

Paola Piomboni, PhD

POSITION Full Professor of Applied Biology, Department of Molecular and Developmental Medicine, University of Siena, (Siena, Italy) and Head of the ART Laboratory at the Assisted Reproduction Unit, Siena University Hospital, (Siena, Italy)

EDUCATION/ TRAINING

1987 Degree in Biological Sciences, University of Siena, Siena, Italy.

1995 PhD in “Biology of Germ Cells”

CAREER

1987-1989: Post-Lauream Fellowships from National Academy of Lincei, Rome, Italy.

1995-1996: Post-Lauream Fellowship from National Research Council (CNR), Rome Italy.

1996-1998: Research contract with the University of Siena for the coordination of the electron microscopy and immunocytochemistry laboratories for basic and applied cellular biology researches at the Institute of General Biology, University of Siena, (Siena, Italy).

1998-2007: Researcher at the Faculty of Medicine, University of Siena, Italy.

2007-2016: Associated Professor of Applied Biology, Faculty of Medicine, University of Siena, Italy.

2013-Faculty Board Member of the International PhD in Molecular Medicine, University of Siena, University of Pisa and University of Florence Consortium, Italy.

2017 Full Professor of Applied Biology, University of Siena, Italy.

2018-Chair of the Master in “Medical Biotechnology and Biology of Human Reproduction”, University of Siena, Italy

2018-Chair of the Second Level Master’s degree in Biotechnologies of Human Reproduction, University of Siena, Italy

HOSPITAL AFFILIATION

1999 - Senior Biologist, Chief of the Laboratory of Assisted Reproductive Technology and Gametes cryobanking of the Assisted Reproductive Unit, Siena University Hospital, Siena, Italy.

NATIONAL and INTERNATIONAL GRANTS

1991-1993 Italian Health Ministry, IV-VI Research Project on AIDS

1995-1997 Italian Health Ministry, VIII-X Research Project on AIDS”

1998-2000 Italian Ministry University (MIUR): “Membrane receptor on human germ cells in different experimental conditions”

- 2000-2002 Italian Ministry University (MIUR): “Pathology of the male germ cell differentiation”
- 2005-2007 Italian Ministry University (MIUR): Evaluation of new ovarian and endometrial markers in assisted reproductive techniques
- 2007 *PI*: Monte dei Paschi Foundation – Siena University. Major Equipment Project: “*Workstation for Living Cell Imaging - Leica AF6000LX*”
- 2010-2011 Italian Ministry University (MIUR): Preterm delivery: molecular, biochemical and biophysical markers of the fetal-placental unit.
- 2011-2012 Research Project - Multicentre study Merck-Serono on: “DNA sperm fragmentation in idiopathic infertile male before and after *Gonal-f* therapy.”
- 2013-2015 Research Project - A phase III randomized, controlled single-blind multicentre parallel arms trial to assess the efficacy and safety of *Pergoveris* and *Gonal-f* for multifollicular development as part of an assisted reproductive technology treatment cycle in poor ovarian responders, as defined by the ESHRE criteria
- 2016 Grant for Fertility Innovation 2016 “Exosomal profile of the receptive endometrium: a source of non-invasive biomarkers for guiding of a successful embryo implantation”.

NATIONAL and INTERNATIONAL ACKNOWLEDGMENTS

- 2017 Award for the best Poster at SEUD Congress, 6th – 8th April 2017, Singapore.
- 2017 Clinical Science Award for best Poster Presentation, 33rd ESHRE Meeting, 2th-5th July 2017, Geneva, Switzerland.

PROFESSIONAL SOCIETY COMMITTEE APPOINTMENTS

- 2007-2009: Executive Committee of the Italian Society of Embryology, Reproduction and Research (SIERR)
- 2009- 2011 Bursar of the Italian Society of Embryology, Reproduction and Research
- 2010 Clinical embryologist certification of the European Society of Human Reproduction and Embryology.
- 2016- Executive Committee of the Italian Society of Reproduction (SIDR)
- 2018- Scientific Committee Italian Society of Embryology, Reproduction and Research
- 2018- Board of Directors of Tuscany Life Sciences (TLS) Foundation, Siena, Italy

PROFESSIONAL SOCIETY MEMBERSHIP

- European Society of Human Reproduction and Embryology (ESHRE)
- Faculty of 1000 (Reproductive Endocrinology Section)
- Italian Society of Biology and General and Molecular Genetics (AIBG)
- Italian Society of Embryology, Reproduction and Research (SIERR)
- Italian Society of Reproduction (SIDR)

EDITORIAL EXPERIENCE

Editorial Board of Frontiers in Endocrinology;_Peer-Reviewer for international Journals__(Fertility and Sterility, Human Reproduction, Molecular Human Reproduction, Gynecological Endocrinology, RBMonline, Andrologia, Journal of Andrology, Andrology, Asian Journal of Andrology, Journal of assisted reproduction and genetics, Reproductive Science, Reproductive Biology and Endocrinology, Frontiers in Endocrinology)

SCIENTIFIC ACTIVITY

Her scientific interest is focused on the biology of human reproduction, particularly on male and female gametes physiology and pathology related to the infertility. In the last ten years, she is investigating the ovarian and endometrial physiology and pathology, particularly the molecular profile of the follicular microenvironment and the endometrial receptivity, the exosomal profile of healthy and pathological endometrium causing implantation failure, particularly in endometrial disorders such as endometriosis or uterine fibroids.

Author or co-Author of 130 peer reviewed papers in international Scientific Journals (H Index: 34; 3845 citations in the last 15 Years-*Scopus*)