

**FORMATO EUROPEO
PER IL CURRICULUM
VITAE**



INFORMAZIONI PERSONALI

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Nazionalità	IITALIANA
Data di nascita	18/04/1959

ESPERIENZA LAVORATIVA

WORKING EXPERIENCE

- 1986 GRADUATE (ITALIAN LAUREA) IN BIOLOGICAL SCIENCE, AT THE UNIVERSITY OF ROME.
- RESEARCHER CONFIRMED at THE PUBLIC HEALTH AND INFECTIVE DISEASES, SECTION OF MICROBIOLOGY, OF THE UNIVERSITY OF ROME. DISCIPLINARY MED / 07, MICROBIOLOGY AND CLINICAL MICROBIOLOGY.
- 2012 WAS QUALIFIED TO BE ASSISTED PROFESSOR (PA), IN SC / SSD 06 / A3, MICROBIOLOGY AND CLINICAL MICROBIOLOGY.
- From 1987 to 1988 she work at the Institute of Microbiology of the School of Medicine, of THE Stanford University (California), (Department of Chimeical Engineering, Stanford University, Stanford, California 94305-5025).
- From 1993 to 2007, she carried out assistance activities at the services of microbiological analysis of the *Policlinico Umberto I* of Rome.

INCARICHI ACCADEMICI

ACADEMIC ASSIGNMENTS

Prof. Serena Schippa was, during the three-year period 2011-2013, part of Junta of the Medicine and Pharmacy Faculty at the University of Rome, elected by the Department as Researchers representative.

- 2014 to today. Dr. Serena Schippa is a permanent member of the Doctoral School of Medicine: "Infectious Diseases, Microbiology and Public Health", of Sapienza University of Rome.

TEACHING ACTIVITY

Professor Serena Schippa teaches in 6 classes Microbiology and Clinical Microbiology, within the Medicine Faculty, at the University *La Sapienza* of Rome. 12 CFU.

PARTICIPATION IN FUNDED PROGRAMS

PARTECIPAZIONE A PROGRAMMI DI RICERCA FINANZIATI

Dr Schippa has participated, as a participant or scientific manager, a various research programs funded by the Ministry of Scientific Research and by the Broad Medical Research Program (BMRP). ". She also received funding from the Lazio Region for Fibrosis Cystic, and Private Foundation: "Italian Cystic Fibrosis Foundation".

MAIN RESEARCH LINES

Dr Serena Schippa's main research lines cover the study of microorganism / host interaction, pathogenic mechanisms and innovative therapies.

Fecal transplantation

Dr. Serena Schippa took part, as an expert on intestinal microbiota, to the protocols design for the activation, at the *Policlinico Umberto I*, of the "Procedure of the fecal microbial transplantation" in various pathological contexts associated with intestinal *dysbiosis*: i) treatment of *Clostridium difficile* colitis, refractory to standard treatments; li) to relieve the symptoms in patients with irritable bowel syndrome, refractory to standard treatments; III) to relieve the symptoms and induce remission in patients suffering from ulcerative colitis, refractory to standard treatments. Dr. Schippa is involvement in the protocols is the control of *dysbiosis* in the donor faecal samples, and control of restoration of balance in the faecal microbial ecosystem of recipients. Currently, procedures for the treatment of colitis by *C. difficile* and patients with Irritable Intestinal Syndrome are in progress at the *Policlinico Umberto I*.

