

Curriculum Vitae

First name(s)/Surname	Samantha Sperduti
Telephone	+39 059 3961713
e-mail	samantha.sperduti@unimore.it ;
<u>Current occupation</u>	<u>Administrative Technical Staff</u> at the University of Modena and Reggio Emilia-Unit of Endocrinology, Dept. Biomedical, Metabolic and Neural Sciences, Modena, Italy <u>Student</u> of the Medical Specialization School in Clinical Pathology and Clinical Biochemistry
<u>Research Area</u>	Basic research in bio-molecular endocrinology. Genetic and genomic researches in the context of human female fertility and human reproduction. Study of the Unfolded Protein Response.
<u>Expertise skills</u>	Management of projects that combine cell biology, biochemistry, molecular biology and genetic to study different biological models. <u>Technical skills:</u> Nucleic acids extraction and analysis through gel electrophoresis, spectrophotometric assays, PCR, Real-Time PCR, Droplet Digital PCR (ddPCR), HRM analysis, <i>in situ</i> hybridization, microarray, MLPA analysis, Sanger Sequencing analysis; protein extraction, Western blot analysis, tissue and cellular staining, cell culture and transfection methods, basic usage of confocal fluorescence microscope; study of intracellular signaling, ELISA techniques, BRET/FRET analysis. <u>Computer skills:</u> Good knowledge and mastery of electronic platforms; excellent knowledge and mastery of Microsoft Office package; knowledge of the Cluster 3.0 software, TreeView, IPA software; knowledge of databases for gene sequencing and polymorphisms analysis, primers and Taqman assays design.
<u>Social skills and competences</u>	Good social skills, ability to adapt to any situation, determination, self-motivated, rationalization of goals with consequent good organizational skills.
<u>Mother tongue</u>	Italian
<u>Other Languages</u>	Good command and good working knowledge of written and spoken English. Basic knowledge of spoken Spanish.
<u>Work experience</u>	
Date	June 2017-November 2020
Qualification	Postdoctoral Researcher
Project Title	“Confronto in vitro di antagonisti commerciali del GnRH”

Supervisor University of Modena and Reggio Emilia-Unit of Endocrinology, Dept. Biomedical, Metabolic and Neural Sciences, Modena, Italy
Prof. Manuela Simoni

Date April 2016-December 2016

Qualification Research Scholarship holder

Project Title "Study of proteostasis in Marinesco-Sjogren Syndrome"
"G. d'Annunzio" University, Chieti-Pescara-Department of Medical, Oral and Biotechnological Sciences

Supervisor Dr. Michele Sallese

Date June 2015-March 2016

Qualification Research Scholarship holder

Project Title "Purkinje cell degeneration in Marinesco-Sjogren Syndrome: role of cell stress, alterations of proteostasis and calcium homeostasis"
Telethon Foundation

Supervisor Dr. Michele Sallese

Date A.A. 2014-2015 - A.A. 2016-2017

Qualification Lecturer in Social Genetics

Internship

Date September-November 2014

Qualification Visiting Student at IIBB (Instituto de Investigaciones Biomedica de Barcelona)

Project Title "Relationship between cholinergic dysfunction and inflammation: study in multiple sclerosis: studies in EAE mice and RRMS patients"

Supervisor Prof. Guadalupe Mengod

Date July 2014

Qualification Visiting Student at Sapienza University, Rome - Department of Biology and Biotechnology Charles Darwin BBCD - Sapienza University, Rome

Project Title "Relationship between cholinergic dysfunction and inflammation: study in multiple sclerosis: studies in EAE mice and RRMS patients"

Supervisor Prof. Ada Maria Tata

Education and training

Date **January 28 and February 4-5,11, 2020**

Title of qualification awarded **Corso di Formazione per il personale abilitato in materia di IMPIEGO DEGLI ANIMALI AI FINI SCIENTIFICI ED EDUCATIVI – Livello 1, Alma**

