
- Liver and intestinal cancer epigenetics
- Transcriptional and epigenetic control of metastasis

Work experience:

- 2021- at present: faculty member of the PhD program in biomolecular sciences
- 2018- at present: Assistant professor, Group Leader, Laboratory of Stem Cells and Cancer Genomics, CIBIO, University of Trento
- 2018-2019: visiting scientist and principal investigator. Department of Experimental Oncology, European Institute of Oncology
- 2011-2017: Research Associate in Diego Pasini's lab at Department of Experimental Oncology, European Institute of Oncology.
- 2008-2011: Post-doc in Cristiano Simone's lab. at Department of translational pharmacology, Consorzio Mario Negri Sud.

Scientific accomplishments:

2011- at present: *in vivo* characterization of the role played by polycomb complexes in maintaining intestinal homeostasis. I provided phenotypical and molecular evidences of a crucial role of both polycomb complexes in preserving stem cell identity, cell differentiation and proliferation during physiological conditions and during tumour formation.

2008-2011: seminal contribution to the characterization of p38a MAPK as promising pharmacological target for colon cancer treatment. I described the antitumor effects of p38 inhibitors alone and in combination with MEKK inhibitors providing molecular and cellular mechanistic explanations both *in vitro* and *in vivo*.

Education:

- 2018: National scientific qualification (abilitazione scientifica nazionale) as associate professor in applied biology (05/F1) and molecular biology (05/E2).
- 2005-2008: PhD in Molecular Medicine, University of Trieste, Trieste, Italy. Supervisor: Dr Licio Collavin
- 2006: Summer school "Advance topics in molecular medicine", International Centre for Genetic Engineering and Biotechnology, Trieste, Italy.

- 2005: Summer school "Advance topics in biomedicine", International Centre for Genetic Engineering and Biotechnology, Trieste, Italy.
- 2003: Master degree in Biological sciences, University of Tuscia (110/110 cum laude), Viterbo, Italy. Supervisor: Prof. Luigi Bosco

Fellowships, Grants and Awards:

- 2018: Five years AIRC (Italian Association for Cancer Research) grant MFAG2017: 500.000 €
- 2018: Umberto Veronesi Foundation post-doctoral fellowship (declined)
- 2017: IEO-CCM Foundation post-doctoral fellowship
- 2017: Umberto Veronesi Foundation post-doctoral fellowship
- 2016: Begnudelli Award, Pezcoller Foundation, Trento, Italy
- 2015: Umberto Veronesi Foundation post-doctoral fellowship
- 2014: Umberto Veronesi Foundation post-doctoral fellowship
- 2009-2011: Three years FIRC (Italian Foundation for cancer research) fellowship
- 2010: Keystone Symposia fellowship to attend meeting "Cell Death Pathways: Apoptosis, Autophagy and Necrosis", Vancouver, BC, Canada

Editorial Activity:

- Guest Editor Frontiers in cell and developmental biology

Ad hoc reviewer:

Plos Genetics, Science Advances, Cell Death and Disease, Oncotarget, Israel Science Foundation, National Science Foundation (USA), Plos One, Journal of Cellular Physiology, Febs Open Bio, Cellular Signaling, Frontiers in oncology, World Journal of Gastroenterology.

Tutorial/supervising Activity:

- Davide Bressan, PhD student, University of Trento
- Elisa Ferracci, PhD student, University of Trento
- Alessandro D'Ambrosio SEMM PhD student
- Simona Amato SEMM PhD student
- Patrizia Mulè SEMM PhD student
- Silvia Pivetti, SEMM PhD student, now post doc at San Raffaele institute, milan.
- Gaia Fiaccadori, master degree in cellular and molecular biotechnology obtained in November 2020, (110/110)
- Emanuela Fina, Master degree in biotechnology obtained in October 2009 (110/110 cum laude), now post-doc at Humanitas medical centre, Milan
- Marianna Cappellari, Master degree in biotechnology obtained in December 2009 (110/110 cum laude), now nutritionist
- Valentina Grossi, Master degree in biotechnology obtained in October 2009 (108/110), post-graduate training from October 2009 and PhD student from september 2010, now post-doc at university Aldo Moro, Bari
- Antonio Matrone, PhD student.

