



**DR.SSA SARA FUSCO**  
**Senior Embryologist**

## **EDUCATION**

- 2018 Gametes and embryos Vitrification Course update "Vitrification Tips and Tricks" Milan (Italy).
- 2017 Update on the Ovocank Cryopreservation Course at the Foreign Bank Ovobank, Marbella, Head of the Dr. Enrique Criado Center Ovobank, Marbella (Spain)
- 2016 CNT, National Transplant Center "11th edition of the PMA Laboratory Personnel Course on the application of the requirements set out in the Legislative Decrees 191/2007 and 16/2010 to the PMA Centers" CNT, National Transplant Center, Lucca (Italy)
- 2015 Training course "Advanced course of ART, Embryo Biopsy and Vitrification of Embryos and Oocytes" Iakentro Advance Medical Center, Thessaloniki (Greece)
- 2014 II Level Master in "Prenatal Diagnosis and Fetal Pathology" La Sapienza University of Rome, Faculty of Pharmacy and Medicine. San Camillo Forlanini Hospital, Rome (Italy)
- 2013 Theoretical and practical course in "Preimplantation Genetic Diagnosis" Molecular Genetics Center Reprogenetics. Heads of the Center and of the Course Dr. Mireia Sandalinas and Dr. Carles Gimenez Reprogenetics Molecular Genetics Center, Barcelona (Spain)
- 2013 "Training Course in Reproductive Medicine" Scientific Director Dr. Paolo Emanuele Levi Setti Auditorium of the 'Istituto Clinico Humanitas', Rozzano (Italy)
- 2010 Obtaining professional qualification University of Tuscia, Viterbo (Italy)
- 2010 Master's Degree in General and Applied Biology with specialization in Biology of Reproduction and Cellular Differentiation. Discussion of the experimental thesis in Reproductive Biology "Effects of sperm separation, cryopreservation and in vitro culture of spermatozoa on DNA fragmentation" with a score of 108/110.

University of Naples "Federico II", Naples (Italy)

2007 Bachelor's Degree in General and Applied Biology. Discussion of the experimental thesis in Genetics: "The genetic causes of male infertility" with vote 108/110.  
Second University of study in Naples, Naples (Italy)

2003 High School Diploma  
"Armando Diaz" Scientific High School, Caserta (Italy)

## **PROFESSIONAL EXPERIENCE**

2018-  
to today Professor at the International School of Reproductive Medicine in Rome.

15/01/2018  
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to today Head of the Embryology, Andrology and Cryopreservation laboratory at the PMA center Grimaldi Medical Group®  
Grimaldi Medical Group®, Rome (Italy)

02/2018–  
03/2018 Embryologist for PMA treatment cycles and Tutor for the management of the quality and traceability system at the PMA Palmer center, Reggio Emilia.  
Palmer Private Clinic Center, Reggio Emilia (Italy)

01/04/2015  
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31/12/2017 Head of the Embryology, Andrology and Cryopreservation laboratory at the PMA Nuova Villa Claudia center in Rome  
PMA Center Nuova Villa Claudia, Rome (Italy).

2015-2016 Start-up coordinator of the new PMA Center in Nuova Villa Claudia in Rome.  
PMA Center Nuova Villa Claudia, Rome (Italy).

2012–2014 Embryologist at the Center for Reproductive Medicine at the Nuova Villa Claudia Nursing Home, Rome.  
Nursing Home Nuova Villa Claudia, Rome (Italy)

2010–2012 Embryologist at the G.en.e.r.a Reproduction Center, Valle Giulia Clinic, Rome  
G.en.e.r.a, Valle Giulia Clinic, Rome (Italy).  
G.en.e.r.a, Clinica Valle Giulia, Roma (Italia)

2009–2010 Thesis Student and Trainee at the G.en.e.r.a Reproduction Center, Valle Giulia Clinic, Rome.  
G.en.e.r.a, Valle Giulia Clinic, Rome (Italy).

07/2014–  
09/2014 Internship in molecular cytogenetic methods (Array CGH) in Prenatal Cytogenetic Diagnosis at the Laboratory of Medical Genetics, Faculty of Pharmacy and Medicine of La Sapienza University, San Camillo Forlanini Hospital, Rome  
La Sapienza University of Rome, Faculty of Pharmacy and Medicine. San Camillo Forlanini Hospital, Rome (Italy)

## **PROFESSIONAL SKILLS**

Oocyte extraction with evaluation of the follicular fluid;  
Egg retrieval with evaluation of the follicular fluid;  
Decumulation of CCOS and evaluation of oocyte characteristics;  
Preparation of seminal fluid for I, II and III level techniques;  
ICSI, PICSI, FIVET, ICSI from testicular biopsy (TESE) and needle aspirate (FNA) procedures;  
Evaluation of oocytes, embryos and blastocysts;  
Embryo transfer;  
Vitrification of oocytes, embryos and blastocysts;  
Seminal fluid freezing and testicular biopsies.