	<i>mater studiorum</i> – University of Bologna, Ozzano dell'Emilia (BO) - Italy
Date	June 5, 2019
Title of qualification awarded	Droplet Digital™ PCR Scientific Conference 2019 - Bio-Rad Centro Congressi Ospedale San Raffaele c/o DIBIT 1 – Milano - Italy
Date	June 21, 2018
Title of qualification awarded	Droplet Digital™ PCR Scientific Conference 2018 - Bio-Rad Laboratories Ltd. Life Science Group c/o University of Ferrara, Ferrara, Italy
Date	March 25, 2015
Title of qualification awarded	PhD in Functional Neuroimaging, curriculum “Molecular Imaging” Thesis Title: “Transcriptome analysis in understanding biological systems” “G. d’Annunzio” University, Chieti-Pescara Via dei Vestini, 66100 Chieti, Italy
Supervisor(s)	Prof. L. Stuppia
Date	October 9-11, 2012
Title of qualification awarded	Workshop “ION Torrent User Group Meeting” - Life technologies c/o Sheraton Algarve Hotel, Albufeira, Portugal
Date	October 8, 2012
Title of qualification awarded	Workshop “Aggiornamenti per l’analisi, l’elaborazione dei dati e il troubleshooting della tecnica MLPA” - M.R.C. Holland c/o Istituto Tumori regina Elena, Via Elio Chianesi 53, 00118, Roma - Italy
Date	March 25, 2011
Title of qualification awarded	Master Degree in Medical Biotechnology Thesis Title: “Influence of hormonal stimulation on gene expression profiles of follicular cells” University of L’Aquila Via Giovanni di Vincenzo, 67100 L’Aquila, Italy
Supervisor(s)	Prof. C. Tatone (University of L’Aquila), Prof. L. Stuppia (“G. d’Annunzio” University, Chieti-Pescara)
Date	March 27, 2008
Title of qualification awarded	Bachelor in Biotechnology Thesis Title: “Meccanismi di resistenza agli aminoglicosidi nei batteri Gram-negativi”

Supervisor(s)

University of L'Aquila
Via Giovanni di Vincenzo, 67100 L'Aquila
Prof. M. Perilli (University of L'Aquila)

Scientific Publications

Casarini L, Lazzaretti C, Paradiso E, Limoncella S, Riccetti L, Sperduti S, Melli B, Marcozzi S, Anzivino C, Sayers NS, Czapinski J, Brigante G, Potì F, La Marca A, De Pascali F, Reiter E, Falbo A, Daolio J, Villani MT, Lispi M, Orlando G, Klinger FG, Fanelli F, Rivero-Müller A, Hanyaloglu AC, Simoni M. Membrane Estrogen Receptor (GPER) and Follicle-Stimulating Hormone Receptor (FSHR) Heteromeric Complexes Promote Human Ovarian Follicle Survival. *iScience*. 2020 Nov 18;23(12):101812. doi: 10.1016/j.isci.2020.101812. eCollection 2020 Dec 18.

Lazzaretti C, Secco V, Paradiso E, Sperduti S, Rutz C, Kreuchwig A, Krause G, Simoni M, Casarini L. Identification of Key Receptor Residues Discriminating Human Chorionic Gonadotropin (hCG)- and Luteinizing Hormone (LH)-Specific Signaling. *Int J Mol Sci*. 2020 Dec 25;22(1):151. doi: 10.3390/ijms22010151.

Paradiso E, Lazzaretti C, Sperduti S, Antoniani F, Fornari G, Brigante G, Di Rocco G, Tagliavini S, Trenti T, Morini D, Falbo A, Villani MT, Nofer JR, Simoni M, Potì F, Casarini L. Sphingosine-1 phosphate induces cAMP/PKA-independent phosphorylation of the cAMP response element-binding protein (CREB) in granulosa cells. *Mol Cell Endocrinol*. 2021 Jan 15;520:111082. doi: 10.1016/j.mce.2020.111082. Epub 2020 Nov 12.

Casarini L, Riccetti L, Paradiso E, Benevelli R, Lazzaretti C, Sperduti S, Melli B, Tagliavini S, Varani M, Trenti T, Morini D, Falbo A, Villani MT, Jonas KC, Simoni M. Two human menopausal gonadotrophin (hMG) preparations display different early signaling in vitro. *Mol Hum Reprod*. 2020 Dec 10;26(12):894-905. doi: 10.1093/molehr/gaaa070.

Clemente E., Efthymakis K., Carletti E., Capone V., Sperduti S., Bologna G., Marchisio M., Di Nicola M., Neri M., Sallese M. An explorative study identifies miRNA signatures for the diagnosis of non-celiac wheat sensitivity. *PLoS One*. 2019 Dec 13;14(12):e0226478. doi: 10.1371/journal.pone.0226478. eCollection 2019.

Sperduti S., Limoncella S., Lazzaretti C., Paradiso E., Riccetti L., Turchi S., Ferrigno I., Bertacchini J., Palumbo C., Potì F., Longobardi S., Millar R.P., Simoni M., Newton C.L., Casarini L. GnRH Antagonists Produce Differential Modulation of the Signaling Pathways Mediated by GnRH Receptors. *Int J Mol Sci*. 2019 Nov 7;20(22). pii: E5548. doi: 10.3390/ijms20225548.