- Alessia Peserico, post-graduate training from January 2010, now post-doc at university Aldo Moro, Bari

Publications:

(# corresponding author)

h-index: 16; Tot. citations: 4215

Average impact factor: 9,1

1. Biferali B, Bianconi V, Perez DF, Kronawitter SP, Marullo F, Maggio R, Santini T, Polverino F, Biagioni S, Summa V, Toniatti C, Pasini D, Stricker S, Di Fabio R, **Chiacchiera F**, Peruzzi G, Mozzetta C. (2021) Prdm16-mediated H3K9 methylation controls fibro-adipogenic progenitors identity during skeletal muscle repair. *Sci Adv.* 7(23):eabd9371
2. Bisso A, Filipuzzi M, Gamarra Figueroa GP, Brumana G, Biagioni F, Doni M, Ceccotti G, Tanaskovic N, Morelli MJ, Pendino V, **Chiacchiera F**, Pasini D, Olivero D, Campaner S, Sabò A, Amati B. (2020) Cooperation between MYC and β -catenin in liver tumorigenesis requires Yap/Taz. *Hepatology*. [Epub ahead of print]
3. Pivetti S, Fernandez-Perez D, D'Ambrosio A, Barbieri CM, Manganaro D, Rossi A, Barnabei L, Zanotti M, Scelfo A, **Chiacchiera F**, Pasini D[#]. (2019) Loss of PRC1 activity in different stem cell compartments activates a common transcriptional program with cell type-dependent outcomes. *Sci Adv.* 5(5):eaav1594.
4. **Chiacchiera F**, Pasini D. (2017) Control of Adult Intestinal Identity by the Polycomb Repressive Machinery. *Cell Cycle* 16(3):243-244
5. **Chiacchiera F**, Rossi A, ShriGanesh J, Zanotti M, Pasini D[#]. (2016) PRC2 preserves intestinal progenitors and restricts secretory lineage commitment. *Embo j.* 35(21):2301-2314
6. Rossi A, Ferrari KJ, Piunti A, ShriGanesh J, **Chiacchiera F**, Mazzarella L, Scelfo A, Pelicci PG, Pasini D[#]. (2016) Maintenance of leukemic cell identity by the activity of the polycomb complex PRC1 in mice. *Sci Adv.* 2(10): e1600972
7. **Chiacchiera F**, Rossi A, ShriGanesh J, Piunti A, Scelfo A, Ordonez-Morànx P, Huelsken J, Koseki H, Pasini D[#]. (2016) Polycomb Complex PRC1 preserves intestinal stem cell identity by sustaining Wnt/ β -catenin transcriptional activity. *Cell Stem Cell*, 18(1):91-103
8. Klionsky DJ, et al. (2016) Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy* 12(1):1-222
9. Lavorgna G, **Chiacchiera F**, Briganti A, Montorsi F, Pasini D, Salonia A (2015) Expression-profiling of apoptosis induced by ablation of the long ncRNA TRPM2-AS in prostate cancer cell. *Genomics Data* 3: 4-5
10. Orfanelli U, Jachetti E, **Chiacchiera F**, Grioni M, Brambilla P, Briganti A, Freschi M, Martinelli-Boneschi F, Doglioni C, Montorsi F, Bellone M, Casari G, Pasini D, Lavorgna G. [#] (2015) Antisense transcription at the TRPM2 locus as a novel prognostic marker and therapeutic target in prostate cancer. *Oncogene* 34(16):2094-102
11. Simonatto M, Marullo F, **Chiacchiera F**, Musarò A, Wang JYJ, Latella L, Puri PL. [#] (2013) DNA damage-activated ABL-MyoD signaling contributes to DNA repair in skeletal myoblasts. *Cell Death Differ.* 20(12):1664-74

