PERSONAL INFORMATION

Maria Beatrice Morelli

Sex Female | | Nationality Italian

WORK EXPERIENCE

1/10/2014- present

Post-doctoral research position at the Sapienza University for MED/04 disciplinary scientific field
Research project: “Molecular events regulating anti-cancer NK cell mediated stress surveillance response induced by chemotherapy”
Sapienza University of Rome, Department of Molecular Medicine. Viale Regina Elena 291, 00161 Rome, Italy

1/03/2014-30/09/2014

Post-doctoral research position at the University of Camerino for the CUN 06 disciplinary field and MED/04 disciplinary scientific field
Research project: “Molecular and functional profile of Transient Receptor Potential (TRP) channels in glioma”
University of Camerino, School of Pharmacy. Via Madonna delle Carceri 9, 62032 Camerino (MC), Italy

10/01/2011-31/12/2013

Post-doctoral research position

FIRC National Grant

Research project: ”Resiniferatoxin and Capsaicin as modulators of apoptotic and autophagic interplay in bladder cancer.”

Molecular and cellular biology studies in human cancers: glioblastoma, multiple myeloma, bladder and prostate.
University of Camerino, School of Pharmacy. Via Madonna delle Carceri 9, 62032 Camerino (MC), Italy

02/04/2007-15/11/2007

Researcher

Grant from FILAS, Lazio Region

Research in human reproduction.

Sapienza University of Rome, Department of Anatomy, Histology, Forensic Medicine and Orthopedic, Section of Histology. Via A. Scarpa, 16, 00161 Rome, Italy

02/05/2007-31/08/2009

Researcher

Grant from Pio Sodalizio dei Piceni

Research project: ”The expression of different vanilloid receptors (TRPVs) in human glioma cells: role of chemokine receptors in the sensibilization of TRPVs involved in the regulation of survival, growth and migration pathways of glioma cells.”

Molecular and cellular biology studies in human glioblastoma.

University of Camerino, School of Pharmacy. Via Madonna delle Carceri 9, 62032 Camerino (MC), Italy

EDUCATION AND TRAINING

2016-01-25/6	Digital Droplet PCR Training Course- Bio-Rad Laboratories (Letizia Ciccolne)
01/11/2007-31/10/2010	PhD in Immunological Sciences Sapienza University of Rome, Department of Molecular Medicine. Viale Regina Elena 291, 00161 Rome, Italy University of Camerino, School of Pharmacy. Via Madonna delle Carceri 9, 62032 Camerino (MC), Italy Role of Transient Receptor Potential Vanilloid channels (TRPV) in regulating cell viability and chemoresistance pathways in human cancers: glioblastoma, multiple myeloma, bladder and prostate.
2006	Biologist qualification exam
20/10/2006	Degree in Medical, Molecular and Cellular Biotechnology Sapienza University of Rome, Department of Histology and Medicine Embryology, Tutor: Rita Canipari Score: 110/110 cum laude Research project: “Characterization, expression and functional activity of PACAP and its receptors in human granulosa-luteal cells.” The work has been carried out in the Department of Histology and Medicine Embryology, Sapienza University of Rome in collaboration with Technobios Procreazione, Bologna.
28/10/2004	Degree in Biotechnology Sapienza University of Rome, Department of Histology and Medicine Embryology, Tutor: Rita Canipari Score: 110/110 cum laude Research project: “PACAP and relative receptors in mouse ovary” The work has been carried out in the Department of Histology and Medicine Embryology, Sapienza University of Rome in collaboration with Technobios Procreazione, Bologna.
2001	Classical Degree Liceo Classico “A.Caro”, Fermo (FM), Italy

PERSONAL SKILLS

Mother tongue	Italian
Other language	English
Technical skills and competences	Familiarity with laboratory procedures, equipment, and protocols. Skills in several biological techniques. Cell Biology: Performed experiments and protocol on cell viability, proliferation, cell death, cell cycle, chemoresistance, autophagy and senescence (MTT, SRB assay, BrdU incorporation assay, Cell Cycle, PI/ Annexin-V, DNA Ladder), Autophagy, Senescence, ROS assay, Calcein Assay, Ca^{2+} influx. Protein Biology: FACS, Elisa, Western Blot, Immunocytochemistry, Immunohistochemistry. Molecular Biology: Real Time PCR, Droplet Digital PCR, cloning, gene silencing (siRNA, shRNA), DNA transfection, mutagenesis, RT/PCR, etc. Cell model: cancer and normal cell lines, stem cells. Human sample: biopsies, bone marrow aspirated, peripheral blood to isolate single cancer cells.

