

PERSONAL INFORMATION

LAURA GOVERNINI

 Department of Molecular and Developmental Medicine; Applied Biology Section – University of Siena – “Le Scotte” Viale Bracci, Siena, Italy

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Gender: Female | Date of birth 04/08/1984 | Nationality: Italian

JUNIOR RESEARCHER, DEFINED TIME, TYPE A (RTD-A) – UNIVERSITY OF SIENA

WORK EXPERIENCE

- 01/01/2022 – CURRENT: **JUNIOR RESEARCHER DEFINED TIME TYPE A (RTD-A), SSD BIO/13, APPLIED BIOLOGY - DEPT. OF MOLECULAR AND DEVELOPMENTAL MEDICINE - UNIVERSITY OF SIENA, SIENA, ITALY**
- 2017 – 2021 – **TEMPORARY POST DOC RESEARCH FELLOW** - DEPT. OF MOLECULAR AND DEVELOPMENTAL MEDICINE - UNIVERSITY OF SIENA, SIENA, ITALY

EDUCATION AND TRAINING

- 2008 – 2012: PhD in “Biology of Germinal Cells” (Medical Biotechnology Doctoral School - XXIV cicle), with thesis “*Identification of new players involved in male infertility. Molecular, biochemical and morphological studies in the mouse model of Krabbe disease*”
Dept. of Biomedical Sciences, section Applied Biology - University of Siena - Siena, Italy
- 2009: Qualification to Biologist profession - University of Siena - Siena, Italy
- 2006 – 2008: Magistral doctor in Biotechnology for Human Health – medical curriculum (110/110 cum laude) whit thesis “*Valutazione degli effetti della contaminazione ambientale da composti perfluorurati sulla fertilità umana*”
Dept. of Biomedical Sciences, section Applied Biology - University of Siena - Siena, Italy
- 2003 – 2006: Doctor in Biotechnology (110/110 cum laude) whit thesis “*Studio funzionale del recettore PAR-4 su cellule di linea megacarioblastica*”; Dept. of Human Physiology - University of Siena - Siena, Italy

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s): **ENGLISH**

LISTENING: B2; READING: B2; WRITING: B2;

SPOKEN PRODUCTION: B2; SPOKEN INTERACTION: B2.

JOB RELATED SKILLS (RELEVANT FOR THIS PROJECT)

- **Main activities and responsibilities:**
 - Biology of Human Reproduction
 - Extracellular vesicles in cell-to cell communication
 - Cellular and molecular mechanism regulating the physiology and pathology of male gametes
 - Male infertility and infection
 - Endometrial function in physiology and pathology
 - Human embryo implantation: molecular signaling in the endometrial receptivity

- **Specific Skills:**

- Molecular Biology skills: Genomic DNA extraction, total RNA extraction, ddPCR, RT-PCR, site-directed mutagenesis, manual and automated DNA sequencing, Real Time and High Resolution Melt (HRM). Analysis of polymorphisms.
- Cell Biology skills: Cell proliferation assay and cell culture. Preparation of primary cultures from endometrial biopsy, set-up of 3D culture model.
- Protein skills: Protein purification, SDS-PAGE, Western blot and ELISA
- Microscopy: Light microscopy, Fluorescence microscopy and Transmission electron microscopy
- Data Analysis: Excel, Power-point, Photoshop, Image J, PRISM, DNA; RNA and protein database

DIGITAL SKILLS

Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Microsoft Office | Social Media | Skype | Zoom | Good listener and communicator | Team-work oriented |
Organizational and planning skills | Written and Verbal skills | Decision-making | Motivated

BIBLIOMETRIC INDICES

- Author or co-author of 31 peer reviewed articles in international journals
- Metrics overview:
ORCID 0000-0001-5610-9548
Scopus (<https://www.scopus.com/authid/detail.uri?authorId=36647586800>) H-index: 15 - Citations: 491
Web of Science (<https://www.webofscience.com/wos/author/record/3510974>)
Googlescholar (<https://scholar.google.com/citations?user=Wsyly-0AAAAJ&hl=it>)

RESEARCH PROJECTS

- 2022-CURRENT: (PARTECIPANT) **PRIN2022** in the project entitled "*Identification of Novel Molecular Mechanisms Affecting Spermatogenesis, Sperm Maturation and Epigenetic Signature in Obesity-related male Infertility*"; PI. Prof.ssa Paola Piomboni
- 2020 – 2022: (PARTECIPANT) **FERRING COVID-19 INVESTIGATIONAL GRANTS** in **Reproductive Medicine and Maternal Health**; PI. Prof.ssa Paola Piomboni
- 2020 – 2022: (PARTECIPANT) **FERRING COVID-19 INVESTIGATIONAL GRANTS** in **Reproductive Medicine and Maternal Health**; PI. Prof.ssa Alice Luddi
- 2016 – 2020: (PARTECIPANT) **GRANT FOR FERTILITY INNOVATION PARTECIPANT - GFI**, in the project entitled "*Exosomal profile of the receptive endometrium: a source of non-invasive biomarkers for guiding of a successful embryo implantation*"; PI. Prof.ssa Piomboni

*"According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016,
I hereby express my consent to process and use my data provided in this CV."*