PERSONAL DETAILS

Valentina Trapani

valentina.trapani@unicamillus.org

PROFESSIONAL ACTIVITIES

Since October 2024
Associate Professor
MED/04 General Pathology
UniCamillus-Saint Camillus International University of Health Sciences, Rome

6th June 2022
National Scientific Qualification as Associate Professor
06/A2 General Pathology and Clinical Pathology
(Valid until 6/6/2033)

October 2020 - present
Adjunct Professor
MED/04 General Pathology
Università Cattolica del Sacro Cuore, Rome

Scientific Officer
Alleanza contro il Cancro, Rome

October 2015 - September 2020
Assistant Professor
MED/04 General Pathology
Università Cattolica del Sacro Cuore, Rome

November 2014 - October 2015
Research Fellow
Istituto di Studi Superiori Giuseppe Toniolo, Rome

November 2011 - October 2014
Research Fellow
MED/04 General Pathology
Università Cattolica del Sacro Cuore, Rome

October 2010 - October 2011
Tutor
General and Applied Pathology, BSc Health Biotechnologies
Università Cattolica del Sacro Cuore, Rome

February 2005 - September 2010
Research Associate
Istituto di Patologia generale
Università Cattolica del Sacro Cuore, Rome

January 2003-January 2005
AIRC (Italian Association for Cancer Research) Fellow
Consorzio Mario Negri Sud, Santa Maria Imbaro (CH)

INTERNATIONAL EXPERIENCE

December 2019	Visiting professor Faculty of Medicine Cardinal Stefan Wyszyński University, Warsaw, Polonia
March - July 2006	Visiting scientist Department of Microbiology, Immunology and Genetics (Prof R. Schweyen) Max Perutz Laboratories, Vienna, Austria Study of magnesium transport in yeast and isolated mitochondria by biochemical and fluorimetric techniques
July - December 2000	Visiting scientist Division of Cancer Treatment and Diagnosis (Prof. E. Sausville) NCI, National Institutes of Health, Bethesda, MD; USA Study of signal transduction pathways modulated by developmental antitumor drugs by molecular biology techniques
May - July 2000	Visiting scientist Division of Cancer Treatment and Diagnosis (Prof. S. Stinson) National Cancer Institute, Frederick, MD, USA Characterization of the metabolism of developmental antitumor drugs by HPLC
November 1999 - October 2002	PhD Student Cancer Research Laboratories, School of Pharmacy (Prof. M. F. G. Stevens) University of Nottingham, UK Characterization of the mode of action of developmental antitumor drugs by cellular biology techniques
October 1998 - October 1999	MSc Student Cancer Research Laboratories, School of Medicine (Prof. C. Laughton) University of Nottingham, UK Characterization of the mode of action of developmental antitumor drugs by molecular modelling

EUROPEAN PROJECTS

Since April 2023	ECHoS: Establishing Cancer Mission Hubs: Networks and Synergies, Coordination and Support Action, HORIZON-MISS-2022-CANCER-01-05
Since November 2022	CAN HEAL: Building the EU Cancer and Health Genomics platform, Action Grant, EU4H-2021-PJ-15
Since October 2022	CraNE: EU Network of Comprehensive Cancer Centres: Preparatory activities on creation of National Comprehensive Cancer Centres and EU Networking, Joint Action, EU4H-2021-JA-IBA
Sep 2022-Nov 2023	4.UNCAN.eu: A Coordination and Support Action to prepare UNCAN.eu platform, Coordination and Support Action, HORIZON-MISS-2021-UNCAN-01-01
Since March 2021	TRANSCAN-3: Sustained collaboration of national and regional programmes in cancer research, ERA-NET Co-fund, H2020-SC1-BHC-2018-2020
Since October 2020	oncNGS: NGS diagnostics in 21st century oncology: the best, for all, at all time, Pre-commercial Procurement, H2020-SC1-BHC-2018-2020

TEACHING ACTIVITIES

Since 2021 — Residency seminars
Specialty of Radiotherapy and Specialty of Radiodiagnostics
Università Cattolica del Sacro Cuore, Rome