Computer skills	Good command of Microsoft Office™ tools, CellQuest, Cyflogic, WinMDI, Graphpad Prism software, MatLab.

ADDITIONAL INFORMATION

RECENT FUNDENT PROJECTS

2015- present	Partecipation in AIRC 2014 project: *Circulating tumor cells and exosomes in human pancreatic cancer. The impact on prognosis and treatment strategy*
2015-2017	Principal Investigator for the project *The tyrosine-kinase inhibitor axitinib to overcome temozolomide resistence* (Progetti avvio alla ricerca anno 2015 – Sapienza Università di Roma)
2015-present	Cooperation to the project *CHEMICAL "SWISS TOOLS" TO TREAT TUMORS, METASTASES AND INFECTIONS* (FAR 2014-2015 – University of Camerino)
01/11/2013-01/01/2015	Principal investigator involved in research project financed by Pfizer company: Therapy of renal tumors
2010--2013	Partecipation in PRIN 2010-2011 project: Le scienze omiche come strumento per la ricerca traslazionale in neurooncologia"

ACADEMIC ROLE

2016-2017	Co-teacher in "*Patologie da stress e dei disordini alimentari*" (3 cfu, Scienze del Fitness e dei Prodotti della Salute, University of Camerino) and in "*Fondamenti di patologia e citotossicologia*" (3 cfu, Biologia della nutrizione, University of Camerino)
2015-2017	Teacher in Laboratory II (1 cfu, Biosciences and Biotechnology, University of Camerino)
2015-2016	Seminar activities. "*Nutritional Pathology Course*", (2 cfu), in Stress Pathology Course (Scienze del Fitness e dei Prodotti della Salute, University of Camerino)
2013-present	Co-tutor for Bachelor degree dissertations in Biosciences and Biotechnology and in Biologia della nutrizione. Co-tutor for Master degree dissertation in Biological Sciences. Co-tutor for Laurea Specialistica dissertation in Farmacia
2012-2013	Co-tutor in the pratical laboratory of the "*Fondamenti di Patologia e Citotossicologia*" for the Laboratory II course of the Bachelor's Degree in Biologia della Nutrizione at the University of Camerino
2012-present	Co-tutor in the pratical laboratory for Rotation Laboratory course of the Master Degree in Biological Sciences at the University of Camerino

2011-2016	*Cultore della materia* at the University of Camerino in “Patologia della nutrizione, Advanced food pathology, Molecular pathology, Immunology, Farmacia, Chimica e Tecnologia Farmaceutiche, Informazione Scientifica sul Farmaco and Scienze e Tecnologie del Fitness e dei Prodotti della Salute” Courses.

PROFESSIONAL MEMBERSHIPS

2017	Member, Società Italiana Cancerologia

REVIEWER FOR INTERNATIONAL JOURNAL

- Oncotarget
- Cell Death and Disease
- Chemico-Biological Interaction
- BMC Complementary and Alternative Medicine
- Cellular Oncology
- Functional Foods in Health and Disease

SCIENTIFIC INTERESTS

My research regards the oncologic field. In particular, it focuses on the role of Transient Receptor Potential in glioma and bladder cancer progression and on the role of tyrosine kinase inhibitors as new therapeutic strategy for cancer treatment.

Brain Cancer

- Role of Transient Receptor Potential Vanilloid (TRPV) receptors in human glioma. This research is focused on the role of TRPV channels in regulating viability, chemoresistance and differentiation in different human cell lines and tissues. The models used in this research are: human glioma U87MG, T98 and U251 cell lines, glioma cancer stem cells, glioma biopsies (different grade I-IV).
- Role of cannabidiol as TRPV2 agonist in regulating human glioma cell viability and chemosensitivity to standard therapy.
- Effects of the tyrosine kinase inhibitor axitinib on human glioma cell viability
- Role of mucolipin-2 (TRPML-2) channel in human glioma cell viability. The models used in this research are: U87MG, T98 and U251 cell lines, glioma biopsies, normal brain, normal astrocyte, neural stem/progenitor cells.
- Role of mucolipin-1 (TRPML-1) channel in the autophagic pathway. The models used in this research are: U87MG, T98 and U251 cell lines.

