

CURRICULUM VITAE



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PERSONAL INFORMATION

ASSISTANT PROFESSOR IN MICROBIOLOGY
UNIVERSITY OF PADOVA,
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CARRIER SUMMARY

FEB - OCT 2014: VISITING PROFESSOR. VIRGINIA COMMONWEALTH UNIVERSITY, USA. DEPARTMENT OF PHARMACOLOGY AND TOXICOLOGY. LABORATORY OF PROF. H.I. AKBARALI.

OCT 2010 - TODAY: ASSISTANT PROFESSOR IN MICROBIOLOGY. UNIVERSITY OF PADOVA, DEPARTMENT OF MOLECULAR MEDICINE.

SEPT 2010: VISITING PROFESSOR. UNIVERSITY OF CAMBRIDGE, UK. CAMBRIDGE CENTER OF BRAIN REPAIR, DEPARTMENT OF CLINICAL NEUROSCIENCES. LABORATORY OF PROF. S. PLUCHINO.

GEN - GIU 2010: SCIENTIFIC ADVISOR. AAT-ADVANCED ANALYTICAL TECHNOLOGIES S.R.L. PIACENZA, ITALY.

OCT 2009 - DIC 2010: FELLOWSHIP. UNIVERSITY OF PADOVA, DEPARTMENT OF SURGICAL AND GASTROENTEROLOGICAL SCIENCES "P.G. CEVESE".

SEPT 2009: VISITING SCIENTIST, UNIDAD HEPÁTICA, HOSPITAL GENERAL UNIVERSITARIO DE ALICANTE, UNIVERSIDAD MIGUEL HERNÁNDEZ, ELCHE, ALICANTE, SPAIN. LABORATORY OF PROF. J. SUCH.

MAY 2008 - SEPT 2009: FELLOWSHIP. UNIVERSITY OF PADOVA, DEPARTMENT OF SURGICAL AND GASTROENTEROLOGICAL SCIENCES "P.G. CEVESE".

FEB 2006 - GEN 2008: FELLOWSHIP. UNIVERSITY OF PADOVA, DEPARTMENT OF GASTROENTEROLOGICAL SCIENCES.

FEB 2004 - GEN 2006: POST-DOCTORAL FELLOWSHIP. UNIVERSITY OF PADOVA, DEPARTMENT OF GASTROENTEROLOGICAL SCIENCES.

2001 - 2004: UNIVERSITY OF PADOVA, DEPARTMENT OF SURGICAL AND GASTROENTEROLOGICAL SCIENCES "P.G. CEVESE". PHD IN HEPATOLOGICAL SCIENCES.

EDUCATION

AUG 2013: INTERNATIONAL CONGRESS OF IMMUNOLOGY, COURSE IN IMMUNOLOGY, IMMUNOLOGIC DISEASES AND THERAPEUTIC STRATEGIES.

MAR 2007: EUROPEAN ASSOCIATION FOR THE STUDY OF THE LIVER, SCHOOL IN CELL SIGNALING.

MAR 2006: EUROPEAN ASSOCIATION FOR THE STUDY OF THE LIVER, SCHOOL IN HEPATOLOGY

MAR 2005: PHD DEGREE IN HEPATOLOGICAL SCIENCES.

SEPT 2005: SCHOOL OF IMMUNOLOGY "RUGGIERO CEPPELLINI". COURSE IN "INNATE IMMUNITY IN SELF AND INFECTION NON-SELF RECOGNITION".

JULY 2001: UNIVERSITY DEGREE IN PHARMACY. GRADE: 110/110

TEACHING ACTIVITY

2004 - TODAY: SCIENTIFIC ADVISOR AND SUPERVISOR OF 26 GRADUATE STUDENTS;
3 PHD STUDENTS;
2 POST-DOCTORAL FELLOWS;
1 MASTER STUDENT.

2017 - TODAY: TENURE OF MICROBIOLOGY AND CLINICAL MICROBIOLOGY. SCHOOL OF PHYSIOTHERAPY. UNIVERSITY OF PADOVA.

