

PERSONAL INFORMATION Francesco Iannelli



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Sex male | Date of birth 16/06/1969 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

01/01/2021 - present

Full Professor in Microbiology (SSD BIO/19)

University of Siena, Department of Medical Biotechnologies, Italy

- Director of the Medical Biotechnologies MSc course
- Coordinator of the activity of the Medical Biotechnologies PhD course
- Teaching activities in the Medical Biotechnologies MSc course, Post-graduate school in Microbiology and Virology
- Supervisor for student internships and PhD students
- Research activity: i) Functional characterization of bacterial mobilome, ii) NGS technologies for the study of bacterial genetics and genomics, iii) Bacterial drug resistance

01/10/2016 - 31/12/2020

Assistant Professor in Microbiology (SSD BIO/19)

University of Siena, Department of Medical Biotechnologies, Italy

- Teaching activities in the Medical Biotechnologies MSc course, Post-graduate school in Microbiology and Virology
- Supervisor for student internships and PhD students
- Research activity: i) Microbicide and vaccine, ii) Bacterial drug resistance, iii) NGS technologies for the study of bacterial genetics and genomics

31/12/2008 - 30/09/2016

Lecturer in Microbiology (Ricercatore) (SSD MED/07)

University of Siena, Department of Medical Biotechnologies, Italy

- Teaching activities in the Biotechnology course, Post-graduate school in Microbiology and Virology
- Supervisor for student internships and PhD students
- Research activity: ii) Genetic manipulation of encapsulated and unencapsulated *Streptococcus pneumoniae* strains, ii) Animal model of *Streptococcus pneumoniae* infection

31/12/2002 - 30/12/2008

Staff Scientist

University of Siena, Department of Molecular Biology, Italy

- Teaching activities in the Nursing course and in the Laboratory Technician course
- Supervisor for student internships
- Research activity: i) Microarray technology for the study of bacterial drug resistance, ii) Real Time PCR technology or the study of bacterial mobile genetic elements.

EDUCATION AND TRAINING

10/06/2009

Postgraduate degree in Clinical Microbiology and Virology

University of Siena, Department of Biotechnologies, Italy

Thesis concerning "The conjugative transposon Tn5253 of *Streptococcus pneumoniae*", grade 110/110 *cum laude* Supervisor Prof. Gianni Pozzi

2003

Visiting Fellow

University of Pavia, Department of Biochemistry, Italy, Supervisor Prof. P. Speziale

01/03/2002 - 28/01/2003

Fellow

MPS Foundation - University of Siena, Department of Molecular Biology, Section of Microbiology, Italy

Research concerning "The role of surface protein in *Streptococcus pneumoniae* pathogenicity"
Supervisor Prof. Gianni Pozzi

2001

Visiting Fellow

Laboratoire de Microbiologie et Génétique Moléculaires, CNRS
Université Paul Sabatier, Toulouse Cedex, France, Supervisor Dr. JP Claverys

20/12/2001

PhD in Biotechnology

University of Siena, Department of Molecular Biology, Section of Microbiology, Italy

Thesis concerning "*Streptococcus pneumoniae*: molecular genetics, virulence and antimicrobial resistance", Supervisor Prof. Gianni Pozzi

01/02/1996 - 31/01/1998

Fellow

GlaxoWellcome S.p.A. - University of Cagliari, Department of Sciences, Section of Microbiology, Italy

Research concerning "The characterization of *Streptococcus pneumoniae* unencapsulated mutants"
Supervisor Prof. Gianni Pozzi

14/03/1994

Biological Sciences Degree

University of Siena, Department of Molecular Biology, Section of Microbiology, Italy

Thesis concerning "The molecular monitoring of human immunodeficiency virus type 1 resistance in HIV-1-infected patients under treatment with AZT", grade 110/110 *cum laude* Supervisors Prof. Pier Egisto Valensin, Prof. Maurizio Zazzi

WORK ACTIVITIES

- Awards**
1. 2004 - Chiron award on "Vaccines and microbial pathogenesis: identification of new antigens and virulence determinants" with the paper "Pneumococcal Surface Protein C (PspC) Contributes to Sepsis caused by Streptococcus pneumoniae in Mice. *Infection and Immunity*, 2004, 72, 3077-3080"
 2. 2004 - V ICAAC Program Committee Award on "Resistance: Mechanisms and Consequences" with the abstract "Type M Resistance to Macrolides in Streptococci is not Due to the mef(A) Gene, but to mat(A) Encoding an ATP-Dependent Efflux Pump. 44th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, October 30-November 2, 2004"