Riccetti L., Sperduti S., Lazzaretti C., Klett D., De Pascali F., Paradiso E., Limoncella S., Potì F., Tagliavini S., Trenti T., Galano E., Palmese A., Satwekar A., Daolio J., Nicoli A., Villani M.T., Aguzzoli L., Reiter E.,

Simoni M., Casarini L. Glycosylation Pattern and in vitro Bioactivity of Reference Follitropin alfa and Biosimilars. *Front Endocrinol (Lausanne)*. 2019 Jul 24;10:503. doi: 10.3389/fendo.2019.00503. eCollection 2019.

Lazzaretti C., Riccetti L., Sperduti S., Anzivino C., Brigante G., De Pascali F., Potì F., Rovei V., Restagno G., Mari C., Lussiana C., Benedetto C., Revelli A., Casarini L. Inferring biallelism of two FSH receptor mutations associated with spontaneous ovarian hyperstimulation syndrome by evaluating FSH, LH and HCG cross-activity. *Reprod Biomed Online*. 2019 May;38(5):816-824. Epub 2018 Dec 23. doi: 10.1016/j.rbmo.2018.12.021.

Melcangi R.C., Casarini L., Marino M., Santi D., Sperduti S., Giatti S., Diviccaro S., Grimoldi M., Caruso D., Cavaletti G., Simoni M. Altered methylation pattern of the SRD5A2 gene in the cerebrospinal fluid of post-finasteride patients: a pilot study. *Endocr Connect*. 2019 Aug 1;8(8):1118-1125. doi: 10.1530/EC-19-0199.

Brigante G., Riccetti L., Lazzaretti C., Rofrano L., Sperduti S., Potì F., Diazi C., Prodham F., Guaraldi G., Lania A.G., Rochira V., Casarini L. Abacavir, nevirapine, and ritonavir modulate intracellular calcium levels without affecting GHRH-mediated growth hormone secretion in somatotrophic cells in vitro. *Mol Cell Endocrinol*. 2019 Feb 15;482:37-44. Epub 2018 Dec 11. doi: 10.1016/j.mce.2018.12.005.

Capone V., Clemente E., Restelli E., Di Campli A., Sperduti S., Ornaghi F., Pietrangelo L., Protasi F., Chiesa R., Sallèse M. PERK inhibition attenuates the abnormalities of the secretory pathway and the increased apoptotic rate induced by SIL1 knockdown in HeLa cells. *Biochim Biophys Acta Mol Basis Dis*. 2018 Oct;1864(10):3164-3180. Epub 2018 Jul 7. doi: 10.1016/j.bbadis.2018.07.003.

Riccetti L., Sperduti S., Lazzaretti C., Casarini L., Simoni M. The cAMP/PKA pathway: steroidogenesis of the antral follicular stage. *Minerva Ginecol*. 2018 Oct;70(5):516-524. Epub 2018 Aug 28. doi: 10.23736/S0026-4784.18.04282-X.

Di Pinto G., Di Bari M., Martin-Alvarez R., Sperduti S., Serrano-Acedo S., Gatta V., Tata A.M., Mengod G. Comparative study of the expression of cholinergic system components in the CNS of experimental autoimmune encephalomyelitis mice: acute vs remitting phase. *Eur J Neurosci*. 2018 Aug 25. doi: 10.1111/ejn.14125.

Sperduti S.*, Mosca A.*, Pop V., Ciavardelli D., Granzotto A., Punzi M., Stuppia L., Gatta V., Assogna F., Banaj N., Piras F., Piras F., Caltagirone C., Spalletta G., Sensi S.L. Influence of APOE and RNF219 on Behavioral and Cognitive Features of Female Patients Affected by Mild Cognitive Impairment or Alzheimer's Disease. *Front Aging Neurosci*. 2018 Apr 13;10:92. eCollection 2018. doi:10.3389/fnagi.2018.00092.

Artini P.G., Tatone C., Sperduti S., D'Aurora M., Franchi S., Di Emidio G., Ciriminna R., Vento M., Di Pietro C., Stuppia L., Gatta V. Italian Society of embryology, Reproduction and Research (SIERR). Cumulus cells surrounding oocytes with high developmental competence exhibit down-regulation of phosphoinositol 1,3 kinase/protein kinase B (PI3K/AKT) signalling genes involved in proliferation and survival. Hum Reprod. 2017 Dec 1;32(12):2474-2484. doi: 10.1093/humrep/dex320.