Oncology
MSc Phamacy
Università Cattolica del Sacro Cuore, Rome

Since 2020 — Ion Signaling and Cancer

MSc Cancer Physiopathology ***(English-taught)***
Université de Picardie Jules Verne, Amiens, France

General Pathology (cultore della materia)
Six-year degree program in Medicine and Surgery
Università Cattolica del Sacro Cuore, Rome

Academic year 2019/2020 — General Pathology
BSc Nursing ***(English-taught)***
Uniwersytet Kardinala Stefana Wyszyńskiego, Warsaw, Poland

December 2018 — Member of the PhD Committee
Ecole Doctorale Science, Technologie et Santé
Université de Picardie Jules Verne, Amiens, France

Since 2018 — Molecular Pathology, Immunology and Pathophysiology (Practicals)
Six-year degree program in Medicine and Surgery ***(English-taught)***
Università Cattolica del Sacro Cuore, Rome

Since 2017 — General Pathology and Physiopathology (Practicals)
Six-year degree program in Medicine and Surgery
Università Cattolica del Sacro Cuore, Rome

Since 2014 — General and Molecular Pathology
BSc Logopedics, Midwifery, Physical Therapy, Biomedical Laboratory Techniques, and Radiology, Diagnostic Imaging and Radiotherapy Techniques
Università Cattolica del Sacro Cuore, Potenza and Rome

2012 - 2014 — General and Molecular Pathology
BSc Biomedical Laboratory Techniques
Università Cattolica del Sacro Cuore, Campobasso

2010 - 2011 General and Applied Pathology

BSc Health Biotechnologies

Università Cattolica del Sacro Cuore, Rome

- Instructor for practicals

Since 2009 Thesis Co-supervisor

BSc Health Biotechnologies and MSc Medical Biotechnologies

Università Cattolica del Sacro Cuore, Rome

- Research and thesis supervision for more than 10 students

Since 2008 General and Applied Pathology

BSc Health Biotechnologies

Università Cattolica del Sacro Cuore, Rome

- Demonstrator for practicals on live confocal imaging

Since 2007 General Pathology and Physiopathology

Six-year degree program in Medicine and Surgery

Università Cattolica del Sacro Cuore, Rome

- Demonstrator for practicals on histopathology

EDUCATION

2007 - 2010 PhD in Oncobiology and Medical Oncology

Università Cattolica del Sacro Cuore, Rome

- Study of magnesium transport in normal and tumor cells (Prof. F. I. Wolf)

1999-2002 PhD Pharmacy

University of Nottingham, UK

- The novel antitumour drug Phortress: from molecule to mechanism (Prof. M. F. G. Stevens)

1998-1999 MSc Oncology with distinction

University of Nottingham, UK

- The interaction of novel acridines with triplex DNA (Dr. C.A. Laughton)

1992-1997 MSc in Physics with distinction

Università Federico II, Naples

- Analysis of chromosomal aberrations induced by environmental pollution (Prof. G. Gialanella)

CONTINUING EDUCATION

27 Jan-5 Feb 2021 — Teacher Training Seminar on Active Learning

IDEAL + Programme, Rome

- an international Erasmus-funded teaching programme aiming to disseminate innovative teaching methods at the undergraduate level and enhance medical students' knowledge in Europe.

December 2019- June 2020 — Two2Tango - Tandems for teaching in the international classroom

Centre for Higher Education Internationalisation, Rome

- Enhancement of pedagogical, cultural and linguistic competences for teaching in the international classroom at the university level

January 2007 — Advanced Optical Microscopy Methods in Biophysics

School of Pure and Applied Biophysics, Venice

- Update on advanced optical microscopy techniques, including two-photon microscopy

June 2005 — Advanced Light Microscopy

FEBS Course, Semmering, Austria

- Update on live confocal imaging techniques

EDITORIAL ACTIVITIES

2019-present — Expert, Vice-Chair Quality Controller, Cross-reader and Rapporteur

