



# BRUN PAOLA

## CARRIER SUMMARY

**2021-TODAY:** UNIVERSITY OF PADOVA, ASSOCIATE PROFESSOR IN MICROBIOLOGY  
**2010 - 2020:** UNIVERSITY OF PADOVA, ASSISTANT PROFESSOR IN MICROBIOLOGY  
**2005 - 2010:** UNIVERSITY OF PADOVA, POST-DOCTORAL FELLOW IN GASTROINTESTINAL MOTOR DISORDERS  
**2001 - 2004:** UNIVERSITY OF PADOVA, PHD IN GASTROENTEROLOGY

## EDUCATION

**2019:** WORKSHOP "THE NUTS AND BOLTS OF ACTIVE LEARNING", MARYELLEN WEIMER, TEACHING FOR LEARNING, UNIPD  
**2018:** TEACHING4LEARNING WEEK, UFFICIO OFFERTA FORMATIVA ED ASSICURAZIONE DELLA QUALITÀ, UNIPD  
**2013:** INTERNATIONAL CONGRESS OF IMMUNOLOGY, COURSE IN IMMUNOLOGY, IMMUNOLOGIC DISEASES AND THERAPEUTIC STRATEGIES.  
**2007:** EUROPEAN ASSOCIATION FOR THE STUDY OF THE LIVER, SCHOOL IN CELL SIGNALING.  
**2006:** EUROPEAN ASSOCIATION FOR THE STUDY OF THE LIVER, SCHOOL IN HEPATOLOGY  
**2005:** SCUOLA SUPERIORE DI IMMUNOLOGIA "RUGGIERO CEPPELLINI", SCHOOL IN "INNATE IMMUNITY IN SELF AND INFECTION NON-SELF RECOGNITION".  
**2005:** PHD, UNIVERSITY OF PADOVA, DEPARTMENT OF CHIRURGICAL AND GASTROENTEROLOGICAL SCIENCES. DISSERTATION ON THE ROLE OF BACTERIAL ENDOTOXIN IN HEPATIC FIBROSIS. SUPERVISOR: PROF. DIEGO MARTINES.  
**2001:** UNIVERSITY DEGREE, SCHOOL OF PHARMACY, UNIVERSITY OF PADOVA. DISSERTATION ON INTESTINAL INFLAMMATION AND GENE THERAPY.  
**1995:** HIGH SCHOOL GRADUATION: LICEO CLASSICO "A. PIGAFETTA", VICENZA, ITALY

## TEACHING

MICROBIOLOGY AND IMMUNOLOGY COURSE. DEGREE IN PHARMACEUTICAL SCIENCES, SCHOOL OF PHARMACY, UNIVERSITY OF PADOVA.  
MICROBIOLOGY AND CLINICAL MICROBIOLOGY. PHYSIOTHERAPY DEGREE.  
MICROBIOLOGY. CHEMICAL AND PHARMACEUTICAL TECHNOLOGIES DEGREE.  
DIAGNOSTIC MICROBIOLOGY. DEGREE IN PHARMACEUTICAL BIOTECHNOLOGIES.  
TUTOR TO 30 UNDER-GRADUATED STUDENTS.

## RESEARCH INTEREST

THE SCIENTIFIC RESEARCH ACTIVITY COVERS A RANGE OF MULTIDISCIPLINARY TOPICS MAINLY FOCUSED ON MICROBIOLOGY, CELL BIOLOGY, BIOENGINEERING AND MOLECULAR MEDICINE:

- INNATE IMMUNITY IN VIRAL, FUNGAL AND BACTERIAL INFECTION
- ENTERIC NERVOUS SYSTEM INFLAMMATION IN INTESTINAL MOTOR DISORDERS
- KINASE ACTIVATION IN ANTICANCER THERAPY
- BIOMATERIALS FOR BONE AND NERVES REGENERATION

## TECHNICAL SKILLS

CELL ISOLATION AND CULTURE, QUANTITATIVE RT-PCR, WESTERN BLOTTING, FLOW CYTOMETRY, IMMUNOFLUORESCENCE AND IMMUNOCYTOCHEMISTRY, WHOLE MOUNT PREPARATION OF TISSUES, BACTERIAL CULTURE, HANDLING OF SMALL EXPERIMENTAL ANIMALS.