## **PROFESSIONAL ACADEMIC PATH**

21-25 May 2018: Professor at ISO IVF International School of Reproductive Medicine, Rome (Italy). Theoretical and practical course in Reproductive Medicine. Teaching: "The PMA laboratory".

18 May 2018: Speaker at the National Congress of Reproductive Medicine CECOS, SIFES MR., SIOS, Riccione. Title of the report: "Coltura prolungata allo stadio di blastocisti in un programma di fecondazione eterologa con ovociti crioconservati".

February 2018: Speaker at the Congress "Congress of Reproductive Medicine". Title of the report: "L'ovocita crioconservato: quali implicazioni funzionali." at the Pietro d'Abano Congress Center in Abano Terme. Presidents Dr. Carlo Foresta and Dr. Andrea Lanzone.

9 November 2017: Update of the Gamete Vitrification Course and Embryos "Vitrification Tips and Tricks", Milan.

February 2017: Update to the Oocyte Cryopreservation Course at Ovobank Foreign Bank, Marbella. Head of the Dr. Enrique Criado Center.

4 February 2017: "Shipping Gametes and Embryos" Milan refresher course.

2016: CNT, National Transplant Center 11th edition of the PMA Laboratories Course on the application of the requirements set out in the legislative decrees 191/2007 and 16/2010 to the PMA centers, Lucca.

3- 6 July 2016: 30 h Annual Meeting ESHRE, European Society of Human Reproduction and Embryology. Helsinki, Finlandia.

22-27 June 2015: Training course "Advanced course of ART, Embryo Biopsy and Vitrification of embryos and oocytes". Iakentro Advance Medical Center, Thessaloniki, Greece.

27-28 February 2015: Congresso “La riproduzione umana tra confini e tecnologie”. Abano Terme. Presidents Dr. Carlo Foresta and Dr. Andrea Lanzone.

14 February 2015: Congress Ovobank “Ovodonazione nella fecondazione eterologa”, Naples.

7- 10 July 2013: 29th Annual Meeting ESHRE, European Society of Human Reproduction and Embryology. Londra, United Kingdom.

13 December 2013: Workshop "Embryo culture: Diverse scelte a confronto", Hotel Royal Santina., Rome . Presented by Dr. Giovanni Coticchio.

15 June 2013: Conference “Il sistema qualità nei centri PMA e le problematiche nella crioconservazione dei campioni biologici: il punto del Dlgs 191/07 ” at Cryolab, Rome.

1 June 2013: Theoretical seminar and practical workshop “Conservazione della fertilità femminile: Opzioni terapeutiche della crioconservazione”. Responsible for the Masashige Kuwayama practical course. At the Maxxi Museum, Rome.

31 January/ 2 February 2013: "Corso di Formazione in Medicina della Riproduzione ". Auditorium of the Humanitas clinical institute, Rozzano. Scientific Coordinator Dr. Paolo Emanuele Levi Setti.

30 November 2012: Conference “Endocrinopatie e Riproduzione”. Rome.

25 October 2012: Conference COOK , G.en.e.r.a. Centre for Reproductive Medicine “Embryo culture: can we perform better than nature ?”. Roma

1-4 July 2012: 27<sup>th</sup> Annual Meeting ESHRE, European Society of Human Reproduction and Embryology, Istanbul (Turchia).

26-28 May 2011: Conference FISSR, Italian Federation of Reproduction Scientific Societies at the Palazzo dei Congressi in Riccione.

6-8 May 2010: Exhibition Poster of the experimental work of his thesis “Effetti della separazione nemaspermica, della crioconservazione e della coltura in vitro degli spermatozoi sulla frammentazione del DNA” at the Palazzo dei Congressi in Riccione. National Congress of Reproductive Medicine. CECOS, SIFES MR., SIOS.

27-30 June 2010: 26<sup>th</sup> Annual Meeting ESHRE, European Society of Human Reproduction and Embryology, at La Nuova Fiera, Rome.

22-23 November 2007: 4th National Congress of SIERR, Italian Society

of Reproduction and Research Embryology at the Ex Benedictine Monastery of Pisa.

13 July 2007: Seminary “ Genetica dell’ infertilità maschile” at the Faculty of Mathematical, Physical and Natural Sciences, Second University of Naples.