Editorial activity

Editorial Board member:

Journal of Global Antimicrobial Resistance (Elsevier), Section Editor since 2017
 ISRN Microbiology (Hindawi Publishing Corporation) since 2011

Referee for Journals since 2009:

Microbial Pathogenesis, BMC Microbiology, Antimicrobial Agents and Chemotherapy, Letters in Applied Microbiology, FEMS Microbiology Letter, Journal of Clinical Microbiology, Annals of Microbiology, Computational and Structural Biotechnology Journal, Journal of Antimicrobial Chemotherapy, AMB Express, Microbial Cell Factories, Journal of Global Antimicrobial Resistance, Current Microbiology, Microorganisms, Frontiers in Microbiology, Scientific Reports

Grants (last 10 years)

1. EU (European Union) FP7 - 2012 Health programme. Project title: Microbicide Optimization Through Innovative Formulation for Vaginal and Rectal Delivery (MOTIF). n. 305316. *Principal Investigator of the research unit UNISI*. Duration span 42 months.
2. MIUR (Ministero dell'Università e della Ricerca Scientifica) - PRIN 2012. Project title: Modelli d'interazione tra microrganismi e ospite nelle infezioni mucosali per lo sviluppo di strategie terapeutiche innovative. n. 2012WJSX8K_010. *Participant to research activity of the research unit UNISI*. Duration span 24 months.
3. EU (European Union) FP7 - IMI JU (Innovative Medicine Initiative Joint Undertaking) - EFPIA (European Federation of Pharmaceutical Industries and Associations) - 2012 - Project title: Biomarkers For Enhanced Vaccine Safety (BIOVACSAFE). n. 115308. *Participant to research activity of the research unit UNISI*. Duration span 60 months.
4. MIUR (Ministero dell'Istruzione dell'Università e della Ricerca) - PRIN 2017 - Project title: Next-generation antibacterials: new targets for old drugs and new drugs for old targets. n. 20177J5Y3P. *Participant to research activity of the research unit UNISI*. Duration span 36 months.
5. EU (European Union) Horizon 2020 (Marie Skłodowska-Curie Innovative Training Networks) - 2019 H2020-MSCA-ITN-2018. Project title: Novel vaccine vectors to resist pathogen challenge (VacPath). n. 812915. Co-Principal Investigator of the research unit UNISI. Duration span 48 months.
6. PRIN (Progetti di Ricerca di Rilevante Interesse Nazionale, MUR, Ministero dell'Università e della Ricerca) - 2020 - Project title: *Transition from asymptomatic colonization to disease by human respiratory-tract bacteria as a target for vaccines and antimicrobial therapy: The CoDiCo (colonization to diseases concepts)*. n. 202089LLEH. *Participant to research activity of the research unit UNISI*.

Patents

1. Bjorck L., Sjöholm A., Janulczyk R., Pozzi G., Iannelli F. Brevetto Nazionale Svedese No. SE20000002728, Publication date January 31st 2002
2. Bjorck L., Sjöholm A., Janulczyk R., Pozzi G., Iannelli F. Protein. Brevetto dell'Organizzazione mondiale della proprietà intellettuale (PCT) No. WO0208426, Publication date January 31st 2002.
3. Bjorck L., Sjöholm A., Janulczyk R., Pozzi G., Iannelli F. Fh-binding protein of Streptococcus pneumoniae. European Patent EP1301602, Publication date April, 16th 2003.
4. Oggioni M.R., Iannelli F., Pozzi G.. Peptidi stimolanti la competenza e loro analoghi funzionali come agenti antibatterici. Italian patent application No. RM2004A000167, Publication date March 31st 2004.

ADDITIONAL INFORMATION

Publications

- Total number of Papers published in peer-review journals: 60,
 - Total Impact Factor (IF): 172,26 (average IF/paper: 3,27),
 - Total number of citations: 2542,
 - H index: 27
- full list available on Scopus ([6701827059](#))*
- Total number of Chapters in Book: 5
 - Total number of Abstracts presented to national and international meeting: 136
 - Total number of Nucleotide Sequences submitted to GenBank: 96