2010 - TODAY: TENURE OF MICROBIOLOGY AND IMMUNOLOGY. SCHOOL OF PHARMACY. UNIVERSITY OF PADOVA.

2010 - TODAY: TENURE OF CLINICAL MICROBIOLOGY. NURSING SCHOOL. UNIVERSITY OF PADOVA.

SCIENTIFIC AND TECHNOLOGICAL EXPERIENCE

2011 - TODAY: RESEARCH PROJECT "PLASMA MEDICINE" WITH THE COLLABORATION OF RFX CONSORTIUM EURATOM-ENEA ASSOCIATION PADOVA, COMENIUS UNIVERSITY BRATISLAVA, BERKELEY UNIVERSITY OF CALIFORNIA

2009 - TODAY: RESEARCH PROJECT "NEUROTROPIC VIRUS AND THE ENTERIC NERVOUS SYSTEM" WITH THE COLLABORATION OF UNIVERSITY OF BOLOGNA, UNIVERSITY OF NAPOLI, UNIVERSITY OF FERRARA, UNIVERSITY OF PISA, CNRS LYON - FRANCE, VIRGINIA COMMONWEALTH UNIVERSITY (VCU) - USA

2009 - TODAY: RESEARCH PROJECT "TISSUE ENGINEERING OF THE GASTROINTESTINAL TRACT" WITH THE COLLABORATION OF UNIVERSITY OF CATANIA, UNIVERSITY ROMA TRE, UNIVERSITY OF NAPOLI.

2006 - 2010: RESEARCH PROJECT "BACTERIA AS DELIVERY SYSTEMS" WITH THE COLLABORATION OF UNIVERSITY CATTOLICA DEL SACRO CUORE IN ROMA, INSTITUTE PASTEUR - FRANCE

2016 - TODAY: FINANCIAL AGREEMENT "ANTIMICROBIAL EFFECTS OF PLASMA SOURCES" FOUNDED BY C.S.O. SRL. COSTRUZIONI STRUMENTI OFTALMICI, FIRENZE.

2012 - TODAY: FINANCIAL AGREEMENT "EVALUATION OF BIOCOMPATIBILITY AND ANTIMICROBIAL ACTIVITY OF POLYDEOXYRIBONUCLEOTIDES (PDRN)" FOUNDED BY ARCHIMEDES S.R.L., PADOVA.

2010 - 2012: FINANCIAL AGREEMENT "IMMUNOMODULATION OF PROBIOTIC BACTERIAL STRAINS" FOUNDED BY AAT - ADVANCED ANALYTICAL TECHNOLOGIES, PIACENZA.

SCIENTIFIC AND TECHNOLOGICAL ACTIVITY

2014: PATENT EP2739295 A2: "FORMULATIONS COMPRISING *SACCHAROMYCES BOULARDII* AND SUPEROXIDE DISMUTASE FOR CONTROLLING OBESITY".

FUNDING

2016: CO-INVESTIGATOR. PROJECT "EFFECTS OF DIETARY GLUTAMATE ON GUT HOMEOSTASIS" FOUNDED BY AJINOMOTO CO., INC, JAPAN.

2014: PI INVESTIGATOR. PROJECT "INTESTINAL MICROBIOTA IN GASTROINTESTINAL DYSFUNCTION", ITALIAN UNIVERSITY FOUNDING

2013: PI INVESTIGATOR. PROJECT "REGENERATION OF THE ENTERIC NERVOUS SYSTEM", ITALIAN UNIVERSITY FOUNDING

2013: CO-INVESTIGATOR. PROJECT "TISSUE ENGINEERING OF ALIMENTARY TRACT: ASSESSMENT OF SELF-ASSEMBLING PEPTIDE HYDROGELS INTO POLYMERIC SCAFFOLDS AS SUPPORT OF ENTERIC NERVOUS SYSTEM REGENERATION", FOUNDED BY MIUR - ITALIAN MINISTRY OF EDUCATION, UNIVERSITY AND RESEARCH.

