

Curriculum vitae et studiorum

Prof. Dr. Manuela Simoni MD, PhD

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| Academic Titles | MD, PhD Specialized in Endocrinology and Metabolism “Privatdozent” (approved lecturer) in Reproductive Medicine (Germany) University Professor of Endocrinology and Molecular Biology of Reproduction, University of Münster (Germany) (until 2007) Full professor of Endocrinology, University of Modena & Reggio Emilia (Italy) |
| Current position | Full Professor of Endocrinology, Department of Biomedical, Metabolic and Neural Sciences, University of Modena & Reggio Emilia (Italy) Director of the Unit of Endocrinology Director of the Department of Medical Specialties University Hospital of Modena (Italy) |
| General | Born in Carpi (Italy) on July 4, 1956 Nationality: Italian Married, two children |
| | Education and academic career |
| 1975 | School-leaving certificate, Liceo Classico U. Foscolo, Albano L. (Roma, Italy). |
| 1976-1982 | Study of Medicine at the University of Modena, Italy. |
| 1982 | MD in Medicine and Surgery (with honours) University of Modena, Italy (Thesis on RIA of serum androstenedione). |
| 1982 | State exam as Physician (“Abilitazione professionale”), University of Modena, Italy. |
| 1982-1985 | Resident in Endocrinology, University of Modena, Italy. |
| 1984-1985 | Courses in Biosexology and New Technologies in Endocrinology University of Modena, Italy. |
| 1985 | Specialization in Endocrinology (with honours), Postdoctoral School of Endocrinology, University of Modena, Italy. (Thesis on pulsatile secretion of LH in elderly males). |
| 1987-1990 | PhD course in Endocrinology and Metabolism, University of Modena, Italy. |
| 1991 | PhD (Dottore di Ricerca) in Endocrinology and Metabolism, awarded by the Ministry of University, Science and |

- Technology, Roma, Italy (Thesis on FSH-like bioactivity in human pregnancy).
- 1993-1994** Course on animal experimentation University of Münster, Germany.
- 1995** Approved as Physician („Approbation als Ärztin“), Münster, Germany.
- 1997** Course on legal and safety aspects of gene technology, University of Münster, Germany.
- 1997** „Habilitation“(Privatdozent/Lecturer) for Reproductive Medicine at the Medical Faculty of the University of Münster, Germany.
- 1998** Appointment as University Professor of Endocrinology and Molecular Biology of Reproduction at the University of Münster, Germany.
- 1999** Course on direction of collaborators and subordinates.
- 2007-today** Full Professor of Endocrinology, University of Modena and Reggio Emilia, Italy.
- 2015** Course on direction and management of clinical units.
- 2022** Course (revalidation) on direction and management of clinical units.

Fellowships, professional activity, research visits

- 1985-1987** Fellowship at the Center of Chronoendocrinology, University of Modena, Italy.
- 1988** Research fellow at the Max Planck Research Group for Reproductive Medicine, University of Münster, Germany.
- 1989** Research Assistant, University of Modena, Italy.
- 1990** Alexander von Humbolt fellowship (awarded).
- 1990-1998** Research Assistant, Institute of Reproductive Medicine, University of Münster, Germany.
- 1994** Research visit at the Institute of Physiology of the University of Turku, Finland (acquisition of transgenic mice technology).
- 2000** Research visit at the Department of Molecular Cell Biology, The Weizmann Institute of Science, Rehovot, Israel.
- 2019-2020** Le Studium- Marie Curie - Fellow (on sabbatical leave) at the National Institute of Agronomic Research (INRA), Nouzilly, France

Clinical and Professional Activity

- 1990-1998** Research Assistant, Institute of Reproductive Medicine, University of Münster, Germany
- 1997** Reproductive Medicine Lecturer (Privatdozent), University of Münster, Germany.
- 1998-2007** University Professor of Endocrinology and Molecular Biology of Reproduction, University of Münster, Germany.
- 2007-today** Full Professor of Endocrinology (MED 13), University of

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| 2013-today | Modena and Reggio Emilia, Italy. Director of the Unit of Endocrinology, University Hospital, Modena, Italy |
| 2021-2023 | Acting Director, Unit of Dermatology, Azienda Ospedaliero- Universitaria di Modena, Italy |
| 2021-today | Director of the Department of Medical Specialties University Hospital of Modena (Italy) |