European Commission, Horizon 2020 and Horizon Europe programmes

2018 — Guest Editor

Nutrients, MDPI

2018 — Expert Evaluator

MIUR (Italian Ministry of University and Research), PRIN 2017 programme

2017-2019 — Expert Evaluator

European Commission, Horizon 2020 programme

Since 2015 — Editorial Board Member

Magnesium Research, John Libbey

2015 — Expert Evaluator

Czech Science Foundation, Czech Republic

Since 2012 — Reviewer

The Analyst, Annals of Nutrition, Cardiovascular Research, Cells, Chemical Biology, Chemical Science, Chemotherapy, Current Medicinal Chemistry, Expert Opinion on Drug Discovery, International Journal of Cancer, International Journal of Molecular Sciences, Journal of Biomedical Optics, Journal of Experimental Cancer Research, Immunopharmacology, Magnesium Research, Nutrients, and many others

2007-2009 — Translator and editor of medical textbooks

Elsevier-Masson

AWARDS

2020 Special Mention

SDRM (International Society for the Development of Research on Magnesium)

▪ Award for the scientific contribution in magnesium research during 2018-19

2019 Sanofi Award

XV International Magnesium Symposium, NIH, Bethesda, MD, USA

▪ Sanofi Award for oral communication

2017 High-Quality Publication Award

Università Cattolica del Sacro Cuore, Rome

▪ Award for the best publication in UCSC according to bibliometric indices

2016 Best Oral Presentation Award

XIV International Magnesium Symposium, Rome

▪ Award for the best oral presentation

2002 Best Young Presenter Award

23rd Meeting of EORTC-PAMM Group, Copenhagen, Denmark

▪ Award for the best oral presentation by a young scientist

PUBLICATION STATISTICS

H-index	24 (*source: Scopus August 2024*)
Total papers	50
Book chapters	3
Conference abstracts	51
Invited oral communications	8

PEER-REVIEWED PUBLICATIONS

1. Fedele G, Castiglioni S, Trapani V, Zafferri I, Bartolini M, Casati S, Ciuffreda P, Wolf FI, Maier JA (2024). Impact of Inducible Nitric Oxide Synthase Activation on Endothelial Behavior under Magnesium Deficiency. Nutrients 16(10), 1406.
2. Puca P, Capobianco I, Coppola G, Di Vincenzo F, Trapani V, Petito V, Laterza L, Pugliese D, Lopetuso LR, Scaldaferri F. (2024) Cellular and Molecular Determinants of Biologic Drugs Resistance and Therapeutic Failure in Inflammatory Bowel Disease. Int J Mol Sci. 25(5):2789.
3. Wolf FI, Trapani V*. (2024). Magnesium and vitamin D in long COVID syndrome, do they help? Magnes Res. doi: 10.1684/mrh.2024.0521. Online ahead of print. *corresponding author
4. Wolf FI, Trapani V, Touyz R. (2022) Glasgow Magnesium Symposium 2022: Wrap up and depart. Magnes Res. 35(2):71-79.
5. Del Chierico F*, Trapani V*, Petito V, Reddel S, Pietropaolo G, Graziani C, Masi L, Gasbarrini A, Putignani L, Scaldaferri F, Wolf FI (2021). Dietary Magnesium

Alleviates Experimental Murine Colitis through Modulation of Gut Microbiota. Nutrients 13(12):4188. *co-first authors