2012: PI INVESTIGATOR. PROJECT "MOLECULAR MECHANISMS OF NEUROTROPIC VIRUS-MEDIATED NEUROPATHIES IN THE GUT", ITALIAN UNIVERSITY FOUNDING

2011: PI INVESTIGATOR. PROJECT "INFECTION OF THE ENTERIC NERVOUS SYSTEM", ITALIAN UNIVERSITY FOUNDING.

2011. PI INVESTIGATOR. PROJECT "NEUROPATHY OF ENTERIC NERVOUS SYSTEM CAUSED BY NEUROTROPIC VIRAL INFECTIONS: EFFECTS ON INTESTINAL HOMEOSTASIS", ESCMID RESEARCH GRANT FOUNDED BY EUROPEAN SOCIETY OF CLINICAL MICROBIOLOGY AND INFECTIOUS DISEASES.

SIGNIFICANT INTERNATIONAL CONGRESS

2016: ORAL PRESENTATION. "QUORUM SENSING MOLECULES OF GUT MICROBIOTA AFFECT INTESTINAL TASTE RECEPTORS AND ANOREXIGENIC PEPTIDES TO CONTROL SATIETY IN THE HOST". 24TH UNITED EUROPEAN GASTROENTEROLOGY WEEK - UEGW. VIENNA. AUSTRIA.

2016: INVITED SPEAKER. "PLASMA TREATMENT OF WOUNDS". WORKSHOP AT THE BIOMEDICAL APPLICATIONS OF COLD ATMOSPHERIC PLASMA. GARCHINGER TECHNOLOGIE- UND GRÜNDERZENTRUM GMBH. GARCHING BEI MÜNCHEN, GERMANY.

2016: INVITED SPEAKER. "MECHANISMS OF WOUND HEALING AND DISINFECTION IN A PLASMA SOURCE FOR THE TREATMENT OF CORNEAL INFECTIONS" INTERNATIONAL CONFERENCE ON PLASMA MEDICINE - ICPM. BRATISLAVA. SLOVAKIA.

2015: INVITED SPEAKER. "TLR SIGNALING IN INTESTINAL MUCOSA HOMEOSTASIS". DMM SCIENTIFIC MEETING. PADOVA.

2015: INVITED SPEAKER. "HELIUM-GENERATED COLD PLASMA IN CONTROLLING INFECTION AND HEALING". WORKSHOP AT THE INTERNATIONAL SYMPOSIUM ON PLASMA CHEMISTRY -ISPC. ANTWERP. BELGIUM.

2012: INVITED SPEAKER. "TOLL-LIKE RECEPTOR 2 INFLUENCES THE SEVERITY OF NEUROPATHY DURING HERPES SIMPLEX VIRUS TYPE 1 INFECTION OF THE MURINE ENTERIC NERVOUS SYSTEM". WORKSHOP AT THE UNITED EUROPEAN GASTROENTEROLOGY WEEK - UEGW. AMSTERDAM. THE NETHERLANDS.

AWARDS AND HONORS

2013: TRAVEL GRANT. ECCMID - EUROPEAN CONGRESS OF CLINICAL MICROBIOLOGY AND INFECTIOUS DISEASES.

2010: TRAVEL GRANT. UEGW - UNITED EUROPEAN GASTROENTEROLOGY WEEK.

2009: TRAVEL GRANT. UEGW - UNITED EUROPEAN GASTROENTEROLOGY WEEK.

2008: TRAVEL GRANT. EASL - EUROPEAN ASSOCIATION FOR THE STUDY OF THE LIVER.

2007: TRAVEL GRANT. EASL - EUROPEAN ASSOCIATION FOR THE STUDY OF THE LIVER.

2004: BEST ORAL COMMUNICATION. AISF - ITALIAN ASSOCIATION FOR THE STUDY OF THE LIVER.