Bladder Cancer

- Role of TRPV channels and their ligands in regulating cell viability and cell death in human bladder cancer cells. In this project the human models used are: bladder cancer cells (RT4, J82, 5637, T24), biopsies.
- The mechanisms responsible of the tyrosine kinase inhibitors (sorafenib, sunitinib and pazopanib) anti-tumor effects in human bladder cancer cell lines (5637, J82, T24).
- Role of autophagic pathway activation after Capsaicin treatment and the induction of epithelial-mesenchymal transition in T24 and 5637 baldder cancer cell lines.

Renal cell carcinoma

- Effects of the tyrosine kinase inhibitor axitinib used as first line therapy or as second line in a sequential therapy after sunitinib treatment in human renal carcinoma cell lines (A-498 and Caki-2).
- The ability of sunitinib and axitinib to modulate the DNAM-1 and NKG2D ligands to study an hypothetical immunosurveillance mechanism toward treated cancer cells.

Multiple Myeloma

- Expression of TRPV2 channels in CD138+ plasma cells isolated from primary diagnosed patients with multiple myeloma.
- Role of TRPV2 activation by cannabidiol on multiple myeloma cell lines (RPMI8226 and U266).
- The effect of cannabidiol treatment alone and in combination with bortezomib on multiple myeloma cell lines.
- The effect of THC and cannabidiol in combination with the novel proteasome inhibitor on multiple myeloma cell lines.

Prostate Cancer

- Expression of adrenergic receptor type A (ADRA) and the role of their synthetic antagonists in inducing cell death in human prostate cancer cell (PC3).
- Cross-talk between α_{1D}-AR and TRPV1 receptors and the role in controlling the NA-induced proliferation of prostate cancer cells.

Breast cancer

- Role of N-Methyl-d-aspartate (NMDA) Receptor Antagonists on breast cancer cells. In this project the human models used are: MCF-7 ans SKBR3 cell lines.

Lung

- Effect of thyme extract in human normal brochial and tracheal ephitelial cell lines and in human H460l ung cancer cell line

Ovary

- Characterize the PACAP/VIP/receptor system in the mouse ovary.
- Expression of PACAP and PACAP/VIP receptors in human granulosa-luteal cells obtained from consenting *in vitro* fertilization patients attending a private fertility clinic and assessed a possible antiapoptotic effect of these molecules. Research in collaboration with Technobios Procreazione (Bologna).
- Effects of recombinant LH administration, during late follicular development stages, in recombinant FSH stimulated cycles on follicular fluid parameters and on cumulus cell quality.

ABSTRACT AND CONGRESS PARTECIPATION

Liquid biopsy: tracking cancer. Rome, Italy, April 29,30, 2016.

Morelli MB, Offidani M, Discepoli G, Santoni M, Amantini C, Farfariello V, Liberati S, Leoni P, Santoni G, Nabissi M. Role of the Transient Receptor Potential Vanilloid-type2 Agonist Cannabidiol in Multiple Mieloma. 6th European Workshop on Cannabinoid Research. Dublin, Ireland. April 2013

Amantini C, Farfariello V, **Morelli MB**, Nabissi M, Liberati S, Santoni M, Piergentili L, Quaglia W, Cascinu S and Santoni G. Cross-talk between α1D-adrenergic receptor (α1D -AR) and Transient Receptor Potential Vanilloid 1 (TRPV1) triggers the proliferation of PC-3 prostate cancer cells. Genitourinary Cancers Symposium. Orlando, FL. February 14-16, 2013

Santoni M, Amantini C, **Morelli MB**, Farfariello V, Nabissi M, Liberati S, Bonfili L, Eleuteri AM, Mozzicafreddo M, Burattini L, Berardi R, Cascinu S and Santoni G. Sunitinib, Sorafenib and Pazopanib differently induce cancer cell death: the role of autophagy. Genitourinary Cancers Symposium . Orlando, FL. February 14-16, 2013