6. Trapani V, Rosanoff A, Baniasadi S, Barbagallo M, Castiglioni S, Guerrero-Romero F, Iotti S, Mazur A, Micke O, Pourdowlat G, Scarpati G, Wolf FI, Maier JAM. (2021). The Relevance of Magnesium Homeostasis in COVID-19. Eur J Nutr 61(2):625-636.
7. Wolf FI, Maier JA, Rosanoff A, et al. (2021). The magnesium global network (MaGNet) to promote research on magnesium in diseases focusing on COVID-19. Magnes Res 34(2):90-92.
8. Pietropaolo G, Pugliese D, Armuzzi A, Guidi L, Gasbarrini A, Rapaccini GL, Wolf FI, Trapani V*. (2020). Magnesium Absorption in Intestinal Cells: Evidence of Cross-Talk between EGF and TRPM6 and Novel Implications for Cetuximab Therapy. Nutrients 12: 3277. *corresponding author.
9. Pugliese D, Armuzzi A, Castri F, Benvenuto R, Mangoni A, Guidi L, Gasbarrini A, Rapaccini GL, Wolf FI, Trapani V*. (2020). TRPM7 Is Overexpressed in Human IBD-Related and Sporadic Colorectal Cancer and Correlates with Tumor Grade. Dig Liver Dis 52: 1188-1194. *corresponding author
10. Trapani V*, Wolf FI. The TRPM7 channel kinase: rekindling an old flame or not? (2020) Cardiovascular Research 116: 476-478. *corresponding author
11. Trapani V*, Wolf FI. (2019) Dysregulation of Mg2+ homeostasis contributes to acquisition of cancer hallmarks. Cell Calcium 83: 102078. *corresponding author
12. Luongo F, Pietropaolo G, Gautier M, Dhennin-Duthille I, Ouadid–Haidouch H, Wolf FI, Trapani V.* (2018) TRPM6 Is Essential for Magnesium Uptake and Epithelial Cell Function in the Colon. Nutrients 10: 784. *corresponding author
13. Trapani V, Petito V, Di Agostini A, Arduini D, Hamersma W, Pietropaolo G, Luongo F, Arena V, Stigliano E, Lopetuso, LR, Gasbarrini A, Wolf FI, Scaldaferri F. (2018). Dietary magnesium alleviates experimental murine colitis through upregulation of the transient receptor potential melastatin 6 channel. Inflam Bowel Dis. 24: 2198-2210.
14. Luzzani GA, Callero MA, Kuruppu AI, Trapani V, Flumian C, Todaro L, Bradshaw TD, Loaiza Perez, AI. (2017) In vitro antitumor effects of AhR ligands Aminoflavone (AFP 464) and Benzothiazole (5F 203) on human renal carcinoma cells. J Cell Biochem 118: 4526-4535.
15. Cazzaniga A, Moscheni C, Trapani V, Wolf FI, Farruggia G, Sargenti A, Iotti S, Maier JAM, Castiglioni S. (2017). The different expression of TRPM7 and MagT1 impacts on the proliferation of colon carcinoma cells sensitive or resistant to doxorubicin. Sci Rep 7: 40538.
16. Trapani V*, Luongo F, Arduini D, Wolf FI. (2016). Magnesium modulates doxorubicin activity through drug lysosomal sequestration and trafficking. Chem Res Toxicol 29: 317-322. *corresponding author
17. Castiglioni S, Cazzaniga A, Trapani V, Cappadone C, Farruggia G, Merolle L, Wolf FI, Iotti I, Maier JAM. (2015). Magnesium homeostasis in colon carcinoma LoVo cells sensitive or resistant to doxorubicin. Sci Rep 5: 16538.
18. Trapani V*, Wolf FI, Scaldaferri F. (2015). Dietary magnesium: the magic mineral that protects from colon cancer. Magnes Res 28: 108-111. *corresponding author
19. Trapani V*, Wolf FI (2015). Mitochondrial magnesium to the rescue. Magnes Res 28: 79-84. *corresponding author
20. Trapani V*, Shomer N, Rajcan-Separovic E (2015). The role of MAGT1 in genetic syndromes. Magnes Res 28: 46-55. *corresponding author
21. Trapani V, Arduini D, Luongo F, Wolf FI (2014). EGF stimulates Mg2+ influx in