## FUNDING

**2020:** FIBROSIS CYSTIC FOUNDATION GRANT

**2017:** PRAT: CO-INVESTIGATOR. ANTIBACTERIAL EFFECTS OF CHITOSAN DERIVATIVES.

**2017:** AJNOMOTO FUNDING. CO-INVESTIGATOR. PROJECT: CHEMAGE

**2014:** UNIVERSITY FUNDING. PI INVESTIGATOR. PROJECT: INTESTINAL MICROBIOTA IN GASTROINTESTINAL DYSFUNCTION.

**2013:** UNIVERSITY FUNDING. PI INVESTIGATOR. PROJECT: REGENERATION OF THE ENTERIC NERVOUS SYSTEM.

**2013:** UNIVERSITY FOUNDING FOR RESEARCH (PRA). CO-INVESTIGATOR. PROJECT: TISSUE ENGINEERING OF ALIMENTARY TRACT: ASSESSMENT OF SELF-ASSEMBLING PEPTIDE HYDROGELS INTO POLYMERIC SCAFFOLDS AS SUPPORT OF ENTERIC NERVOUS SYSTEM REGENERATION.

**2012:** UNIVERSITY FUNDING. PI INVESTIGATOR. PROJECT: INFECTION OF THE ENTERIC NERVOUS SYSTEM.

**2011:** EUROPEAN SOCIETY OF CLINICAL MICROBIOLOGY AND INFECTIOUS DISEASE, RESEARCH GRANT. PI INVESTIGATOR. PROJECT: MOLECULAR MECHANISMS OF NEUROTROPIC VIRUS-MEDIATED NEUROPATHIES IN THE GUT.

**2011:** UNIVERSITY FUNDING. PI INVESTIGATOR. PROJECT: INFECTION OF THE ENTERIC NERVOUS SYSTEM.

**2011.** NATIONAL FUNDING MIUR. CO-INVESTIGATOR. PROJECT: NEUROPATHY OF ENTERIC NERVOUS SYSTEM CAUSED BY NEUROTROPIC VIRAL INFECTIONS: EFFECTS ON INTESTINAL HOMEOSTASIS.

## BEST PUBLICATIONS

RAIMONDI S, AMARETTI A, GOZZOLI C, SIMONE M, RIGHINI L, CANDELIERE F, BRUN P, ARDIZZONI A, COLOMBARI B, PAULONE S, CASTAGLIUOLO I, CAVALIERI D, BLASI E, ROSSI M, PEPPOLONI S. LONGITUDINAL SURVEY OF FUNGI IN THE HUMAN GUT: ITS PROFILING, PHENOTYPING, AND COLONIZATION. FRONT MICROBIOL. 2019 JUL 10;10:1575.

BRUN P, SCARPA M, MARCHIORI C, CONTI J, KOTSAFTI A, PORZIONATO A, DE CARO R, SCARPA M, CALISTRI A, CASTAGLIUOLO I. HERPES SIMPLEX VIRUS TYPE 1 ENGAGES TOLL LIKE RECEPTOR 2 TO RECRUIT MACROPHAGES DURING INFECTION OF ENTERIC NEURONS. FRONT MICROBIOL. 2018 SEP 11;9:2148.

CARTA D, BRUN P, DAL PRA M, BERNABÈ G, CASTAGLIUOLO I, FERLIN MG. SYNTHESIS AND PRELIMINARY ANTI-INFLAMMATORY AND ANTI-BACTERIAL EVALUATION OF SOME DIFLUNISAL AZA-ANALOGS. MEDCHEMCOMM. 2018 APR 24;9(6):1017-1032.

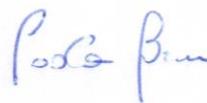
BRUN P, GOBBO S, CAPUTI V, SPAGNOL L, SCHIRATO G, PASQUALIN M, LEVORATO E, PALÙ G, GIRON MC, CASTAGLIUOLO I. TOLL LIKE RECEPTOR-2 REGULATES PRODUCTION OF GLIAL-DERIVED NEUROTROPHIC FACTORS IN MURINE INTESTINAL SMOOTH MUSCLE CELLS. MOL CELL NEUROSCI. 2015 MAR 27;68:24-35.

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 MAR;171(5):1314-29.

BRUN P, GIRON MC, QESARI M, PORZIONATO A, CAPUTI V, ZOPPELLARO C, BANZATO S, GRILLO AR, SPAGNOL L, DE CARO R, PIZZUTI D, BARBIERI V, ROSATO A, 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 DEC;145(6):1323-33.

PADOVA, 19 GENNAIO 2023

IN FEDE



BRUN PAOLA

Autorizzo il trattamento dei miei dati personali presenti nel curriculum vitae ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 e del GDPR (Regolamento UE 2016/679).