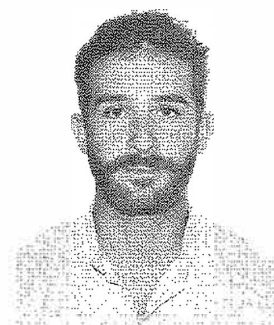


Curriculum Vitae

Name: Adriano Leuzzi

Date and place of birth: February 6th 1984, Rome (RM), Italy



Fiscal Code: LZZDRN84B06H501E

2012 Professional practice licence, "Sapienza" University of Rome.

EDUCATION Master's degree in Cellular Biology, "Sapienza" University of Rome. Final mark 110/110 *cum laude*.
Supervisor: Prof.ssa Bianca Colonna.
Experimental thesis in General Microbiology and Microbial Genetics: "Molecular and genetic characterization of MdtJI: an efflux pump of *E.coli* and Enteroinvasive *E.coli* (EIEC) strains".

2009 Bachelor's degree in Biological Science, "Sapienza" University of Rome.
Final mark 101/110. **Supervisor:** Prof. Bianca Colonna.
Degree thesis: "*Stenotrophomonas maltophilia*, an emergent pathogen".

RESEARCH AND PROFESSIONAL EXPERIENCE

2012-to date Phd student in "Development and Cellular Biology", Department of Biology and Biotechnology "C. Darwin" of "Sapienza" University of Rome.
Tutor: Prof. Bianca Colonna. **Supervisor:** Prof. Gianni Prosseda
PhD thesis: "Pathoadaptive mutation of *Shigella* and EIEC strains, new insights into pathogens evolution".

2010-2012 Internship for Master's degree preparation in the Molecular Microbiology Laboratory of Prof. Bianca Colonna under the supervision of Dr. Gianni Prosseda at the Department of Biology and Biotechnology "C. Darwin" of "Sapienza" University of Rome.
Research activity: Genetic identification and molecular characterization of new potential pathoadaptive mutations in *Shigella* and EIEC strains.

Professional courses:

2015 Human Gut Microbiome and Diseases Congress, organized by Consiglio Nazionale delle Ricerche (CNR), Istituto Tecnologie Biomediche (ITB), Milano (MI), Italy, June 25th – 26th 2015

2014 XIII Congress of the Italian Federation of Life Sciences (FISV), Pisa (PI), Italy, September 24th – 27th 2014.

2014 XIII Congress of the Italian Federation of Life Sciences (FISV), Pisa (PI), Italy, September 24th – 27th 2014.

2014 Meeting "Cortona Procarioti 2014", organized by Genetics School of Cortona, Italian Society of General Microbiology and Microbial Biotechnologies (SIMGBM) and Italian Genetic Association (AGI), Cortona (AR), Italy, May 15th – 17th 2014.

2013 30th SIMGBM National Meeting – Microbiology 2013, organized by the Italian Society of General Microbiology

and Microbial Biotechnologies (SIMGBM) Ischia (NA), Italy, September 18th – 21st 2013.

- 2013 Partecipation to the International EMBO/FEBS Summer Course “Host – Microbes Interactions”, organized by European Molecular Biology Organization (EMBO) and Federation of European Biochemical Societies (FEBS), Spetses, Greece, August 30th – September 7th 2013.
- 2012 “La sicurezza in laboratorio: normative, organizzazione e buone pratiche”, “Sapienza” University of Rome, Italy, November 8th 2012.
- 2012 Meeting “Cortona Procarioti 2010”, organized by Genetics School of Cortona, Italian Society of General Microbiology and Microbial Biotechnologies (SIMGBM) and Italian Genetic Association (AGI), Cortona (AR), Italy, May 3rd – 5th 2012.

Poster presentation:

- 2014 **XIII Congress of the Italian Federation of Life Sciences (FISV)**, Pisa (PI), Italy
“Investigating new pathoadaptive mutations in *Shigella* and EIEC strains given rise to the interaction with host cells”.
A. Leuzzi, M. L. Di Martino, M. Casalino, M. Grossi, B. Colonna e G. Prosseda.
- 2013 **30° Meeting “Microbiology 2013” of the Italian Society of General Microbiology and Microbial Biotechnologies (SIMGBM)**, Ischia (NA), Italy.
“Investigating new pathoadaptive mutations in *Shigella* and EIEC strains given rise to the interaction with host cells”.
A. Leuzzi, M. L. Di Martino, M. Casalino, M. Grossi, B. Colonna e G. Prosseda.
- 2013 **EMBO/FEBS Summer Course “Host – Microbes Interactions”, of the European Molecular Biology Organization (EMBO) and Federation of European Biochemical Societies (FEBS)**, Spetses, Greece.
“Relevance of pathadapative mutations in the interaction of *Shigella* and EIEC strains with host cells”
A. Leuzzi, M. L. Di Martino, M. Casalino, M. Grossi, B. Colonna e G. Prosseda

Publications

Leuzzi A, Di Martino ML, Campilongo R, Falconi M, Barbagallo ML, Marcocci L, Pietrangeli P, Casalino M, Grossi M, Nicoletti M, Colonna B, Prosseda G. “**Multifactor regulation of the MdtJI polyamine transporter in *Shigella***”. PLoS One. 2015; 10(8):e0136744.

Campilongo R, Di Martino ML, Marcocci L, Pietrangeli P, Leuzzi A, Grossi M, Casalino M, Nicoletti M, Micheli G, Colonna B, Prosseda G. “**Molecular and Functional Profiling of the Polyamine Content in the Enteroinvasive *E. coli*: Looking into the Gap between Commensal *E. coli* and Harmful *Shigella***”. PLoS One. 2014; 9(9): e106589.

Technical skills

- Bacterial transformation and transduction techniques;
- Antibigram test and MIC determination; genetic characterization of environmental bacterial strains;
- Site-directed mutagenesis; cloning; PCR; qReal-Time PCR.
- DNA, RNA and protein extraction from bacteria and eucariotic cells; Northern blot; Southern blot; Western blot;
- Cell culture; Flow cytometry;
- Infection techniques; enzyme-linked immunosorbent assay (ELISA)

LANGUAGE KNOWLEDGE

Italian: Native language.

English: Good knowledge of the written and spoken language.

"I hereby grant permission to use my personal data in accordance with Art. 13, Legislative Decree n. 196/03 - Personal Data Protection Code".

Rome,
01/09/2015