mammary epithelial cells. Biochem Biophys Res Commun, 454: 572-575.
22. Qiao Y*, Mondal K*, Trapani V*, Wen J, Carpenter G, Wildin R, Price ME, Gibbons RJ, Eichmeyer J, Jiang R, DuPont B, Martell S, Lewis SME, Robinson WP, O'Driscoll M, Wolf FI, Zwick ME, Rajcan-Separovic E. (2014) Variant ATRX syndrome with dysfunction of ATRX and MAGT1 genes. Human Mutation, 35(1): 58-62. *co-first authors
23. Trapani V, Arduini D, Cittadini A, Wolf FI (2013). From magnesium to magnesium transporters in cancer: TRPM7, a novel signature in tumour development. Magnes Res, 26(4): 149-155.
24. Wolf FI, Trapani V. (2012) Magnesium and its transporters in cancer: a novel paradigm in tumour development. Clin Sci 123(7): 417-427.
25. Marraccini C, Farruggia G, Lombardo M, Prodi L, Sgarzi M, Trapani V, Trombini C, Zaccheroni N, Wolf FI, Iotti S. (2012) Diaza-18-crown-6 hydroxyquinoline derivatives as flexible tools for the assessment and imaging of total intracellular magnesium. Chem Sci 3: 727-734.
26. Trapani V, Schweigel-Roentgen M, Cittadini A, Wolf FI. (2012). Intracellular magnesium detection by fluorescent indicators. Methods Enzymol 505: 421-444.
27. Lagomarsino S, Iotti S, Farruggia G, Cedola A, Trapani V, Fratini M, Bukreeva I, Notargiacomo A, Mastrototaro L, Marraccini C, Sorrentino A, McNulty I, Vogt S, Legnini D, Kim S, Gianoncelli A, Maier JAM, Wolf FI. (2011) Intracellular concentration map of magnesium in whole cells by combined use of X-ray fluorescence microscopy and atomic force microscopy. Spectrochim Acta B 66: 834-840.
28. Mastrototaro L, Trapani V, Boninsegna A, Martin H, Devaux S, Berthelot A, Cittadini A, Wolf FI. (2011). Dietary Mg2+ regulates the epithelial Mg2+ channel TRPM6 in rat mammary tissue. Magnesium Res 24: S122-9.
29. Wolf FI, Trapani V. (2011). MagT1: a highly specific magnesium channel with important roles beyond cellular magnesium homeostasis. Magnesium Res 24: S86-S91.
30. Wolf FI, Trapani V. (2010) TRPM7 and magnesium, metabolism, mitosis: an old path with new pebbles. Cell Cycle 9: 3399.
31. Trapani V, Farruggia G, Marraccini C, Iotti S, Cittadini A, Wolf FI. (2010) Intracellular magnesium detection: imaging a brighter future. Analyst 135: 1855-1866.
32. Wolf FI, Trapani V, Simonacci M, Mastrototaro L, Cittadini A, Schweigel M. (2010) Modulation of TRPM6 and Na+/Mg2+ exchange in mammary epithelial cells in response to variations of magnesium availability. J Cell Physiol 222 (2): 374-381.
33. Wolf FI, Trapani V, Cittadini A, Maier JAM. (2009) Hypomagnesaemia in oncologic patients: to treat or not to treat? Magnesium Res 22: 5-9.
34. Wolf FI, Trapani V. (2009) Multidrug resistant phenotypes and MRS2 mitochondrial magnesium channel: two players from one stemness? Cancer Biol Ther 8: 60-62.
35. Wolf FI, Trapani V, Simonacci M, Boninsegna A, Mazur A, Maier JAM (2009) Magnesium deficiency affects mammary epithelial cell proliferation: involvement of oxidative stress. Nutr Cancer 61(1): 131-6.
36. Farruggia G, Iotti S, Prodi L, Zaccheroni N, Montalti M, Andreani G, Trapani V, Wolf FI. (2009) A simple spectrofluorimetric assay to measure total intracellular magnesium by a hydroxyquinoline derivative. J Fluoresc 19: 11-19.
37. Wolf FI, Trapani V, Cittadini A. (2008) Magnesium and the control of cell proliferation: looking for a needle in a haystack. Magnesium Res 21: 1-9.
38. Wolf FI, Trapani V, Simonacci M, Ferré S, Maier JAM. (2008) Magnesium