Nabissi M, Offidani M, **Morelli MB**, Discepoli G, Santoni M, Amantini C, Farfariello V, Liberati S, Santoni G and Leoni P. TRPV2 activation induces cytotoxicity in human multiple myeloma cell lines. International Workshop on Transient Receptor Potential Channels. Valencia, Spain. September 12-15, 2012

Liberati S, **Morelli MB**, Nabissi M, Amantini C, Farfariello V, Santoni M, Ricci-Vitiani L, Compieta E and Santoni G. The transcription factor AML1, regulates the Transient Receptor Potential Vanilloid-2 (TRPV2) channel-mediated differentiation of glioblastoma stem cells. International Workshop on Transient Receptor Potential Channels. Valencia, Spain. September 12-15, 2012

Farfariello V, Amantini C, Nabissi M, **Morelli MB**, Liberati S, Eleuteri AM, Bonfili L, Cecarini V, Sorice M and Santoni G. TRPV1-mediated autophagy in thymocytes is a consequence of proteasome inhibition and unfolded protein response activation. International Workshop on Transient Receptor Potential Channels. Valencia, Spain. September 12-15, 2012

Amantini C, Farfariello V, **Morelli MB**, Nabissi M, Liberati S Santoni M, Ranzuglia V, Cardinali C, Filosa A, Pieramici T, Ranaldi R, Piergentili L, Quaglia W and Santoni G. Cross-talk between alpha1d- adrenergic receptor and Transient Receptor Potential Vanilloid 1 (TRPV1) triggers the proliferation of PC-3 prostate cancer cells. International Workshop on Transient Receptor Potential Channels. Valencia, Spain. September 12-15, 2012

Farfariello V, Nabissi M, Caprodossi S, **Morelli MB**, Liberati S, Santoni G, Amantini C. Triggering of Transient Potential Receptor Vanilloid 1 (TRPV1) induces aautophagy that delays apoptotic cell death in murine thymocytes. 19th Euroconference on “Apoptosis, Metabolism, Epigenetics and Death” and 8th training course on “Concepts and methods in Programmed Cell Death. Stockolm, Sweden. September 14-17, 2011

Amantini C, Caprodossi S, Ballarini P, Nabissi M, **Morelli MB**, Lucciarini R, Kalogris C, Cardarelli MA, Mammana G, Santoni G. Triggering of TRPV1 by capsaicin induces Fas/CD95-17 mediated apoptosis of urothelial cancer cells in an ATM-dependent manner. TRP meeting “Transient Receptor Potential Channel: from sensory signalling to human diseases”. Stockolm, Sweden. September 26-27, 2009

Amantini C, Nabissi M, **Morelli MB**, Farfariello V, Ricci-Vitiani L, Caprodossi S, Arcella A, Santoni M, Marinelli A, Giangaspero F, De Maria R, Santoni G. TRPV2 channel negatively controls glioma cell proliferation and resistance to CD95/Fas-induced apoptosis in ERK-dependent manner. TRP meeting “Transient Receptor Potential Channel: from sensory signalling to human diseases”. Stockolm, Sweden. September 26-27, 2009

Farfariello V, Amantini C, Nabissi M, **Morelli MB**, Ricci-Vitiani L, Pallini R, Caprodossi S, Santoni M, De Maria R, Santoni G. TRPV2 modulates glioblastoma stem cell proliferation and differentiation. TRP meeting “Transient Receptor Potential Channel: from sensory signalling to human diseases”. Stockolm, Sweden. September 26-27, 2009

Farfariello V, Nabissi M, Caprodossi S, **Morelli MB**, Santoni G, Amantini C. Capsaicin induces macroautophagy in mouse thymocytes through TRPV1 activation. TRP meeting "Transient Receptor Potential Channel: from sensory signalling to human diseases". Stockolm, Sweden. September 26- 27, 2009

Morelli MB, Amantini C, Ricci-Vitiani L, Pallini R, Arcella A, Caprodossi S, Gingaspero F, De Maria R, Pimponi S, Santoni G, Nabissi M. Role of TRPV2 in Cell Proliferation and Chemo-resistance of Human U87 Glioma Cells. 48th Annual Meeting of the American Society for Cell Biology. San Francisco, CA. December 13-19, 2008