SCIENTIFIC COMMISSION

2015: REVISION OF RESEARCH PROJECTS "SIR: SCIENTIFIC INDEPENDENCE OF YOUNG RESEARCHER", MIUR - ITALIAN MINISTRY OF EDUCATION, UNIVERSITY AND

RESEARCH.

2009: REVISION OF RESEARCH PROJECTS "FIRB: FOUNDING BASIC RESEARCH", MIUR - ITALIAN MINISTRY OF EDUCATION, UNIVERSITY AND RESEARCH.

PREVIOUS RESEARCH EXPERIENCES, SYNOPSIS

NOVEL SYSTEMS OF MICROBIAL DECONTAMINATION

INVESTIGATION OF ANTIMICROBIAL EFFECTS OF COLD ATMOSPHERIC PRESSURE PLASMAS FOR THE DISINFECTION OF LIVE TISSUES AND INANIMATE SURFACES. THE ACTIVITY INVOLVES THE GROWTH, MAINTENANCE, CULTURE, AND ENUMERATION OF BACTERIAL COLONIES USING TOTAL AND VITAL COUNTS.

GUT MICROBIOTA AND HOST HEALTH

CHARACTERIZATION OF GUT MICROBIOTA USING CULTURING AND MOLECULAR ASSAYS. IMPACT OF GUT MICROBIOTA AND METABOLIC PRODUCTS ON INNATE IMMUNE SYSTEM.

ENTERIC NERVOUS SYSTEM AND GUT FUNCTIONS

EVALUATION OF STRUCTURE AND FUNCTION OF INTESTINAL MUCOSA. CORRELATION OF DYSFUNCTION OF THE ENTERIC NERVOUS SYSTEM BY MEASURING ENDOTOXINS IN THE PORTAL BLOOD USING THE LAL TEST.

BONE TISSUE ENGINEERING

EVALUATION OF BIOMIMETIC PEPTIDES AND ELECTROSPUN MATRIX IN BONE TISSUE REGENERATION WITH PARTICULAR ATTENTION IN MONITORING BACTERIAL CONTAMINATION. THE ACTIVITY INVOLVES THE ISOLATION AND CHARACTERIZATION OF BACTERIA CONTAMINATING THE BONE MATRIXES.

PUBLICATIONS

BIBLIOMETRIC INDICATORS (SOURCE: SCOPUS)

TOTAL PUBLICATIONS 70

SUM OF THE TIMES CITED 1691

WITHOUT SELF-CITATION 1622

AVERAGE CITATIONS PER ITEM 23,48

H-INDEX 21

1. PERON G, SUT S, PELLIZZARO A, BRUN P, VOINOVICH D, CASTAGLIUOLO I, DALL'ACQUA S. THE ANTIADHESIVE ACTIVITY OF CRANBERRY PHYTOCOMPLEX STUDIED BY METABOLOMICS: INTESTINAL PAC-A METABOLITES BUT NOT INTACT PAC-A ARE IDENTIFIED AS MARKERS IN ACTIVE URINES AGAINST UROPATHOGENIC *ESCHERICHIA COLI*. FITOTERAPIA. 2017;DOI: 10.1016/J.FITOTE.2017.08.014
2. BRUN P, SCARPA M, MARCHIORI C, SARASIN G, CAPUTI V, PORZIONATO A, GIRON MC, PALÙ G, CASTAGLIUOLO I. *SACCHAROMYCES BOULARDII* CNCM I-745 SUPPLEMENTATION REDUCES GASTROINTESTINAL DYSFUNCTION IN AN ANIMAL MODEL OF IBS. PLOS ONE 2017;12(7):e0181863
3. PERON G, PELLIZZARO A, BRUN P, SCHIEVANO E, MAMMI S, SUT S, CASTAGLIUOLO I, DALL'ACQUA S. ANTIADHESIVE ACTIVITY AND METABOLOMICS ANALYSIS OF RAT URINE AFTER CRANBERRY (*VACCINIUM MACROCARPON* AITON) ADMINISTRATION. J AGRIC FOOD CHEM 2017;65(28):5657-5667
4. ZUSSO M, MERCANTI G, BELLUTI F, DI MARTINO RMC, PAGETTA A, MARINELLI C, BRUN P, RAGAZZI E, LO R, STIFANI S, GIUSTI P, MORO S. PHENOLIC 1,3-DIKETONES ATTENUATE LIPOPOLYSACCHARIDE-INDUCED INFLAMMATORY RESPONSE BY AN ALTERNATIVE MAGNESIUM-MEDIATED MECHANISM. BR J PHARMACOL. 2017;174(10):1090-1103.
5. MATIC I, REVANDKAR A, CHEN J, BISIO A, DALL'ACQUA S, COCETTA V, BRUN P, MANCINO G, MILANESE M, MATTEI M, MONTOPOLI M, ALIMONTI A. IDENTIFICATION OF *SALVIA HAENKEI* AS GEROSUPPRESSANT AGENT BY USING AN INTEGRATED SENESCENCE-SCREENING ASSAY. AGING (ALBANY NY). 2016;8(12):3223-3240.
6. GUEDIA J, BRUN P, BHAVE S, FITTING S, KANG M, DEWEY WL, HAUSER KF, AKBARALI HI. HIV-1 TAT EXACERBATES LIPOPOLYSACCHARIDE-INDUCED CYTOKINE RELEASE VIA TLR4 SIGNALING IN THE ENTERIC NERVOUS SYSTEM. SCI REP. 2016;6:31203