Awards/Grants/Scientific Prizes

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| 1992 | Prize of the Italian Society of Endocrinology for the best PhD thesis 1991, Genova, Italy |
| 1993 | Prize of the International Society of Andrology for the best miniposter at the 5 th International Congress of Andrology, Tokyo, Japan (travel grant). |
| 1990-1994 | German Research Council grant for the project: “Bio and Immunoactivity of FSH and testicular FSH receptors in male infertility”. |
| 1994-2001 | German Research Council grant for the project: “Mutational analysis of the FSH receptor and transgenic models for the study of FSH effects”. |
| 1999 | Prize of the Richard Merten Foundation for the organization of an European Quality Control Programme on molecular diagnosis of Y-chromosomal microdeletions. |
| 1999 | Prize “Italia” for Scientific Cooperation of the German-Italian Economic Association (DIW) and of the Italian Embassy in Germany |
| 2001-2003 | German Research Council grants for the projects: “The Sertoli cell as a signal transducer for spermatogenesis” and “Role of the exon 10 of the LH receptor for discrimination between hCG and LH”. |
| 2001 | Research grant from the Medical Faculty for the project: “Identification of LH in the marmoset monkey”. |
| 2001-2005 | German Research Council grant for the project “Role of two polymorphisms in the FSH receptor for the response of granulosa cells to FSH“. |
| 2003-2006 | German Research Council grant for the project „The dual LH/CG system in primates: role in activation and function of the LH receptor”. |
| 2005-2007 | Research grant from the Medical Faculty for the project: “Post- transcriptional regulation of human LH receptor function by a new, primate-specific splicing variants”. |
| 2006-2009 | German Research Council grant for the project: “Long-term suppression of gonadotropins and spermatogenesis in non- human primates by testosterone undecanoate and |

- norethisterone enanthate: endocrine and molecular characterisation of response, efficacy, reversibility, and side effects”.
- 2006-2007** Research grant from the Medical Faculty for the project: “Functional role of the LH receptor exon 10 in the ligand specificity and signal transduction”.
- 2008-2010** Research grant of the “Fondazione Cassa di Risparmio di Modena” for the project “Molecular pharmacogenetics of response to the follicle-stimulating hormone (FSH): role of FSH receptor variants”
- 2009-2012** Promoter and manager of the FIRB research grant (Italian Ministry of University and Research) for the project “Diagnostic and therapeutic potential of lysosphingolipids and their mimetics in arteriosclerosis”
- 2009-2010** Research grant of Ferring International Center S.A. for the project “Molecular effects of LH and hCG on human granulosa cells in vitro”
- 2009-2010** Research grant of Merck-Serono SpA, Italy, for the project “Two hormones for one receptor: dissecting out LH and hCG activity. An in vitro approach”.
- 2010** Mobility grant for international collaborations of the University of Modena and Reggio Emilia for a project on “Metabolic syndrome and male infertility”
- 2010** Research grant for the multicenter project “Idiopathic central hypogonadism (ICH) as an emerging clinical problem: investigations on the disrupted signals underlying its pathogenesis and generation of an efficient national network for its diagnosis and management”. Italian Ministry of Health “Young Italian Researchers 2008”. Local partner.
- 2010-2012** PI of the clinical trial “Significance of the FSH receptor polymorphism p.N680S for the efficacy of FSH therapy of idiopathic male infertility: a pharmacogenetic approach” (grant from Merck Serono)
- 2013-2015** PI of the PRIN Project “AMLET” (Italian Ministry of University) with nine participating Units
- 2012-2015** Member of the COST Action BM1105 “GnRH deficiency: Elucidation of the Neuroendocrine Control of Human Reproduction” (Deputy Management Committee Member)
- 2015** Grant Fondazione Cassa di Risparmio di Vignola for the project “A new diagnostic algorithm: fertility as a marker of general male health
- 2015** Conference Grant from the Fondazione Cassa di Risparmio di Modena for the organization of the international EYES meeting (European Society of Endocrinology)
- 2015** Research grant from Merck for the project “Improving hormone analysis by assessing serum steroids by Liquid