12. **Chiacchiera F**, Piunti A, Pasini D. # (2013) Epigenetic methylations and their connections with metabolism. *Cell Mol Life Sci.* 70(9):1495-508
13. Vella P, Scelfo A, Jammula S, **Chiacchiera F**, Williams K, Cuomo A, Roberto A, Christensen J, Bonaldi T, Helin K, Pasini D. (2013) Tet Proteins Connect the O-Linked N-acetylglucosamine Transferase Ogt to Chromatin in Embryonic Stem Cells. *Mol Cell.* 49(4):645-56
14. Peserico A, **Chiacchiera F**, Grossi V, Matrone A, Latorre D, Simonatto M, Fusella A, Ryall JG, Finley LW, Haigis MC, Villani G, Puri PL, Sartorelli V, Simone C.# (2013) A novel AMPK-dependent FoxO3A-SIRT3 intramitochondrial complex sensing glucose levels. *Cell Mol Life Sci.* 70(11):2015-29
15. **Chiacchiera F** #, Grossi V, Cappellari M, Peserico A, Simonatto M, Germani A, Russo S, Moyer MP, Resta N, Murzilli S, Simone C. # (2012) Blocking p38/ERK crosstalk affects colorectal cancer growth by inducing apoptosis in vitro and in preclinical mouse models. *Cancer Lett.* 324(1):98-108.
16. **Chiacchiera F**, Simone C. #, (2010) The AMPK-FoxO3A axis as a target for cancer treatment. *Cell Cycle* 9(6):1091-1096
17. Matrone A, Grossi V, **Chiacchiera F**, Fina E, Cappellari M, Caringella AM, Di Naro E, Loverro G, Simone C. # (2010) p38alpha is required for ovarian cancer cell metabolism and survival. *Int J Gynecol Cancer.* 20(2):203-11.
18. **Chiacchiera F**, Matrone A, Ferrari E, Ingravallo G, Lo Sasso G, Murzilli S, Petruzzelli M, Salvatore L, Moschetta A, Simone C.# (2009) p38alpha blockade inhibits colorectal cancer growth in vivo by inducing a switch from HIF1alpha- to FoxO-dependent transcription. *Cell Death Differ.* 16:1203-14.
19. **Chiacchiera F**, Simone C.# (2009) Inhibition of p38alpha unveils an AMPK-FoxO3A axis linking autophagy to cancer-specific metabolism. *Autophagy* 5:1030-3.
20. **Chiacchiera F**, Simone C.# (2009) Signal-dependent control of autophagy-related gene expression. *Methods Enzymol.* 453:305-24.
21. Lunardi A, **Chiacchiera F**, D'Este E, Carotti M, Dal Ferro M, Di Minin G, Del Sal G, Collavin L.# (2009) The evolutionary conserved gene C16orf35 encodes a nucleocytoplasmic protein that interacts with p73. *Biochem Biophys Res Commun.* 388(2):428-33
22. **Chiacchiera F**, Simone C.# (2008) Signal-dependent regulation of gene expression as a target for cancer treatment: inhibiting p38alpha in colorectal tumors. *Cancer Lett.* 265:16-26.
23. Mauri F, McNamee LM, Lunardi A, **Chiacchiera F**, Del Sal G, Brodsky MH, Collavin L.# (2008) Modification of Drosophila p53 by SUMO modulates its transactivation and pro-apoptotic functions. *J Biol Chem.* 283(30):20848-56

PERSONAL INFORMATION

Michael Pancher



WORK EXPERIENCE

September 2017 – today

PTA a tempo indeterminato

Center for Integrative Biology CIBIO, University of Trento, via Sommarive n. 9, 38123 Povo (TN) Italy

- Facility Manager in High Throughput Screening and Validation Core Facility, the main tasks were to provide technological support for CIBIO researchers, including microarrays analysis, HTS and HCS assay, R&D activity, management of siRNA and small molecules libraries, development of automatized procedures using liquid handling instruments, maintenance of instruments and management of laboratory issues.