7. SCARPA M, SCARPA M, CASTAGLIUOLO I, ERROI F, BASATO S, BRUN P, ANGRIMAN I, CASTORO C. CD80 DOWN-REGULATION IS ASSOCIATED TO ABERRANT DNA METHYLATION IN NON-INFLAMMATORY COLON CARCINOGENESIS. *BMC CANCER* 2016;16:388
8. MARZARO G, CASTAGLIUOLO I, SCHIRATO G, PALU' G, DALLA VIA M, CHILIN A, BRUN P. SUBSTITUTED QUINAZOLINONES AS KINASE INHIBITORS ENDOWED WITH ANTI-FIBROTIC PROPERTIES. *EUR J MED CHEM.* 2016;115:416-25
9. SCARPA M, SCARPA M, CASTAGLIUOLO I, ERROI F, KOTSAFTI A, BASATO S, BRUN P, D'INCÀ R, RUGGE M, ANGRIMAN I, CASTORO C. ABERRANT GENE METHYLATION IN NON-NEOPLASTIC MUCOSA AS A PREDICTIVE MARKER OF ULCERATIVE COLITIS-ASSOCIATED CRC. *ONCOTARGET* 2016;7:10322-31
10. DETTIN M, ZAMUNER A, ROSO M, GLORIA A, IUCCI G, MESSINA GM, D'AMORA U, MARLETTA G, MODESTI M, CASTAGLIUOLO I, BRUN P. ELECTROSPUN SCAFFOLDS FOR OSTEOBLAST CELLS: PEPTIDE-INDUCED CONCENTRATION-DEPENDENT IMPROVEMENTS OF POLYCAPROLACTONE. *PLoS ONE* 2015;10:e0137505
11. FALCIGNO L, D'AURIA G, CALVANESE L, MARASCO D, IACOBELLI R, SCOGNAMIGLIO PL, BRUN P, DANESIN R, PASQUALIN M, CASTAGLIUOLO I, DETTIN M. OSTEOGENIC PROPERTIES OF A SHORT BMP-2 CHIMERA PEPTIDE. *J PEPT SCI* 2015;21:700-9
12. GRILLO AR, SCARPA M, D'INCÀ R, BRUN P, SCARPA M, PORZIONATO A, DE CARO R, MARTINES D, BUDA A, ANGRIMAN I, PALÙ G, STURNIOLO GC, CASTAGLIUOLO I. TAK1 IS A KEY MODULATOR OF THE PROFIBROGENIC PHENOTYPE OF HUMAN ILEAL MYOFIBROBLASTS IN CROHN'S DISEASE. *AM J PHYSIOL GASTROINTEST LIVER PHYSIOL.* 2015;309(6):G443-54
13. PATHAK S, GRILLO AR, SCARPA M, BRUN P, D'INCÀ R, NAI L, BANERJEE A, CAVALLO D, BARZON L, PALÙ G, STURNIOLO GC, BUDA A, CASTAGLIUOLO I. MiR-155 MODULATES THE INFLAMMATORY PHENOTYPE OF INTESTINAL MYOFIBROBLASTS BY TARGETING SOCS1 IN ULCERATIVE COLITIS. *EXP MOL MED* 2015;22;47:E164
14. CATANZARO D, RANCAN S, ORSO G, DALL'ACQUA S, BRUN P, GIRON MC, CARRARA M, CASTAGLIUOLO I, RAGAZZI E, CAPARROTTA L, MONTOPOLI M. BOSWELLIA SERRATA PRESERVES INTESTINAL EPITHELIAL BARRIER FROM OXIDATIVE AND INFLAMMATORY DAMAGE. *PLoS ONE* 2015;10:e0125375
15. BRUN P, GOBBO S, CAPUTI V, SPAGNOL L, SCHIRATO G, PASQUALIN M, LEVORATO E, PALÙ G, GIRON MC, CASTAGLIUOLO I. TOLL LIKE RECEPTOR-2 REGULATES PRODUCTION OF GLIAL-DERIVED NEUROTROPHIC FACTORS IN MURINE INTESTINAL SMOOTH MUSCLE CELLS. *MOL CELL NEUROSCI.* 2015;68:24-35