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| 2016-2017 | Chromatography-Tandem Mass Spectrometry (LC-MS/MS) Research grant from Ferring for the project “In-depth characterization and comparison of commercial drugs for assisted reproduction (GONADIVY)” |
| 2016 | Research Grant from Merck for the study “A multicentre, longitudinal, observational cohort study (open registry) on male-fertility management for subjects in indication for FSH treatment in couples attending assisted reproductive technique (MIRI)”. Principal Investigator. |
| 2016-2018 | Research grant from Merck for the study GENACOS “A multicentre, longitudinal, cohort, interventional (venipuncture), non-pharmacological study to evaluate the impact of gonadotropin genetics together with ovarian reserve on the clinical outcome of IVF in infertile normo-gonadotropic women treated according to clinical practice” – Acting as central lab. |
| 2017-2020 | Participant to PRIN Project “On the pleiotropic role of type 5 phosphodiesterase” (Italian Ministry of Health), coordinated by Prof. E. Jannini (2015XCR88M) |
| 2017-2019 | Research grant for the study “In-depth characterization of commercial GnRH antagonists in vitro” (funding: Merck) |
| 2017-2019 | Clinical Research Project “Combined therapy with Levothyroxin and Liothyronine in thyroidectomized patients (Grant: IBSA) |
| 2020 | Special Recognition Award of the European Society of Endocrinology |
| 2020-2022 | PRIN Project “Multilevel Machine Learning of toxicogenomic, molecular, endocrine, genotoxic and transgenerational effects of air pollution on reproduction” Coordinator (2017TK7Z8L) |
| 2021-2023 | Bill & Melinda Gates Foundation Research Grant on “Non hormonal contraception by nanobodies produced from within the body” (Co-applicant together with Dr. L. Casarini for the Unit of UNIMORE) |

Patents

WO/2008/087038: Diagnosis and therapy of diseases relating to a disproportion of luteinizing hormone/chorionic gonadotropin receptor splice variants.
(<http://www.wipo.int/pctdb/en/wo.jsp?WO=2008087038>)

Organisation of Scientific Meetings

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| 1998 | 10 th Annual Meeting of the German Society of Andrology (Münster, Germany): member of the LOC. |
| 1999 | 3 rd Postgraduate Course in Molecular and Cellular Endocrinology (Münster, Germany): chairperson of the POC. |
| 1999 | Expert Meeting on the molecular diagnosis of Y-chromosomal microdeletions (Nordwijkerhout, The Netherlands): |

- chairperson.
- 1999** 1st German-Italian Symposium “Frontiers in Reproductive Medicine” (Münster, Germany): chairperson.
- 2000** Best Practice Meeting on the molecular diagnosis of Y-chromosomal microdeletions (L’Aquila, Italy): chairperson.
- 2000** 2nd German-Italian Symposium “Frontiers in Reproductive Medicine” (Modena, Italy): co-chairperson.
- 2002** 2nd European Congress of Andrology (Malmö, Svezia): member of the POC.
- 2002** EAA International Symposium „Genetics of male infertility: from research to clinic“ (Firenze, Italy): member of the POC.
- 2003** 2nd Best Practice Meeting on Molecular Diagnosis of microdeletions of the Y chromosome (Firenze, Italy): chairperson.
- 2004** 3rd European Congress of Andrology (Münster, Germany): chairperson of the POC.
- 2005** 7nd European Congress of Endocrinology (Göteborg, Sweden):member of the POC.
- 2005** 49th Congress of the German Society of Endocrinology (Münster, Germany): member of the POC.
- 2006** 14th European Testis Workshop, Bad Aibling, Germany. Member of the POC.
- 2007** 9th European Congress of Endocrinology, Budapest, Hungary: member of the POC.
- 2007** 2nd DVR Congress Bonn, Germany, member of the POC.
- 2008** 20th Congress of the German Society of Andrology, Halle, Germany: member of the POC
- 2009** SSIF Conference “New Frontiers in Fertility”, Lisbon, Portugal: member of the Scientific Committee
- 2010** IFFS 20th World Congress on Fertility and Sterility, Munich, Germany. Member of the National Advisory Board.
- 2010** 9th Congress of the Italian Society of Andrology and Medical Sexology, Modena, Italy. Co-President of the LOC
- 2011** 13th European Congress of Endocrinology, Rotterdam. The Netherlands): member of the POC.
- 2017** Co-president of the international meeting on gonadotropins and gonadotropin receptor “ICGR-IV 2017 and 12th GnRH Symposium” Modena, Italy, 20-23 September 2017
- 2019** Co-president of the international meeting on “Targeting GPCR to generate life, preserve the environment and improve animal breeding: technological and pharmacological challenges,” Tours, France
- 2926** 14th Euroepan Congress of Andrology, Modena, President
- 2001-2004** **Membership in the Editorial Board of Scientific Journal**
Associate Editor of “Human Reproduction”