LIST OF PUBBLICAYION

Evaluation of aniseed (Pimpinella anisum L.) essential oil effects in primary airway bronchial and tracheal epithelial cell lines.
Iannarelli R, Marinelli O, **Morelli MB**, Santoni G, Amantini C, Nabissi M, Maggi F.
Journal of Ethnopharmacology. *Under review*

Axitinib induces senescence-associated cell death and necrosis in glioma cell lines: The proteasome inhibitor, bortezomib, potentiates axitinib-induced cytotoxicity in a p21(Waf/Cip1) dependent manner.
Morelli MB, Amantini C, Nabissi M, Cardinali C, Santoni M, Bernardini G, Santoni A, Santoni G.
Oncotarget. 2017 Jan 10;8(2):3380-3395.

Post-transcriptional regulation of 5'-untranslated regions of human Transient Receptor Potential Vanilloid type-1 (TRPV-1) channels: role in the survival of glioma patients.
Nabissi M, **Morelli MB**, Arcella A, Cardinali C, Santoni M, Bernardini G, Santoni A, Santoni G, Amantini C.
Oncotarget. 2016 Dec 6;7(49):81541-81554.

Cannabinoids synergize with carfilzomib, reducing multiple myeloma cells viability and migration.
Nabissi M, **Morelli MB**, Offidani M, Amantini C, Gentili S, Soriani A, Cardinali C, Leoni P, Santoni G.
Oncotarget. 2016 Nov 22;7(47):77543-77557.

Evaluation of thyme extract effects in human normal brochial and tracheal epithelial cell lines and in human lung cancer cell line.
Marinelli O, Iannarelli R, **Morelli MB**, Valisi M, Nicotra G, Amantini C, Cardinali C, Santoni G, Maggi F and Nabissi M.
Chem Biol Interact. 2016 Aug 25;256:125-33.

Capsaicin triggers autophagic cell survival which drives epithelial mesenchymal transition and chemoresistance in bladder cancer cells in an Hedgehog-dependent manner. Amantini C, **Morelli MB,** Nabissi M, Cardinali C, Santoni M, Gismondi A, Santoni G.
Oncotarget. 2016 Aug 2;7(31):50180-50194.

Overexpression of Transient Receptor Potential Mucolipin-2 Ion Channels in Gliomas: role in Tumor Growth and Progression.
Morelli MB, Nabissi M, Amantini C, Tomassoni D, Rossi F, Cardinali C, Santoni M, Arcella A, Oliva MA, Santoni A, Polidori C, Mariani MP and Santoni G
Oncotarget. 2016 Jul 12;7(28):43654-43668.

Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition).
Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A, Adachi H, Adams CM, Adams PD, Adeli K, Adhihetty PJ, Adler SG, **Morelli MB** et al.
Autophagy. 2016 Jan 2;12(1):1-222.

Cooperative Interaction between the Alpha1-Adrenoceptors (α1-AR) and Transient Receptor Potential (TRP) Triggers a Proliferative Cell Signal in Prostate Cancer Cell Lines.
Santoni G, **Morelli MB**, Amantini C, Santoni M, Nabissi M, Cardinali C, Del Bello F, Piergentili A and Quaglia W.
J Genet Syndr Gene Ther 2015, 6:3.

Axitinib induces DNA damage response leading to senescence, mitotic catastrophe, and increased NK cell recognition in human renal carcinoma cells.
Morelli MB, Amantini C, Santoni M, Soriani A, Nabissi M, Cardinali C, Santoni A and Santoni Giorgio
Oncotarget. 2015 Nov 3;6(34):36245-59.

Sorafenib induces cathepsin B-mediated apoptosis of bladder cancer cells by regulating the Akt/PTEN pathway. The Akt inhibitor, perifosine, enhances the sorafenib-induced cytotoxicity against bladder cancer cells.
Amantini C, **Morelli MB**, Santoni M, Soriani A, Cardinali C, Farfariello V, Eleuteri AM, Bonfili L, Mozzicafreddo M, Nabissi M, Cascinu S, Santoni G.
Oncoscience. 2015 Mar 23;2(4):395-409.

Cannabidiol stimulates Aml-1a-dependent glial differentiation and inhibits glioma stem-like cells proliferation by inducing autophagy in a TRPV2-dependent manner.
Nabissi M, **Morelli MB**, Amantini C, Liberati S, Santoni M, Ricci-Vitiani L, Pallini R, Santoni G.
Int J Cancer. 2015 Apr 22. doi: 10.1002/ijc.29573.