D'Aurora M., Sperduti S., Di Emidio G., Stuppia L., Artini P.G., Gatta V. Inside the granulosa transcriptome. Gynecol Endocrinol. 2016 Dec;32(12):951-956. Epub 2016 Oct 18. doi: 10.1080/09513590.2016.1223288

Sperduti S.*, Cantanelli P.*, Ciavardelli D., Stuppia L., Gatta V., Sensi S.L. Age-Dependent Modifications of AMPA Receptor Subunit Expression Levels and Related Cognitive Effects in 3xTg-AD Mice. Front Aging Neurosci. 2014 Aug 5;6:200. doi: 10.3389/fnagi.2014.00200.

Gatta V.*, D'Aurora M.*, Lanuti P., Pierdomenico L., Sperduti S., Palka G., Gesi M., Marchisio M., Miscia S., Stuppia L. Gene expression modifications in Wharton's Jelly mesenchymal stem cells promoted by prolonged in vitro culturing. BMC Genomics. 2013 Sep 21;14:635. doi: 10.1186/1471-2164-14-635

Gatta V., Tatone C., Ciriminna R., Vento M., Franchi S., D'Aurora M., Sperduti S., Cela V., Borzì P., Palermo R., Stuppia L., Artini P.G. Gene expression profiles of cumulus cells obtained from women treated with recombinant human luteinizing hormone + recombinant human follicle-stimulating hormone or highly purified human menopausal gonadotropin versus recombinant human follicle-stimulating hormone alone. Fertil Steril. 2013 Jun;99(7):2000-8.e1. doi: 10.1016/j.fertnstert.2013.01.150

Poster presentations

Lazzaretti C, Secco V, Paradiso E, Sperduti S, Kreuchwig A, Simoni M, Krause G, Casarini L. **"Aminoacidic residues discriminating human choriongonadotropin (hCG) and luteinizing hormone (LH) binding to its receptor (LHCGR)"** LE STUDIUM Conference - Targeting GPCR to generate life, preserve the environment and improve animal breeding: technological and pharmacological challenges, 16-18 October 2019, Tours, France.

Casarini L., Sperduti S., Limoncella S., Lazzaretti C., Paradiso E., Riccetti L., Bertacchini J., Palumbo C., Millar R.P., D'Hooghe T., Longobardi S., Wieser F., Simoni M., Newton C.L. **"Inhibition of GnRH-mediated intracellular signaling *in vitro* differs according to type of antagonist"** 35th Annual Meeting of the European Society of Human Reproduction and Embryology. Vienna, Austria 23-26 June 2019; P-585

Paradiso E., Lazzaretti C., Sperduti S., Riccetti L., Nicoli A., Villani M.T., Daolio J., Lispi M., Gravotta E., Orlando G., Simoni M., Casarini L. **"Granulosa cell signaling-based bioassay *in vitro* for personalized stimulation in ART"** 35th Annual Meeting of the European Society of Human Reproduction and Embryology. Vienna, Austria 23-26 June 2019; O-175

Casarini L., Lazzaretti C., Paradiso E., Riccetti L., Sperduti S., Marcozzi S., Sayers N., Brigante G., Potì F., La Marca A., Valli B., Falbo A., Villani M.T., Klinger F.G., Fanelli F., Hanyaloglu A.C., Simoni M. **"Dominance of ovarian follicles is determined by follicle-stimulating hormone receptor (FSHR) and G protein-coupled estrogen receptor (GPER) heteromers"** 21th European Congress of Endocrinology. Lyon, France, 18-21 May 2019. Endocrine Abstracts (2019) 63 P644 | DOI: 10.1530/endoabs.63.P644

Lazzaretti C., Paradiso E., Riccetti L., Sperduti S., Brigante G., Potì F., Fanelli F., Simoni M., Hanyaloglu A.C., Casarini L. **"Demonstration of follicle-stimulating hormone receptor (FSHR) and G protein-coupled estrogen receptor (GPER) heterodimerization by bioluminescence resonance energy transfer (BRET)"** 21th European Congress of Endocrinology. Lyon, France, 18-21 May 2019. Endocrine Abstracts (2019) 63 P645 | DOI: 10.1530/endoabs.63.P645