deficiency and endothelial disfunction: is oxidative stress involved? Magnesium Res 21: 58-64.
39. Wolf FI, Trapani V. (2008) Cell (patho)physiology of magnesium. Clin Sci 4(1): 27-35.
40. Bradshaw TD, Stone EL, Trapani V, Leong C-O, Matthews CS, Te Poele R, Stevens MF. (2008) Mechanisms of acquired resistance to 2-(4-Amino-3-methylphenyl)benzothiazole in breast cancer cell lines. Breast Cancer Res Treat 110(1): 57-68.
41. Farruggia G, Iotti S, Prodi L, Montalti M, Zaccheroni N, Savage PB, Trapani V, Sale P, Wolf FI (2006) 8-Hydroxyquinoline derivatives as fluorescent sensors for magnesium in living cells. J Am Chem Soc 128: 344-350.
42. Buccione R, Baldassarre M, Trapani V, Catalano C, Pompeo A, Brancaccio A, Giavazzi R, Luini A, Corda D. (2005) Glycerophosphoinositols inhibit extracellular matrix invasion by tumour cells. Eur J Cancer 41: 470-476.
43. Brantley E, Patel V, Stinson SF, Trapani V, Hose CD, Ciolino HP, Yeh GC, Gutkind JS, Sausville EA, Loaiza-Pérez AI. (2005). The antitumor drug candidate 2-(4-amino-3-methylphenyl)-5-fluorobenzothiazole induces NF-κB activity in drug-sensitive MCF-7 cells. Anticancer Drugs 16: 137-143.
44. Missailidis S, Modi C, Trapani V, Laughton CA, Stevens MFG. (2005) Antitumor Polycyclic Acridines. Part 16. Triplex DNA as a Target for DNA-Binding Polycyclic Acridine Derivatives. Oncol Res 15: 95-105.
45. Brantley E, Trapani V, Alley MC, Hose CD, Bradshaw TD, Stevens MFG, Stinson SF. (2004). Fluorinated 2-(4-amino-3-methylphenyl)benzothiazoles induce CYP1A1 expression, become metabolised and bind to macromolecules in sensitive human cancer cells. Drug Metab Dispos 32: 1392-1401.
46. Trapani V, Patel V, Leong C-O, Ciolino HP, Yeh GC, Hose CD, Trepel JB, Stevens MFG, Sausville EA, Loaiza-Pérez A.I. (2003) A role for the aryl hydrocarbon receptor in mediating DNA damage and S phase arrest in MCF-7 cells induced by antitumour benzothiazoles. Br J Cancer 88: 599-605.
47. Bradshaw TD, Chua M-S, Browne HL, Trapani V, Sausville EA, Stevens MFG. (2002) In vitro evaluation of amino acid prodrugs of novel antitumour 2-(4-amino-3-methylphenyl) benzothiazoles. Br J Cancer 86: 1348-1354.
48. Bradshaw TD, Trapani V, Vasselin D, Westwell A. (2002) The aryl hydrocarbon receptor in anticancer drug discovery: friend or foe? Curr Pharm Des 8: 2475-2490.
49. Loaiza-Pérez AI, Trapani V, Hose CD, Singh SS, Trepel JB, Stevens MFG, Bradshaw TD, Sausville EA. (2002) The aryl hydrocarbon receptor mediates sensitivity of MCF-7 breast cancer cells to the antitumour agent 2-(4-amino-3-methylphenyl)benzothiazole. Mol Pharmacol 61: 13-19.
50. Hutchinson I, Chua M-S, Browne HL, Trapani V, Bradshaw TD, Westwell AD, Stevens MFG. (2001) Antitumour benzothiazoles. 14. Synthesis and in vitro biological properties of fluorinated 2-(4-aminophenyl)benzothiazoles. J Med Chem 44: 1446-1455.