16. SCARPA M, BRUN P, SCARPA M, MORGAN S, PORZIONATO A, KOTSAFTI A, BORTOLAMI M, BUDA A, D'INCÀ R, MACCHI V, STURNIOLO GC, RUGGE M, BARDINI R, CASTAGLIUOLO I, ANGRIMAN I, CASTORO C. CD80-CD28 SIGNALING CONTROLS THE PROGRESSION OF INFLAMMATORY COLORECTAL CARCINOGENESIS. *ONCOTARGET.*2015; PMID: 25595911
17. BRUN P, PATHAK S, CASTAGLIUOLO I, PALÙ G, BRUN P, ZUIN M, CAVAZZANA R, MARTINES E. HELIUM GENERATED COLD PLASMA FINELY REGULATES ACTIVATION OF HUMAN FIBROBLAST-LIKE PRIMARY CELLS. *PLoS ONE.* 2014;9:e104397
18. DETTIN M, ZAMUNER A, IUCCI G, MESSINA GM, BATTOCCHIO C, PICARIELLO G, GALLINA G, MARLETTA G, CASTAGLIUOLO I, BRUN P. DRIVING H-OSTEOBLAST ADHESION AND PROLIFERATION ON TITANIA: PEPTIDE HYDROGELS DECORATED WITH GROWTH FACTORS AND ADHESIVE CONJUGATES. *J PEPT SCI.* 2014;20:585-94
19. MARZARO G, COLUCCIA A, FERRARESE A, BRUN P, CASTAGLIUOLO I, CONCONI MT, LA REGINA G, BAI R, SILVESTRI R, HAMEL E, CHILIN A. DISCOVERY OF BIARYLAMINOQUINAZOLINES AS NOVEL TUBULIN POLYMERIZATION INHIBITORS. *J MED CHEM.* 2014;57:4598-605
20. SPANÒ V, MONTALBANO A, CARBONE A, PARRINO B, DIANA P, CIRRINCIONE G, CASTAGLIUOLO I, BRUN P, ISSINGER OG, TISI S, PRIMAC I, VEDALDI D, SALVADOR A, BARRAJA P. SYNTHESIS OF A NEW CLASS OF PYRROLO[3,4-H]QUINAZOLINES WITH ANTIMITOTIC ACTIVITY. *EUR J MED CHEM.* 2014;74:340-57
21. ANTONIOLI L, FORNAI M, AWWAD O, GIUSTARINI G, PELLEGRINI C, TUCCORI M, CAPUTI V, QESARI M, CASTAGLIUOLO I, BRUN P, GIRON MC, SCARPIGNATO C, BLANDIZZI C, COLUCCI R. ROLE OF THE A(2B) RECEPTOR-ADENOSINE DEAMINASE COMPLEX IN COLONIC DYSMOTILITY ASSOCIATED WITH BOWEL INFLAMMATION IN RATS. *BR J PHARMACOL.* 2014;171:1314-29
22. ZOPPELLARO C, BIN A, BRUN P, BANZATO S, MACCHI V, CASTAGLIUOLO I, GIRON MC. ADENOSINE-MEDIATED ENTERIC NEUROMUSCULAR FUNCTION IS AFFECTED DURING HERPES SIMPLEX VIRUS TYPE 1 INFECTION OF RAT ENTERIC NERVOUS SYSTEM. *PLoS ONE.* 2013;8:e72648
23. BRUN P, GIRON MC, QESARI M, PORZIONATO A, ZOPPELLARO C, GRILLO AR, SPAGNOL L, DE CARO R, PIZZUTI D, STURNIOLO GC, MARTINES D, ZANINOTTO G, PALÙ G, CASTAGLIUOLO I. TOLL-LIKE RECEPTOR 2 REGULATES INTESTINAL INFLAMMATION BY CONTROLLING INTEGRITY OF THE ENTERIC NERVOUS SYSTEM. *GASTROENTEROLOGY.* 2013;145:1323-33
24. CONCONI MT, MARZARO G, URBANI L, ZANUSSO I, DI LIDDO R, CASTAGLIUOLO I, BRUN P, TONUS F, FERRARESE A, GUIOTTO A, CHILIN A. QUINAZOLINE-BASED MULTI-TYROSINE KINASE INHIBITORS: SYNTHESIS, MODELING, ANTITUMOR AND ANTIANGIOGENIC PROPERTIES. *EUR J MED CHEM.* 2013;67C:373-383