Danger- and Pathogen-associated molecular patterns recognition by ion channels of Transient Receptor Potential family, triggers inflammasome activation in neurons and immune cells.
Santoni G, Cardinali C, **Morelli MB**, Santoni M, Nabissi M, Amantini C.
Journal of Neuroinflammation. 2015 Feb 3;12(1):21. doi: 10.1186/s12974-015-0239-2.

Cross-talk between alpha1D-adrenoceptors and transient receptor potential vanilloid type 1 triggers prostate cancer cell proliferation.
Morelli MB, Amantini C, Nabissi M, Liberati S, Cardinali C, Farfariello V, Quaglia W, Piergentili A, Bonifazi A, Del Bello F, Santoni M, Mammana G, Servi L, Filosa A, Gismondi A, Santoni G.
BMC Cancer. 2014 Dec 7;14:921. doi: 10.1186/1471-2407-14-921.

Epigenetic, Genetic, and Acquired Regulation of Cav3 T-Type Calcium Channel Expression and Function in Tumor Growth and Progression.
Morelli MB, Liberati S, Amantini C, Santoni M, Nabissi M, Farfariello V, Santoni G.
PATHOLOGIES of CALCIUM CHANNELS 2014: 277-295.

Loss of TRPV2 Homeostatic Control of Cell Proliferation Drives Tumor Progression.
Liberati S, **Morelli MB**, Amantini C, Farfariello V, Santoni M, Conti A, Nabissi M, Cascinu S, Santoni G.
Cells. 2014 Feb 19;3(1):112-28.

Advances In Transient Receptor Potential Vanilloid-2 Channel Expression And Function In Tumor Growth And Progression.
Liberati S, **Morelli MB**, Amantini C, Santoni M, Nabissi M, Cardinali C, Santoni G.
Curr Protein Pept Sci. 2014 Jul 4.

Resiniferatoxin induces mitochondrial-dependent death of bladder cancer cells and reduces tumor growth in a xenograft mouse model.
Farfariello V, Liberati S, **Morelli MB**, Tomassoni D, Santoni M, Nabissi M, Giannantoni A, Santoni G, Amantini C.
Chem Biol Interact. 2014 Oct 29;224C:128-135. doi: 10.1016/j.cbi.2014.10.0

The effects of cannabidiol and its synergism with bortezomib in multiple myeloma cell lines. A role for transient receptor potential vanilloid type-2.
Morelli MB, Offidani M, Alesiani F, Discepoli G, Liberati S, Olivieri A, Santoni M, Santoni G, Leoni P, Nabissi M.
Int J Cancer. 2014 Jun 1;134(11):2534-46.

Pazopanib and sunitinib trigger autophagic and non-autophagic death of bladder tumour cells.
Santoni M, Amantini C, **Morelli MB**, Liberati S, Farfariello V, Nabissi M, Bonfili L, Eleuteri AM, Mozzicafreddo M, Burattini L, Berardi R, Cascinu S, Santoni G.
Br J Cancer. 2013 Aug 20;109(4):1040-50.

Expression and Function of the Transient Receptor Potential Ion Channel Family in the Hematologic Malignancies.
Morelli MB, Liberati S, Amantini C, Nabissi M, Santoni M, Farfariello V, Santoni G.
Curr Mol Pharmacol. 2013 Nov;6(3):137-48.

Essential Role of Gli Proteins in Glioblastoma Multiforme.
Santoni M, Burattini L, Nabissi M, **Morelli MB**, Berardi R, Santoni G, Cascinu S.
Curr Protein Pept Sc 2013 Mar; 14: 133-40.

TRP Channels: New Potential Therapeutic Approaches in CNS Neuropathies.
Morelli MB, Amantini C, Liberati S, Santoni M, Nabissi M.
CNS Neurol Disord Drug Targets 2013 Mar; 12: 274-93.

Oncogenic and anti-oncogenic effects of transient receptor potential channels.
Liberati S, Morelli MB, Nabissi M, Santoni M, Santoni G.
Curr Top Med Chem. 2013;13(3):344-66.