Paradiso E., Lazzaretti C., Riccetti L., Sperduti S., Antoniani F., Brigante G., De Feo G., Morini D., Iannotti F., Simoni M., Potì F., Casarini L. **"Spingosine-1-phosphate induces cAMP/PKA-independent pCREB activation, but not steroidogenesis, in human granulosa cells"** 21th European Congress of Endocrinology. Lyon, France, 18-21 May 2019. Endocrine Abstracts (2019) 63 P646 | DOI: 10.1530/endoabs.63.P646

Casarini L., Riccetti L., Limoncella S., Sperduti S., Lazzaretti C., Barbagallo F., Martinelli I., Sola M., Simoni M., Di Rocco G. **"A fluorescence sensing approach to study the efficacy *in vitro* of PDE5i"** 10th European Congress of Andrology (ECA). 11th-13th October 2018. Budapest, Hungary.P032 A-0135.

Sperduti S., Riccetti L., Lazzaretti C., Simoni M., Casarini L. **"In vitro characterization and comparison of commercial GnRH antagonists"** 20th European Congress of Endocrinology. Barcelona, Spain, 19 - 22

May 2018. Endocrine Abstracts (2018) 56 P980 | DOI:
10.1530/endoabs.56.P980

Casarini L., Riccetti L., Masini A., Lazzaretti C., Sperduti S., Simoni M.
**“Depletion of the primate-specific luteinizing-hormone receptor
variant “exon-6A” impairs LH-, but not hCG-mediated signaling in
human primary granulosa cell”** 20th European Congress of
Endocrinology. Barcelona, Spain, 19 - 22 May 2018. Endocrine
Abstracts (2018) 56 GP220 | DOI: 10.1530/endoabs.56.GP220

Riccetti L., Sperduti S., Lazzaretti C., Tagliavini S., Simoni M., Casarini L.
**“Recombinant FSH and biosimilars result in different intracellular
signalling. 20th European Congress of Endocrinology”** Barcelona,
Spain, 19 - 22 May 2018. Endocrine Abstracts (2018) 56 P942 | DOI:
10.1530/endoabs.56.P942

Mosca A., Sperduti S., Ciavardelli D., Pop V., Stuppia L., Caltagirone C.,
Spalletta G., Sensi S.L. **“Gender-specific effects of APOE and RNF219
on the behavioral and cognitive features of Mild Cognitive
Impairment or Alzheimer’s disease patients”**. XII Congresso
Nazionale SINDEM 2017 – Florence (Italy), March 16-18, 2017.

Chiesa R., Capone V., Clemente E., Sperduti S., Grande V., Ornaghi F.,
Comerio L., Masone A., Restelli E., Corbelli A., Fiordaliso F., Sallese M.
**“Purkinje cell degeneration in Marinesco-Sjogren syndrome: role of
cell stress, alterations of proteostasis and calcium homeostasis”**
March 15, 2017; XIX Convention Scientifica Telethon – Trento (Italy)

Capone V., Grande V., Clemente E., Sperduti S., Ornaghi F., Restelli E.,
Chiesa R., Sallese M. **“Inhibition of PERK signalling rescues the
morphofunctional alterations of the secretory pathway and prevents
cell death induced by loss of SIL1, but has no long-term beneficial
effects in a mouse model of Marinesco-Sjögren syndrome”** 23 – 27
October 2016; Structure and function of the endoplasmic reticulum -
Girona (Spain)

Di Bari M., Reale M., Gatta V., Di Nicola M., Sperduti S., D’Angelo C.,
Galizia S. Orlando V., Di Pinto G., Alvarez R., Mengod G., Tata A.M.
**“Cholinergic system alterations in multiple sclerosis: studies in RR-
MS patients and in EAE model”** October 8-11, 2015; XVI Congress of
Italian Society for Neuroscience (SINS 2015) – Cagliari (Italy).
Neuroimmunopharmacol. 2015; DOI 10.1007/s11481-015-9649-2:
P08.

Di Pinto G., Sperduti S., Martin Alvarez R., Gatta V., Tata A.M. and
Mengod G. **“Analysis of the cellular expression of cholinergic**

markers in the central nervous system of EAE mice by in situ hybridization and enzymatic histochemistry" June 7-10, 2015; 61st Congress of the Italian Embryological Group (GEI) - 36th Congress of the Italian Society of Histochemistry – Pisa (Italy). *Europ. J. Hystochem.* 2015, vol 59 suppl I: 7.