INVITED ORAL COMMUNICATIONS

1. Magnesium for a healthy gut microbiota. II Workshop on Magnesium in Neuroscience, online virtual meeting, 28-29 May 2021.
2. Dietary magnesium alleviates murine colitis through upregulation of TRPM6 and modulation of intestinal microbiota. XV International Magnesium Symposium, Bethesda, USA, 20-22 March 2019.
3. Magnesium and muscle function, Magnesium in Neuroscience, Krakow, Poland, 20-21 April 2018.
4. Magnesium modulates doxorubicin activity through drug lysosomal sequestration and trafficking, XIV International Magnesium Symposium, Rome, 23-24 June 2016.
5. Magnesium modulates doxorubicin activity through drug lysosomal sequestration and trafficking. Magnesium in Translational Medicine, Liptovsky Mikulas, Slovakia, 19-20 February 2016.
6. Intracellular magnesium measurements by live cell imaging: challenges and promises. Magnesium in Translational Medicine, Smolenice, Slovaia, 11-15 May 2014.
7. Expression of TRPM6 and MRS2 magnesium channels in normal and tumor mammary epithelial cells. 2nd International Meeting “Ion Channels and Cancer”, Florence, 3-6 March 2010.
8. The aryl hydrocarbon receptor mediates sensitivity of MCF-7 breast cancer cells to the antitumour agent 2-(4-amino-3-methylphenyl)benzothiazole. 23rd Meeting of EORTC-PAMM Group, Copenaghen, Denmark, 23-26 January 2002.

BOOK CHAPTERS

1. R. De Maria, V. Trapani. La rivoluzione digitale per un sistema globale di gestione della salute. 13° rapporto FAVO sulla condizione assistenziale dei malati oncologici. 2021
2. V. Trapani, F.I. Wolf. Tumor development through the Mg2+nifying glass. In: Essential and non-essential metals. Carcinogenesis, prevention and cancer therapeutics, eds. Mudipalli & Zelikoff, pp 19-38, Humana Press, 2017.
3. V. Trapani, L. Mastrototaro, F.I. Wolf. Magnesium and the Yin-Yang interplay in apoptosis. In: Magnesium in the central nervous system, eds. Vink & Nechifor, pp 85-98, University of Adelaide Press, 2011.

ABSTRACTS

1. Trapani V, Wolf FI. Magnesium for a healthy gut microbiota. II Workshop on Magnesium in Neuroscience. Online virtual meeting, 28-29 Maggio 2021.
2. Trapani V., Petito V., Quagliariello A., Pietropaolo G., Reddel S., Del Chierico F., Putignani L., Gasbarrini A., Scaldaferri F., Wolf FI. Dietary magnesium alleviates murine colitis through upregulation of TRPM6 and modulation of intestinal microbiota. XV International Magnesium Symposium “Magnesium in Health and Disease”, Bethesda, USA, 20-22 Marzo 2019.
3. Pietropaolo G., Pugliese D., Luongo F., Wolf FI., Trapani V. Cetuximab impacts on magnesium uptake in the colon. XV International Magnesium Symposium “Magnesium in Health and Disease”, Bethesda, USA, 20-22 Aprile 2019.
4. Petito C, Petito V, Ferrarese D, Graziani C, Trapani V, Lopetuso LR, Rizzatti G, Laterza L, Puca P, Presutti S, Giorgio ME, Wolf F, Camardese G, Gasbarrini A, Scaldaferri F.

Behavioural disorders and magnesemia in Inflammatory Bowel Disease (IBD): a proof of concept study. UEG Week 2018, Vienna, Austria, 20-24 Ottobre, 2018.