SCIENTIFIC ACTIVITY

ATTIVITA' SCIENTIFICA

1. Cicienia A, Santangelo F, Gambardella L, Pallotta L, Iebba V, Scirocco A, Marignani M, Tellan G, Carabotti M, Corazziari ES, Schippa S, Severi C. Protective Role of Postbiotic Mediators Secreted by *Lactobacillus rhamnosus* GG Versus Lipopolysaccharide-induced Damage in Human Colonic Smooth Muscle Cells. *J Clin Gastroenterol.* 2016 Nov/Dec;50 Suppl 2, Proceedings from the 8th Probiotics, Prebiotics & New Foods for Microbiota and Human Health meeting held in Rome, Italy on September 13-15, 2015:S140-S144. PMID: 27741159. Schippa S, Severi C. Equally contribute to the study IF 3,163
2. Iebba V, Santangelo F, Totino V, Pantanella F, Monsia A, Di Cristanziano V, Di Cave D, Schippa S, Berrilli F, D'Alfonso R Gut microbiota related to *Giardia duodenalis*, *Entamoeba* spp. and *Blastocystis hominis* infections in humans from Côte d'Ivoire. *J Infect Dev Ctries.* 2016 Sep 30;10(9):1035-1041. doi: 10.3855/jidc.8179.PMID: 27694739. Schippa S, Berrilli F, D'Alfonso R equally contribute to the study. IF 1,67
3. Montanari E, Di Meo C, Sennato S, Francioso A, Marinelli AL, Ranzo F, Schippa S, Coviello T, Bordi F, Matricardi P Hyaluronan-cholesterol nanohydrogels: Characterisation and effectiveness in carrying alginate lyase. *N Biotechnol.* 2016 Aug 26. pii: S1871-6784(16)32385-8. doi: 10.1016/j.nbt.2016.08.004. PMID: 27576102 IF 2,898
4. Iebba V, Totino V, Gagliardi A, Santangelo F, Cacciotti F, Trancassini M, Mancini C, Cicerone C, Corazziari E, Pantanella F, Schippa S. Eubiosis and dysbiosis: the two sides of the microbiota. *New Microbiol.* 2016 Jan;39(1):1-12. Review. PMID: 26922981 IF 2,13
5. Di Pasquale P, Caterino M, Di Somma A, Squillace M, Rossi E, Landini P, Iebba V, Schippa S, Papa R, Selan L, Artini M, Palamara AT, Duilio A. Exposure of *E. coli* to DNA-Methylating Agents Impairs Biofilm Formation and Invasion of Eukaryotic Cells via Down Regulation of the N-Acetylneuraminase Lyase NanA. *Front Microbiol.* 2016 Feb 11;7:147. doi: 10.3389/fmicb.2016.00147. Erratum in: *Front Microbiol.* 2016;7:383. Palamara, Annateresa [corrected to Palamara, Anna Teresa]. *Front Microbiol.* 2016;7:383.PMID: 26904018 IF 3,989
6. Fusconi M, Petrozza V, Schippa S, de Vincentiis M, Familiari G, Pantanella F, Cirenza M, Iebba V, Battaglione E, Greco A, Gallipoli C, Campo F, Gallo A. Bacterial Biofilm in Salivary Gland Stones: Cause or Consequence? *Otolaryngol Head Neck Surg.* 2016 Mar;154(3):449-53. doi: 10.1177/0194599815622425. PMID: 26759424 IF 1,585
7. Masuelli L, Pantanella F, La Regina G, Benvenuto M, Fantini M, Mattera R, Di Stefano E, Mattei M, Silvestri R, Schippa S, Manzari V, Modesti A, Bei R. Violacein, an indole-derived purple-colored natural pigment produced by *Janthinobacterium lividum*, inhibits the growth of head and neck carcinoma cell lines both in vitro and in vivo. *Tumour Biol.* 2016 Mar;37(3):3705-17. doi: 10.1007/s13277-015-4207-3.PMID: 26462840 IF 2,926
8. Aleandri M, Conte MP, Simonetti G, Panella S, Celestino I, Checconi P, Marazzato M, Longhi C, Goldoni P, Nicoletti M, Barnich N, Palamara AT, Schippa S, Nencioni L. Influenza A virus infection of intestinal epithelial cells enhances the adhesion ability of Crohn's disease associated *Escherichia coli* strains. *PLoS One.* 2015 Feb 23;10(2):e0117005. doi:10.1371/journal.pone.0117005. PMID: 25706391. Schippa S, Nencioni L equally contribute to the study. IF 3,075