25. SALVADOR A, BROGNARA E, VEDALDI D, CASTAGLIUOLO I, BRUN P, ZUCCATO C, LAMPRONTI I, GAMBARI R. INDUCTION OF ERYTHROID DIFFERENTIATION AND INCREASED GLOBIN mRNA PRODUCTION WITH FUROCOUMARINS AND THEIR PHOTOPRODUCTS. *J PHOTOCHEM PHOTOBIOLOG B*. 2013;121:57-66
26. BRUN P, DEAN A, DI MARCO V, SURAJIT P, CASTAGLIUOLO I, CARTA D, FERLIN MG. PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR- γ MEDIATES THE ANTI-INFLAMMATORY EFFECT OF 3-HYDROXY-4-PYRIDINECARBOXYLIC ACID DERIVATIVES: SYNTHESIS AND BIOLOGICAL EVALUATION. *EUR J MED CHEM*. 2013; 62:486-97
27. BRUN P, SCORZETO M, VASSANELLI S, CASTAGLIUOLO I, PALÙ G, GHEZZO F, MESSINA GM, IUCCI G, BATTAGLIA V, SIVOLELLA S, BAGNO A, POLZONETTI G, MARLETTA G, DETTIN M. MECHANISMS UNDERLYING THE ATTACHMENT AND SPREADING OF HUMAN OSTEOBLASTS: FROM TRANSIENT INTERACTIONS TO FOCAL ADHESIONS ON VITRONECTIN-GRAFTED BIOACTIVE SURFACES. *ACTA BIOMATER*. 2013;9:6105-15
28. FESTA M, BRUN P, PICCININI R, CASTAGLIUOLO I, BASSO B, ZECCONI A. STAPHYLOCOCCUS AUREUS EFB PROTEIN EXPRESSION IN NICOTIANA TABACUM AND IMMUNE RESPONSE TO ORAL ADMINISTRATION. *RES VET SCI*. 2013;94:484-9
29. GUILLEMOT L, SCHNEIDER Y, BRUN P, CASTAGLIUOLO I, PIZZUTI D, MARTINES D, JOND L, BONGIOVANNI M, CITI S. CINGULIN IS DISPENSABLE FOR EPITHELIAL BARRIER FUNCTION AND TIGHT JUNCTION STRUCTURE, AND PLAYS A ROLE IN THE CONTROL OF CLAUDIN-2 EXPRESSION AND RESPONSE TO DUODENAL MUCOSA INJURY. *J CELL SCI*. 2012;125:5005-14
30. DANESIN R, BRUN P, ROSO M, DELAUNAY F, SAMOUILLAN V, BRUNELLI K, IUCCI G, GHEZZO F, MODESTI M, CASTAGLIUOLO I, DETTIN M. SELF-ASSEMBLING PEPTIDE-ENRICHED ELECTROSPUN POLYCAPROLACTONE SCAFFOLDS PROMOTE THE H-OSTEOBLAST ADHESION AND MODULATE DIFFERENTIATION-ASSOCIATED GENE EXPRESSION. *BONE*. 2012;51:851-9