5. Scaldaferri F, Petito V, Ferrarese D, Petito C, Trapani V, Camardese G, Gasbarrini A, Wolf FI. Low levels of magnesemia induce psychiatric comorbidity in patients with inflammatory bowel disease. Magnesium in Neuroscience workshop, Cracovia, Polonia, 20-21 Aprile 2018.
6. Trapani V, Luongo F, Pietropaolo G, Wolf FI. Magnesium and muscle function. Magnesium in Neuroscience workshop, Cracovia, 20-21 Aprile 2018.
7. Petito V, Trapani V, Luongo F, Pietropaolo G, Petito C, Graziani C, Lopetuso LR, Arena V, Gasbarrini A, Scaldaferri F, Wolf FI. Effect of inflammation on muscle in a murine colitis model: the contribution of magnesium. Magnesium in Neuroscience workshop, Cracovia, 20-21 Aprile 2018.
8. Luongo F, Trapani V, Petito V, Pietropaolo G, Wolf FI. Investigating the functional role of TRPM6 in colon mucosa. Magnesium in Neuroscience workshop, Cracovia, 20-21 Aprile 2018.
9. Trapani V, Luongo F, Arduini D, Wolf FI. Magnesium modulates doxorubicin activity through drug lysosomal sequestration and trafficking. XIV International Magnesium Symposium, Rome, Italy, 23-24 Giugno 2016.
10. Arduini D, Petito V, Hamersma W, Trapani V, Di Agostini A, Gasbarrini A, Scaldaferri F, Wolf FI. Magnesium in inflammatory bowel diseases: expression of magnesium transporters. XIV International Magnesium Symposium, Roma, 23-24 Giugno 2016.
11. Petito V, Arduini D, Trapani V, Hamersma W, Luongo F, Graziani C, Arena V, Gasbarrini A, Scaldaferri F, Wolf FI. Magnesium in inflammatory bowel disease: a Cinderella story. XIV International Magnesium Symposium, Roma, 23-24 Giugno 2016.
12. Petito V, Trapani V, Luongo F, Arduini D, Graziani C, Lopetuso LR, Arena V, Gasbarrini A, Scaldaferri F, Wolf FI. Effect of inflammation on muscle function in a murine colitis model: the contribution of magnesium. XIV International Magnesium Symposium, Roma, 23-24 Giugno 2016.
13. Luongo F, Trapani V, Dhennin-Dhutille I, Gautier M, Oudid-Ahidouch H, Wolf FI. Expression and activities of magnesium-specific ion channels in colon carcinoma cells. XIV International Magnesium Symposium, Rome, Italy, 23-24 Giugno 2016.
14. Trapani V, Luongo F, Arduini D, Wolf FI. Magnesium modulates doxorubicin activity through drug lysosomal sequestration and trafficking. Magnesium in translational medicine, Liptovsky Mikulas, Slovacchia, 19-20 febbraio 2016.
15. Scaldaferri F, Petito V, Arduini D, Hamersma W, Trapani V, Poscia A, Arena V, Stigliano E, Di Agostini A, Wolf FI, Gasbarrini A. Magnesium in inflammatory bowel disease: an unexpected player. United European Gastroenterology Week, Barcellona, Spagna, 24-28 Ottobre 2015.
16. Scaldaferri F, Petito V, Trapani V, Lopetuso L, Scannone D, Boninsegna A, Sgambato A, Wolf FI, Gasbarrini A. Differential expression of TRPM6 and TRPM7 following intestinal inflammation: emerging new pathways of chronic inflammation and diarrhea. United European Gastroenterology Week, Vienna, Austria, 20-22 Ottobre 2014.
17. Trapani V, Arduini D, Luongo F, Wolf FI. Intracellular magnesium measurements by live cell imaging: challenges and promises. Magnesium in translational medicine, Smolenice, Slovacchia, 11-15 maggio 2014. Magnesium Research 27, 197-8.
18. Cazzaniga A, Castiglioni S, Merolle L, Trapani V. Resistance to doxorubicin impairs the proliferation of colon carcinoma LoVo cells via downregulation of TRPM7. Magnesium in translational medicine, Smolenice, Slovacchia, 11-15 maggio 2014. Magnesium Research 27, 199.
19. Trapani V, Scaldaferri F, Petito V, Lopetuso L, Sgambato A, Gasbarrini A, Wolf FI.

Differential expression of TRPM6 and TRPM7 following intestinal inflammation: emerging new pathways of chronic inflammation and diarrhea. Magnesium in translational medicine, Smolenice, Slovacchia, 11-15 maggio 2014. Magnesium Research 27, 201.

20. Luongo F, Trapani V, Arduini D, Wolf FI. Magnesium homeostasis in a multidrug resistant model of colon carcinoma. Magnesium in translational medicine, Smolenice, Slovacchia, 11-15 maggio 2014. Magnesium Research 27, 201-2.
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