9. Giorgia Matteucci, Serena Schippa, Gustavo Di Lallo, Luciana Migliore, Maria Cristina Thaller. Species diversity, spatial distribution, and virulence associated genes of culturable vibrios in a brackish coastal Mediterranean environment. *Annals of Microbiology* December 2015, Volume 65, Issue 4, pp 2311–2321 IF 1,232
10. Schippa S, Conte MP. Dysbiotic events in gut microbiota: impact on human health. *Nutrients*. 2014 Dec 11;6(12):5786-805. doi: 10.3390/nu6125786. PMID: 25514560 IF 3.759
11. Iebba V, Totino V, Santangelo F, Gagliardi A, Ciotoli L, Virga A, Ambrosi C, Pompili M, De Biase RV, Selan L, Artini M, Pantanella F, Mura F, Passariello C, Nicoletti M, Nencioni L, Trancassini M, Quattrucci S, Schippa S. *Bdellovibrio bacteriovorus* directly attacks *Pseudomonas aeruginosa* and *Staphylococcus aureus* Cystic fibrosis isolates. *Front Microbiol*. 2014 Jun 5;5:280. doi: 10.3389/fmicb.2014.00280. eCollection 2014. PMID: 24926292 IF 4,165
12. Serena Schippa, Valentina Totino, Massimiliano Marazzato, Maria Stefania Lepanto, Floriana Santangelo, Marta Aleandri, Antonella Gagliardi, Catia Longhi, Fabrizio Pantanella, Valerio Iebba, Maria Pia Conte (2014). *Escherichia coli* Population-Based Study in Pediatric Crohn's Disease. *Advances in Microbiology*, p. 886-889, ISSN: 2165-3410, doi: 10.4236/aim.2014.413098 IF 0,9
13. Giannelli V, Di Gregorio V, Iebba V, Giusto M, Schippa S, Merli M, Thalheimer U. Microbiota and the gut-liver axis: Bacterial translocation, inflammation and infection in cirrhosis. *World J Gastroenterol*. 2014 Dec 7;20(45):16795-16810. Review. PMID: 25492994. All authors contributed in writing and revising the manuscript. IF 2.848
14. Ambrosi C, Pompili M, Scribano D, Limongi D, Petrucca A, Cannavacciuolo S, Schippa S, Zagaglia C, Grossi M, Nicoletti M. The *Shigella flexneri* OspB effector: an early immunomodulator. *Int J Med Microbiol*. 2015 Jan;305(1):75-84. doi: 10.1016/j.ijmm.2014.11.004. Epub 2014 Nov 11. PMID: 25434600 IF 0,95
15. Conte MP, Longhi C, Marazzato M, Conte AL, Aleandri M, Lepanto MS, Zagaglia C, Nicoletti M, Aloï M, Totino V, Palamara AT, Schippa S. Adherent-invasive *Escherichia coli* (AIEC) in pediatric Crohn's disease patients: phenotypic and genetic pathogenic features. *BMC Res Notes*. 2014 Oct 22;7:748. doi: 10.1186/1756-0500-7-748. PMID: 25338542
16. Trancassini M, Iebba V, Citerà N, Tuccio V, Magni A, Varesi P, De Biase RV, Totino V, Santangelo F, Gagliardi A, Schippa S. Outbreak of *Achromobacter xylosoxidans* in an Italian Cystic fibrosis center: genome variability, biofilm production, antibiotic resistance, and motility in isolated strains. *Front Microbiol*. 2014 Apr 3;5:138. doi: 10.3389/fmicb.2014.00138. eCollection 2014. PMID: 24772108. IF 4,165
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24. Schippa S, Iebba V, Barbato M, Di Nardo G, Totino V, Checchi MP, Longhi C, Maiella G, Cucchiara S, Conte MP. A distinctive 'microbial signature' in celiac pediatric patients. *BMC Microbiol.* 2010 Jun 17;10:175. PMID: 20565734 IF 2,581

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28. Schippa S, Conte MP, Borrelli O, Iebba V, Aleandri M, Seganti L, Longhi C, Chiarini F, Osborn J, Cucchiara S, "Dominant genotypes in mucosa-associated *Escherichia coli* strains from pediatric patients with inflammatory bowel disease", *Inflamm Bowel Dis.* 2009 May;15(5):661- 72. IF 4,358

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32. Berlutti F, Schippa S, Morea C, Sarli S, Perfetto B, Donnarumma G, Valenti P "Lactoferrin downregulates pro-inflammatory cytokines upexpressed in intestinal epithelial cells infected with invasive or noninvasive Escherichia coli strains". *Biochem Cell Biol*. 2006 Jun;84(3):351-7. IF 0,43
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CHAPTERS OF BOOK:

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RECORDED NUCLEOTIDES SEQUENCES:

Nucleotide sequences recorded by Dr. Serena Schippa in the database: GENBANK / EMBL

1. Morganelle morganii phoC gene, access number X64444.
2. Morganelle morganii napA gene, access number X78328.
3. Escherichia coli napA gene, access number X86971.
4. Haemophilus influenzae napA gene access number Y07615.
5. Chryseobacterium (Flavobacterium) meningosepticum olpA gene, access number Y12759.
6. Plasmid vector pGreen-1 access number Y09373.
7. Plasmid vector pGreen-2, access number Y09374.
8. Salmonella enterica genes and ORFW.n. access number AJ237788:
i) ii) iii) iv) v)
tyrB (partial) aphA
yjbQ
yjbR
uvrA (partial)
]

MADRELINGUA

ITALIANA

ALTRE LINGUA

INGLESE

- Capacità di lettura
- Capacità di scrittura
- Capacità di espressione orale

GOOD

GOOD

GOOD

**CAPACITÀ E COMPETENZE
TECNICHE**

*Con computer, attrezzature specifiche,
macchinari, ecc.*

CONOSCENZA DEI SEGUENTI SOFTWARE:

MICROSOFT WORD, XLSTAT, POWER POINT, MICROSOFT EXCEL

PATENTE O PATENTI

(EN) Immunoconjugates comprising human monoclonal antibodies or fragments thereof for diagnostic and therapy

(FRA) Immunoconjugues comprenant des anticorps monoclonaux humains ou des fragments de ces anticorps, utilisés a des fins diagnostiques et thérapeutiques

Pub. No :WO/1998/023286 04.06.1998 **International Application**

No.:PCT/IT1997/000296 26.11.1997

IN FEDE

Serena Schippa

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