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| 2005-2013 | Member of “Faculty of 1000 – Medicine” |
| 2006-2009 | Member of Editorial Board of “Endocrinology” |
| 2008-2009 | Member of Editorial Board of the “Journal of Molecular Endocrinology” |
| 2009-2012 | Senior Editor of the “Journal of Molecular Endocrinology” |
| 2010-2012 | Member of the Editorial Board of the “Journal of Clinical Endocrinology and Metabolism” |
| 2013-2016 | Senior Editorial Board Member of the “European Journal of Endocrinology” |
| 2013-2015 | Editorial Board Member of “Minerva Endocrinologica” |
| 2015-2018 | Editorial Board Member of “Molecular & Cellular Endocrinology” |
| 2017-2021 | Editor-in-Chief of ANDROLOGY (official journal of the European Academy of Andrology and the American Society of Andrology) |
| 2018 | Guest Editor of a Special Issue of Molecular and Cellular Endocrinology on “Molecular Endocrinology of Sexual Behaviour” |
| 2018-2019 | Guest Editor of Frontiers in Endocrinology Research Topic “Follicle-Stimulating Hormone: beyond fertility” |
| 2019- | Editorial Board Member of “Reviews in Endocrine and Metabolic Disorders” |
| 2022 | Guest Editor of Frontiers in Endocrinology Research Topic “Follicle-Stimulating Hormone: beyond fertility” (volume 2) |

Membership in Scientific Societies

Italian Society of Endocrinology (SIE)
German Society of Endocrinology (DGE) (until 2008)
German Society of Andrology (DGA) (until 2008)
European Society of Human Reproduction and Embryology (ESHRE) (until 2008)
Italian Society of Andrology and Medical Sexology (SIAMS)
European Society of Sexual Medicine (ESSM)
European Academy of Andrology (EAA: Academician)
German Society of Reproductive Medicine (DGRM) (until 2008)
European Society of Endocrinology (ESE)
Endocrine Society (2016-2017)

Activity in Scientific Societies

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| 2002-2010 | Member of the executive council of the European Academy of Andrology. |
| 2006-2007 | Member of the executive council of the German Society of Reproductive Medicine. |
| 2009-2010 | Member of the Scientific Committee of the Italian Society of |

2010-2014 Andrology and Medical Sexology
Member of the Executive Council of Italian Society of Andrology and Medical Sexology

2014-2018 Secretary of the European Society of Endocrinology

2017-2021 Ex-officio Member of the executive council of the European Academy of Andrology

Reviewer for Research Foundations/Organisations

Alexander-von-Humboldt Foundation (DE)
AMC Research Institutes Amsterdam (NL)
ANR (Agence Nationale de la Recherche) (FR)
Australian Academy of Health and Medical Sciences
Enterprise Estonia (EE)
Estonian Science Foundation (ETF)
European Commission, FP7 (EU)
European Commission, Horizon 2020 (EU)
European Commission, Horizon Europe (EU)
European Commission, Pathfinder Open (EU)
Flemish Research Organization (FWO, BE)
German Research Foundation (DFG, DE)
Leibniz-Gemeinschaft (DE)
INSERM (FR)
Italian Ministry of University and Scientific Research: research projects evaluation and Expert of the Council for the research evaluation (CIVR).
Ministry of Health of the Czech Republic
MRC (UK)
National Science and Technology Board (NSTB) Singapore
Research Promotion Foundation (RPF) of Cyprus
Regione Lazio (IT)
Slovenian Research Agency
Science Foundation Ireland
Scottish Hospital Endowments Research Trust (SHERT, UK)
SPARKS (The children's medical research charity, UK)
United States-Israel Binational Science Foundation (BSF, USA)
University of Giessen (DE)
University of Padova (IT)

Reviewer for Scientific Journals

Ad-hoc reviewer for over 50 international scientific journals

2000-2008 **Other Activities**
Secretary of the "Klinische Forschergruppe

- 2000-2002** Reproduktionsmedizin e.V.", Münster, Germany
Vice-President of the association for the Scientific and Industrial Cooperation between Germany and Italy (ACIS).
- 2000-2009** Co-ordinator of the International External Quality Assessment Scheme for the Molecular Diagnosis of Y-Chromosomal Microdeletions – EQAS Y Chromosome - (on behalf of the European Academy of Andrology and of the European Molecular Genetics Quality Network)
- 2009-2014** Treasurer of the „Associazione Scientifica in Endocrinologia, Andrologia e Metabolismo, Carpi, Italy.
- 2014-2016** Member of the Committee “Future of Academic Medicine” of the German Science Council (Wissenschaftsrat).

Languages (written and spoken):

Italian (mother language)
English (level C2)
German (level C2)

Addresses

University of Modena & Reggio Emilia:
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41125 Modena

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Dept. of Medical Specialties
Ospedale Civile di Baggiovara
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BIBLIOMETRY
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