[HTS Core Facility, Academic Research](#)

August 2016 – August 2017

Co.co.co.

Center for Integrative Biology CIBIO, University of Trento, via Sommarive n. 9, 38123 Povo (TN) Italy

- Facility Manager in High Throughput Screening and Validation Core Facility, the main tasks were to provide technological support for CIBIO researchers, including microarrays analysis, HTS and HCS assay, R&D activity, management of siRNA and small molecules libraries, development of automatized procedures using liquid handling instruments, maintenance of instruments and management of laboratory issues.

[HTS Core Facility, Academic Research](#)

July 2015 – July 2016

Co.co.co.

Center for Integrative Biology CIBIO, University of Trento, via Sommarive n. 9, 38123 Povo (TN) Italy

- Facility Manager in High Throughput Screening and Validation Core Facility, the main tasks were to provide technological support for CIBIO researchers, including microarrays analysis, HTS and HCS assay, R&D activity, management of siRNA and small molecules libraries, development of automatized procedures using liquid handling instruments, maintenance of instruments and management of laboratory issues.

[HTS Core Facility, Academic Research](#)

July 2013 – July 2015

Co.co.co.

Center for Integrative Biology CIBIO, University of Trento, via Sommarive n. 9, 38123 Povo (TN) Italy

- Facility Manager in High Throughput Screening Core Facility within the project AGER MELO aimed to unravel the effects of apple's polyphenols on human health. Beside the research activity related to this project, the main tasks were to provide technological support for CIBIO researchers, including microarrays analysis, HTS and HCS assay, R&D activity, management of siRNA and small molecules libraries, development of automatized procedures using liquid handling instruments, maintenance of instruments and management of laboratory issues.

[HTS Core Facility, Academic Research](#)

July 2010 – March 2013

Co.co.co.

Fondazione Edmund Mach, S. Michele all'Adige, [Via E. Mach, 1 38010 S. Michele all'Adige \(TN\)](#) , Italy

- Research technician in a research group working on the project MECAGrAFic (Microbial Endophytic Communities Associated with Grapevines And Functional Analysis of Their Interaction With Plants). The project's focus was the analysis of grapevine endophytic microbial populations and their biotechnological potential, through classical microbiology, molecular analysis and metagenomics. [Research on Plant and Environmental protection](#)

January 2009 – February 2010

Co.co.pro.

Molecular Stamping s.r.l. Trento, via Sommarive n. 18, 38123 Povo (TN) Italy

- Research technician in R&D team, analysis and development of a new generation of microarray chips. Development of sample preparation and hybridization procedures, analysis protocol and technology. [R&D in Biotech Spin-off](#)

EDUCATION AND TRAINING

October 2005 – October 2008

Laurea in Tecniche di Laboratorio Biomedico

Level 6

Faculty of Medicine and Surgery, University of Verona, Italy

- Biomedical and biotechnological analysis, biochemistry, microbiology and virology, pharmacology and toxicology , immunology and clinical pathology.

September 2000 – July 2005

Maturità Scientifico-Tecnologica

Level 4

Istituto Tecnico Industriale Michelangelo Buonarroti, Trento, Italy

- Laboratory of Chemistry, Physics and Biology, Informatics and Electronic systems.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1
Replace with name of language certificate. Enter level if known.					
German	A1	A2	A1	A1	A1
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

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Organisational / managerial skills

- Management of laboratory issues
- Assay development and problem solving skills
- Organization and promotion of public events

- Job-related skills
- Good knowledge of quality control processes
 - Good knowledge of standard laboratory procedures