The role of transient receptor potential vanilloid type-2 ion channels in innate and adaptive immune responses.
Santoni G, Farfariello V, Liberati S, Morelli MB, Nabissi M, Santoni M, Amantini C.
Front Immunol. 2013 Feb 14;4:34.

Follicular fluid hormonal profile and cumulus cell gene expression in controlled ovarian hyperstimulation with recombinant FSH: effects of recombinant LH administration.
Barberi M, Ermini B, Morelli MB, Ermini M, Cecconi S, Canipari R.
J Assist Reprod Genet. 2012 Dec;29(12):1381-91.

New Insight on the Role of Transient Receptor Potential (TRP) Channels in Driven Gliomagenesis Pathways
Santoni G, Morelli MB, Amantini C, Santoni M, Nabissi M.
Glioma - Exploring Its Biology and Practical Relevance" 2011

Triggering of the TRPV2 channel by cannabidiol sensitizes glioblastoma cells to cytotoxic chemotherapeutic agents.
Nabissi M, **Morelli MB**, Santoni M, Santoni G.
Carcinogenesis. 2013 Jan;34(1):48-57.

The transient receptor potential vanilloid-2 cation channel impairs glioblastoma stem-like cell proliferation and promotes differentiation.
Morelli MB, Nabissi M, Amantini C, Farfariello V, Ricci-Vitiani L, di Martino S, Pallini R, Larocca LM, Caprodossi S, Santoni M, De Maria R, Santoni G.
Int J Cancer. 2012 Oct 1;131(7):E1067-77.

New deals on the transcriptional and post-transcriptional regulation of TRP channel target genes during the angiogenesis of glioma.
Santoni G, **Morelli MB**, Santoni M, Nabissi M.
J Experimental and Integrative Medicine 2011; 1(4):221-234

IL-22 mRNA in peripheral blood mononuclear cells from allergic rhinitic and asthmatic pediatric patients.
Farfariello V, Amantini C, Nabissi M, **Morelli MB**, Aperio C, Caprodossi S, Carlucci A, Bianchi AM, Santoni G.
Pediatr Allergy Immunol. 2011 Jun;22(4):419-23.

Capsaicin promotes a more aggressive gene expression phenotype and invasiveness in null-TRPV1 urothelial cancer cells.
Caprodossi S, Amantini C, Nabissi M, **Morelli MB**, Farfariello V, Santoni M, Gismondi A, Santoni G.
Carcinogenesis. 2011 May;32(5):686-94.

Expression of transient receptor potential vanilloid-1 (TRPV1) in urothelial cancers of human bladder: relation to clinicopathological and molecular parameters.
Kalogris C, Caprodossi S, Amantini C, Lambertucci F, Nabissi M, **Morelli MB**, Farfariello V, Filosa A, Emiliozzi MC, Mammana G, Santoni G.
Histopathology. 2010 Nov;57(5):744-52.

TRPV2 channel negatively controls glioma cell proliferation and resistance to Fas-induced apoptosis in ERK-dependent manner.
Nabissi M, **Morelli MB**, Amantini C, Farfariello V, Ricci-Vitiani L, Caprodossi S, Arcella

A, Santoni M, Giangaspero F, De Maria R, Santoni G.
Carcinogenesis. 2010 May;31(5):794-803.

Triggering of transient receptor potential vanilloid type 1 (TRPV1) by capsaicin induces Fas/CD95-mediated apoptosis of urothelial cancer cells in an ATM-dependent manner.
Amantini C, Ballarini P, Caprodossi S, Nabissi M, **Morelli MB**, Lucciarini R, Cardarelli MA, Mammana G, Santoni G.
Carcinogenesis. 2009 Aug;30(8):1320-9.

Characterization, expression, and functional activity of pituitary adenylate cyclase-activating polypeptide and its receptors in human granulosa-luteal cells.
Morelli MB, Barberi M, Gambardella A, Borini A, Cecconi S, Coticchio G, Canipari R.
J Clin Endocrinol Metab. 2008 Dec;93(12):4924-32.

Expression localisation and functional activity of pituitary adenylate cyclase-activating polypeptide, vasoactive intestinal polypeptide and their receptors in mouse ovary.
Barberi M, Muciaccia B, **Morelli MB**, Stefanini M, Cecconi S, Canipari R.
Reproduction. 2007 Aug;134(2):281-92.