

PERSONAL INFORMATION

Francesca Gioia Klinger✉ francesca.klinger@unicamillus.org

Nationality Italian

POSITION HELD

Associate Professor in Histology and Embryology
Saint Camillus International University Of Health Sciences

WORK EXPERIENCE

2006-2021 **Researcher- Histology**
Università di Roma Tor Vergata – Dipartimento di Biomedicina e Prevenzione2014-2021 **Assistant Professor, Histology**
Università di Roma Tor Vergata – Dipartimento di Biomedicina e PrevenzioneFrom 2021 to today **Associate Professor, Histology**
Saint Camillus International University Of Health Sciences

Education and Training

2004 - 2005 **Postdoctoral Research Assistant**
Università di Roma Tor Vergata, Dipartimento Sanità Pubblica e Biologia Cellulare, Roma, Italia2003 - 2004 **Postdoctoral Research Assistant**
National Institute for Medical Research (NIMR), Division of Developmental Genetics, Londra, Regno Unito2002 - 2003 **Fellowship Cesare Serono Foundation**
Ricerca svolta presso National Institute for Medical Research (NIMR), Division of Developmental Genetics, Londra, Regno Unito1998 – 2002 **Doctorate in Philosophy in Science and Cellular Biotechnologies**
Università di Roma La Sapienza, Roma, Italia
▪ Cell cycle control in the embryonic gametogenesis.
Prof. Massimo De Felici, Università di Roma Tor Vergata, Dipartimento di Sanità Pubblica e Biologia Cellulare

1992-1998

Degree in Biological Science

Università di Roma Tor Vergata, Roma ,Italia

PERSONAL SKILLS AND COMPETENCE**Teaching activity
Master's Degree Courses**

Assistant Professor - HISTOLOGY Course at Faculty of Medicine and Surgery, UniCamillus - Saint Camillus International University of Health Sciences -

Teaching assignment at the Faculty of Medicine and Surgery, Catholic University "Our Lady of Good Counsel", Tirana, Albania, in the Degree Course in Medicine and Surgery, in the teaching of HISTOLOGY

Assignment of the HISTOLOGY and EMBRYOLOGY course at International Medical School, University of Rome Tor Vergata

Assignment of the teaching of HISTOLOGY at the Faculty of Medicine and Surgery, of the University of Rome Tor Vergata, in the Degree Course in Dentistry and Dental Prosthetics,

Teaching assignment at the Faculty of Medicine and Surgery, Catholic University "Our Lady of Good Counsel", Tirana, Albania, in the Degree Course in Dentistry and Dental Prosthetics, in the Teaching of HISTOLOGY

Degree courses

Coordinator of the Integrated Course of Histology, Biology, Human Anatomy and Genetics - Biomedical Laboratory Techniques Course, University of Rome Tor Vergata

Assignment of the teaching of HISTOLOGY at the Faculty of Medicine and Surgery, of the University of Rome Tor Vergata, in the Biomedical Laboratory Techniques, Dietistics, Speech Therapy, Nursing, Physiotherapy and Psychiatric Rehabilitation Techniques Course

Master

Professor at the 2nd level Master in "Applied Human Embryology" at the University of Roma Tre

Professor of the Master in "Oral Surgery and Pathology" at the Catholic University of the Sacred Heart, Agostino Gemelli Polyclinic.

PhD

Participation in the teaching staff in the context of research doctorates "BIOTECNOLOGIE MEDICHE E MEDICINA TRASLAZIONALE", Università degli Studi di ROMA "Tor Vergata"

Participation in the teaching staff in the context of research doctorates "SCIENZE E BIOTECNOLOGIE DELLA RIPRODUZIONE E DELLO SVILUPPO", Università degli Studi di ROMA "Tor Vergata"

Activities as a supervisor of students and PhD students

- Supervisor of thesis students from the University of Rome Tor Vergata, Faculty of Biological Sciences

- Supervisor of students enrolled in the Doctoral program in MEDICAL-SURGICAL

BIOTECHNOLOGY AND TRANSLATIONAL MEDICINE (5 students from 2012 to present)

- Supervisor of postdoctoral students (3 students from 2015 to present)

Member of the "College of Teachers of Histology and Embryology" from 01-01-2007 to today

External reviewer for doctoral thesis in the PhD course in "Morphogenesis and Tissue Engineering" at the University of Rome La Sapienza and in "Biomedical Sciences and Oncology" at the University of Turin

Scientific Research Activities

Scientific activity is focused on the biology of reproduction, in particular on the development of female germ cells. Over the years I have studied the cellular and molecular mechanisms that influence mammalian oocytes in their maturation, from ingestion into meiosis during embryonic life to the formation and development of follicles. In recent years, research has focused on the preservation of the ovarian reserve, which is highly sensitive to chemotherapy and on the study of innovative mechanisms for the protection of primordial follicles. Several scientific papers have been published on the subject, allowing the development of international collaborations and various national and international funding. Research has led to the discovery that the LH hormone has a protective action on the ovarian reserve and that mesenchymal stem cells could be used to protect the ovary of mammals.

Fields of interest:

Preservation of female fertility and ovarian function.

Development of germ cells, from their formation in embryonic life to their maturation.