Digital skills

ECDL full standard

ADDITIONAL INFORMATION

Publications

- **Identification of compounds inhibiting prion replication and toxicity by removing PrP C from the cell surface.**
Silvia Biggi , Michael Pancher , Claudia Stincardini , Silvia Luotti , Tania Massignan, Andrea Dalle Vedove, Andrea Astolfi, Pamela Gatto, Graziano Lolli, Maria Letizia Barreca, Valentina Bonetto, Valentina Adami, Emiliano Biasini.
[J Neurochem. 2020 Jan;152\(1\):136-150. doi: 10.1111/jnc.14805. Epub 2019 Jul 18.](#)
- **Automated in vivo screen in zebrafish identifies Clotrimazole as targeting a metabolic vulnerability in a melanoma model.**
Francesca Precazzini, Michael Pancher, Pamela Gatto, Ada Tushe, Valentina Adami, Viviana Anelli, Maria Caterina Mione
[Dev Biol. 2020 Jan 15;457\(2\):215-225. doi: 10.1016/j.ydbio.2019.04.005. Epub 2019 Apr 15.](#)
- **Apigenin rich- Limonium duriusculum (de Girard) Kuntze promotes apoptosis in HCT116 cancer cells.**
Meriem Hadjer Hamadou, Messaoud Kerkatou, Pamela Gatto, Michael Pancher Alessandra Bisio, Alberto Inga, Ahmed Menad, Samir Benayache, Fadila Benayache, Souad Ameddah
[Nat Prod Res. 2019 Oct 9;1-5. doi: 10.1080/14786419.2019.1672070. Online ahead of print.](#)
- **A High-Content Screening of Anticancer Compounds Suggests the Multiple Tyrosine Kinase Inhibitor Ponatinib for Repurposing in Neuroblastoma Therapy**
Viktoryia Sidarovich, Marilena De Mariano, Sanja Aveic, Michael Pancher, Valentina Adami, Pamela Gatto, Silvia Pizzini, Luigi Pasini, Michela Croce, Federica Parodi, Flora Cimmino, Marianna Avitabile, Laura Emionite, Michele Cilli, Silvano Ferrini, Aldo Pagano, Mario Capasso, Alessandro Quattrone, Gian Paolo Tonini, Luca Longo
[Mol Cancer Ther . 2018 Jul;17\(7\):1405-1415. doi: 10.1158/1535-7163.MCT-17-0841. Epub 2018 Apr 25.](#)