Sperduti S., Russo V., Franchi S., D'Aurora M., D'Onofrio L., Antonucci I., Berardinelli P., Mattioli M., Barboni B., Palka G., Stuppia L., Gatta V. **"Gene expression profile of human amniotic stem cells xenotransplanted in a sheep achilles tendon model"** May 31- June 03, 2014; European Society of Human Genetics 2014 – Milan (Italy)

D'Aurora M., Sperduti S., D'Onofrio L., Granzotto A., Sensi S.L., Stuppia L., Gatta V. **"Aging-related genes modulate the early altered expression in young 3xTg-AD mice hippocampi: a whole transcriptome approach"** May 31- June 03, 2014; European Society of Human Genetics 2014 – Milan (Italy)

Di Giacinto A., Lai C., Cieri F., Ialacci T., Cinosi E., Pasquini A., Sperduti S., Massaro G., Gatta V., Stuppia L., Di Giannantonio M. **"PAC1 gene associated with PTSD: preliminary data"** May 31- June 03, 2014; European Society of Human Genetics 2014 – Milan (Italy)

Gatta V., D'Aurora M., Ferlin A., Franchi S., Sperduti S., D'Onofrio L., Selice R., Foresta C., Palka G., Stuppia L. **"Klinefelter Syndrome testicular gene expression profile by a whole transcriptome approach"** May 31- June 03, 2014; European Society of Human Genetics 2014 – Milan (Italy)

Palka C., Gatta V., Chiavaroli V., Franchi S., Sperduti S., D'Onofrio L., D'Aurora M., Chiarelli F., Mohn A., Palka G., Stuppia L. **"Spectrum of phenotypic anomalies in four families with deletion of the SHOX enhancer region"** May 31- June 03, 2014; European Society of Human Genetics 2014 – Milan (Italy)

Cantanelli P., Sperduti S., Granzotto A., Stuppia L., Sensi S. L. **"Effects of GluA expression levels on short and long-term memory performance of 3xTg-AD mice"** November 9-13, 2013; Neuroscience 2013 – San Diego (California)

Gatta V., D'Aurora M., Sperduti S., Franchi S., D'Onofrio L., Lanuti P., Pierdomenico L., Marchisio M., Miscia S., Palka G., Stuppia L. **"Gene expression modifications in Wharton's Jelly mesenchymal stem cells promoted by prolonged in vitro culturing"** June 8-11, 2013; European Society of Human Genetics 2013 – Paris (France)

Oral communication

Sperduti S., Limoncella S., Lazzaretti C., Paradiso E., Bertacchini J., Palumbo C., Potì F., Longobardi S., Millar R.P., Simoni M., Newton C.L. and Casarini L. **“Gli antagonisti del GnRH esercitano una modulazione differenziale delle vie di trasduzione del segnale mediate dal recettore del GnRH”** January 30-February 01, 2020; Congresso 4I Incontri Italiani Ipotalamo Ipofisari – Roma (Italy)

Sperduti S., Tatone C., Ciriminna R., Palermo R., Vento M., Borzi P., Franchi S., D’Aurora M., Gatta V., Artini P.G., Stuppia L. **“Influenza della stimolazione ormonale sui profili di espressione genica nelle cellule del cumulo ooforo mediante microarray”** May 24-26, 2012; Il Congresso FISSR, Federazione Italiana Società Scientifiche Riproduzione – Riccione (Italy)

Grants

“ESE Basic Science Meeting Grant 2018” awarded by the European Society of Endocrinology for the contribution to the basic science at the European Congress of Endocrinology (ECE) 2018, 19-22 May 2018, Barcelona, Spain (450 €)

Scientific society membership

SIE (Società Italiana di Endocrinologia)

From 2020 – Web site:

<http://www.societaitalianadiendocrinologia.it/html/cnt//home.asp>

SIRTEPS (Società Italiana Ricerca Traslazionale e Professioni Sanitarie) from 2019 – Web site: <https://www.sirteps.it/>

European Society of Endocrinology (ESE) in 2018- Web site: www.esehormones.org

Associazione Scientifica di Endocrinologia, Andrologia e Metabolismo (A.S.E.A.M.) from 2018

Other skills and competences

Progetto FADsicurMORE – “Formazione specifica per rischio basso”

Progetto FADsicurMORE – “Formazione specifica per rischio medio”

Progetto FADsicurMORE – “Formazione generale alla prevenzione e alla sicurezza sul lavoro”

Progetto FADsicurMORE – “Aggiornamento n.1: promozione della salute”

Progetto FADsicurMORE – “Sars-CoV-2: cosa è e come utilizzare i DPI”

Progetto FADsicurMORE – “Indicazioni per la prevenzione della trasmissione COVID-19”