31. BRUN P, BRUN P, VONO M, VENIER P, TARRICONE E, DELIGIANNI V, MARTINES E, ZUIN M, SPAGNOLO S, CAVAZZANA R, CARDIN R, CASTAGLIUOLO I, VALERIO AL, LEONARDI A. DISINFECTION OF OCULAR CELLS AND TISSUES BY ATMOSPHERIC-PRESSURE COLD PLASMA. *PLOS ONE*. 2012;7:e33245
32. SCARPA M, GRILLO A, SCARPA M, BRUN P, CASTORO C, POZZA A, CAVALLO D, FAGGIAN D, RUFFOLO C, D'INCÀ R, BARDINI R, CASTAGLIUOLO I, ANGRIMAN I. INNATE IMMUNE ENVIRONMENT IN ILEAL POUCH MUCOSA: A5 DEFENSIN UP-REGULATION AS PREDICTOR OF CHRONIC/RELAPSING POUCHITIS. *J GASTROINTEST SURG*. 2012;16:188-202
33. VIOLA G, BORTOLOZZI R, HAMEL E, MORO S, BRUN P, CASTAGLIUOLO I, FERLIN MG, BASSO G. MG-2477, A NEW TUBULIN INHIBITOR, INDUCES AUTOPHAGY THROUGH INHIBITION OF THE AKT/MTOR PATHWAY AND DELAYED APOPTOSIS IN A549 CELLS. *BIOCHEM PHARMACOL*. 2012;83:16-26
34. MARZARO G, TONUS F, BRUN P, CASTAGLIUOLO I, GUIOTTO A, CHILIN A. THE IMPORTANCE OF DESCRIPTOR-BASED CLUSTERIZATION IN QSAR MODELS DEVELOPMENT: TYROSINE KINASES INHIBITORS AS A KEY STUDY. *MOL INFORM*. 2011;30(8):721-32
35. BARRAJA P, CARACAUSI L, DIANA P, MONTALBANO A, CARBONE A, SALVADOR A, BRUN P, CASTAGLIUOLO I, TISI S, DALL'ACQUA F, VEDALDI D, CIRRINCIONE G. PYRROLO[3,2-H]QUINAZOLINES AS PHOTOCHEMOTHERAPEUTIC AGENTS. *CHEMMEDCHEM* 2011;6:1238-48
36. DIANA P, STAGNO A, BARRAJA P, CARBONE A, PARRINO B, DALL'ACQUA F, VEDALDI D, SALVADOR A, BRUN P, CASTAGLIUOLO I, ISSINGER OG, CIRRINCIONE G. SYNTHESIS OF TRIAZENOAZAINDOLES: A NEW CLASS OF TRIAZENES WITH ANTITUMOR ACTIVITY. *CHEMMEDCHEM* 2011;6:1291-9
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PADOVA, 20TH DECEMBER 2017

Paola Brun