- **An antipsychotic drug exerts anti-prion effects by altering the localization of the cellular prion protein**
 Claudia Stincardini , Tania Massignan , Silvia Biggi, Saioa R Elezgarai, Valeria Sangiovanni, Ilaria Vanni, Michael Pancher, Valentina Adami, Jorge Moreno, Matteo Stravalaci, Giulia Maietta, Marco Gobbi, Alessandro Negro, Jesús R Requena, Joaquín Castilla, Romolo Nonno, Emiliano Biasini
[PLoS One. 2017 Aug 7;12\(8\):e0182589. doi: 10.1371/journal.pone.0182589. eCollection 2017.](https://doi.org/10.1371/journal.pone.0182589)
- **Temperature drives the assembly of endophytic communities' seasonal succession.**
 Campisano A., Albanese D., Yousaf S., Pancher M., Donati C., Pertot I.
[Environ Microbiol. 2017 Aug;19\(8\):3353-3364. doi: 10.1111/1462-2920.13843. Epub 2017 Jul 24.](https://doi.org/10.1111/1462-2920.13843)
- **The GSK3 β inhibitor BIS I reverts YAP-dependent EMT signature in PDAC cell lines by decreasing SMADs expression level.**
 Thongon N., Castiglioni I., Zucal C., Latorre E., D'Agostino V., Bauer I., Pancher M., Ballestrero A., Feldmann G., Nencioni A., Provenzani A.
[Oncotarget. 2016 May 3;7\(18\):26551-66. doi: 10.18632/oncotarget.8437.](https://doi.org/10.18632/oncotarget.8437)
- **Transcriptional induction of the heat shock protein B8 mediates the clearance of misfolded proteins responsible for motor neuron diseases.**
 Crippa V., D'Agostino V., Cristofani R., Rusmini P., Cicardi ME., Messi E., Loffredo R., Pancher M., Piccolella M., Galbiati M., Meroni M., Cereda C., Carra S., Provenzani A., Poletti A.
[Sci Rep. 2016 Mar 10;6:22827. doi: 10.1038/srep22827.](https://doi.org/10.1038/srep22827)
- **Combined amendment of immobilizers and the plant growth-promoting strain Burkholderia phytofirmans PsJN favours plant growth and reduces heavy metal uptake.**
 Touceda-González M., Brader G., Antonielli L., Balakrishnan Ravindran V., Waldner G., Friesl-Harl W., Corretto E., Campisano A., Pancher M., Sessitsch A.
[Soil Biology and Biochemistry Volume 91, December 2015, Pages 140-150](https://doi.org/10.1007/s11104-015-2410-1)
- **Whole-genome comparative analysis of virulence genes unveils similarities and differences between endophytes and other symbiotic bacteria.**
 Lòpez-Fernàndez S., Sonogo P., Moretto M., Pancher M., Engelen K., Pertot I., Campisano A. *Front Microbiol.* 2015 May 26;6:419. doi: 10.3389/fmicb.2015.00419. eCollection 2015.
- **Bacterial endophytic communities in the grapevine depend on pest management.**
 Campisano A., Antonielli L., Pancher M., Yousaf S., Pindo M., Pertot I.
[PLoS One. 2014 Nov 11;9\(11\):e112763. doi: 10.1371/journal.pone.0112763. eCollection 2014.](https://doi.org/10.1371/journal.pone.0112763)
- **Pyrosequencing detects human and animal pathogenic taxa in the grapevine endosphere.**
 Yousaf S., Bulgari D., Bergna A., Pancher M., Quaglino F., Casati P., Campisano A..
[Front Microbiol. 2014 Jul 8;5:327. doi: 10.3389/fmicb.2014.00327. eCollection 2014.](https://doi.org/10.3389/fmicb.2014.00327)
- **Resilience of the natural phyllosphere microbiota of the grapevine to chemical and biological pesticides.**
 Perazzolli M, Antonielli L, Storari M, Puopolo G, Pancher M, Giovannini O, Pindo M, Pertot I.
[Appl Environ Microbiol. 2014 Jun;80\(12\):3585-96.](https://doi.org/10.1186/1475-2875-96)
- **Interkingdom Transfer of the Acne-Causing Agent, Propionibacterium acnes, from Human to Grapevine.**
 Campisano A., Ometto L., Compant S., Pancher M., Antonielli L., Yousaf S., Varotto C., Anfora G., Pertot I., Sessitsch A., Rota-Stabelli O.
[Mol Biol Evol. 2014 May;31\(5\):1059-65. doi: 10.1093/molbev/msu075. Epub 2014 Feb 19.](https://doi.org/10.1093/molbev/msu075)
- **Diversity in Endophyte Populations Reveals Functional and Taxonomic Diversity between Wild and Domesticated Grapevines.**
 Campisano A., Pancher M., Puopolo G., Puddu A., Lòpez-Fernàndez S., Biagini B., Yousaf S., Pertot I.
[Am J Enol Vitic. February 2015 66: 12-21; published ahead of print October 30, 2014 ; DOI: 10.5344/ajev.2014.14046.](https://doi.org/10.5344/ajev.2014.14046)
- **Fungal Endophytic Communities in Grapevines (Vitis vinifera L.) Respond to Crop Management.**
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Courses

- ***Assistant on the High Throughput Screening Course in th International PhD Program in Biomolecular Science, Year 2015-2016***

In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document

Michael Pancher