Coordination of Research Projects

Project Manager "The use of LH for preserving reproductive health in cancer patients" finanziato da Merck Serono spa.

Project Manager "Evaluation of the metastatic potential of two differently sialinated recombinant FSH formulations on breast cancer" finanziato da Merck KGaA. PI: Dr. M. De Laurentiis CUP. H66C18000050007

Fondi per il Finanziamento delle Attività Base di Ricerca (FFABR) dal 01-01-2018 al 01-01-2019

Project Manager "Effect of LH on damage induced in mouse ovarian somatic cells by chemotherapeutic drugs" finanziato da Merck Serono spa.

Project Manager: Meccanismi di protezione di nuovi farmaci sull'ovaio trattato con chemioterapici, finanziato con erogazione liberale da CONVERT Italia SPA.

Project Manager: Meccanismi di protezione di nuovi farmaci sull'ovaio trattato con chemioterapici, finanziato con erogazione liberale da SICAMB

Project Manager "Female Ovarian Reserve Preservation: Biological mechanism involved" finanziato da Merck Serono spa.

Project Manager "Valutazione in vitro degli effetti di composti chemioterapici sulla riserva ovarica" finanziato da Merck Serono spa.

Project Manager "Valutazione in vitro degli effetti di composti chemioterapici sulla riserva ovarica" finanziato da Merck Serono spa.

Participation in Research project

Participation in the project "Progetti di Gruppi di Ricerca 2020" - POR FESR Lazio 2014-2020-Domanda n. PROT. A0375-2020-36775 finanziato da Lazio Innova

Participation in the project "Progetti Strategici 2019" - POR FESR Lazio 2014-2020-Domanda n. PROT. A0320-2019- 28157 finanziato da Lazio Innova

Participation in the project from National Natural Science Foundation of China da titolo: Investigating the intergenerational inheritance and stability of internal environment effects on global methylation using an obese mouse model. Principal Investigator: Zhaojia Ge. Project Number: 31872312

Participation in the project Grant for Fertility Innovation. Principal Investigator: Dr. Luisa Campagnolo

Participation in the project ESHRE Grant 2014-01. Ruolo: Associated investigator. Principal Investigator: Prof. Norah Spears. Titolo: Can tyrosine kinase inhibitors protect the ovary against chemotherapy-induced damage?

Participation in the project Ricerca Scientifica di Ateneo Consolidate hhe Foundations (Consolidare le Fondamenta), Principal Investigator: Prof. Massimo De Felici, Titolo: In vitro test for ovary protection by tyrosine kinase inhibitors against chemotherapy-induced damage. 2015-2016

Participation in editorial committees

Topic Editor in "Intra- and Extra-Environment and Reproduction" per Frontiers in Cell and Developmental Biology 2021

- Associate Editor for Reproduction and Fertility, Bioscientifica Ltd dal 25-2-2021

- Associate Editor for Frontiers in Reproductive Health dal 17-09-2020

- Referee: Human Reproduction, Reproduction, Cell Death and Differentiation, Cell Death and Diseases, Oncotarget

- Co-Author: Cell Death in Mammalian Ovary. Springer Editore DOI: 10.1007/978-94-007-1134-1

Membership in scientific societies

- Coordinator of the Scientific Committee of the SIERR Society, Italian Society of Embryology, Reproduction and Research, From 02-2020 to 03-2022
- Member of the Board of Directors of the SIERR Society Italian Society of Embryology Reproduction and Research, From 02-2020 to 03-2022
- Member of the Board of Directors of the SIFES-RM Society, Italian Society of Fertility and Sterility-Reproductive Medicine from 31-12-2019 to 31-12-2021
- Member of the Scientific Committee organizing the Web Meeting of the SIERR company "SIERR UPDATE: Inspections by the Competent Authorities: instructions for use" 20-05-2021
- Treasurer of SIFES-RM, Italian Society of Fertility and Sterility-Reproductive Medicine from 31-12-2019 to 31-12-2021
- Member of the Scientific Committee of the SIERR Society, Italian Society of Embryology, Reproduction and Research from 02-2018 to 02-2020
- Member of the Scientific Society ESHRE, European Society for Human Reproduction
- Member of the Scientific Society SIERR - Italian Society of Embryology, Reproduction and Research
- Member of the ISFP Scientific Society, International Society for Fertility Preservation
- Member of the ASRM Scientific Society, American Society for Reproductive Medicine

Evaluation of competitive selection procedures

- Evaluation of selection procedures for the Israel Science Foundation, Personal Research Grant, 2021

University activities

- Member of the Board of the Department of Biomedicine and Prevention, University of Rome Tor Vergata, 2016-2019
- Member of the Board of the Faculty of Medicine and Surgery, University of Rome Tor Vergata, 2016-2019
- Member of the IMAT admission exam commission to the degree course in Medicine and Surgery at the University of Rome Tor Vergata, 2019 and 2020
- Member of the Board of Directors as Director of CryoLab SRL, Rome, since 09/11/2017

Meeting

Participation in national and international congresses as speaker and moderator

For the past 8 years responsible for a research team of at least 3 people.



Roma, 27 Luglio 2022