



Università degli Studi di Roma "Tor Vergata"

CURRICULUM DIDATTICO-SCIENTIFICO DEL PROF. STEFANO MARINI

DATI PERSONALI

Nome e Cognome: STEFANO MARINI

Luogo e data di nascita: Frascati (RM) 03/04/1958

ATTUALE POSIZIONE: Professore Associato

Dipartimento: Scienze Cliniche e Medicina Traslazionale

Indirizzo: Facoltà di Medicina e Chirurgia, Via Montpellier 1 Ed. F nord, Piano Terra, stanza F-54

Numero studio 06-72596354

E-mail: stefano.marini@uniroma2.it

Orario ricevimento: Martedì/giovedì 10-12 previo appuntamento

Settore scientifico-disciplinare: BIO/10

ATTIVITA' DIDATTICA - SCIENTIFICA

Titoli accademici e di studio:

1983: Laurea in Scienze Biologiche (110/110 e lode), Università degli Studi di Roma "La Sapienza".

1992: Diploma di Specializzazione (70/70 e lode) in "Applicazioni Biotecnologiche" presso la Università degli Studi di Roma "La Sapienza".

1994: Titolo di Ph.D. in Biotechnology conseguito, con il massimo dei voti, presso il Biotechnology Center, Cranfield University, Cranfield, Bedfordshire, U.K.

1999: Laurea in Medicina e Chirurgia (110/110 e lode), Università degli Studi di Roma Tor Vergata.

2003: Diploma di Specializzazione (50/50 e lode) in "Medicina del Lavoro", Università degli Studi di Roma "Tor Vergata".

2007: Corso di Perfezionamento in "Medicina Tropicale e Salute Internazionale", Università degli Studi di Brescia.

Formazione post-laurea presso istituzioni italiane ed estere ed incarichi professionali (didattici e di ricerca):

Ph.D. in Biotechnology, Biotechnology Center, Cranfield University, Cranfield, Bedfordshire, U.K.;
Corso di Perfezionamento in "Medicina Tropicale e Salute Internazionale" presso l'Università degli Studi di Brescia. Docente per i corsi di Chimica e prop. biochimica presso l'università "Nostra Signora del Buonconsiglio" Tirana, Albania.

Presidente del corso di Laurea "Medicine and Surgery", Università degli Studi di Roma "Tor Vergata"

Finanziamenti e premi ricevuti per attività di ricerca:

Borsa di Studio rilasciata dalla Associazione Italiana per la Ricerca sul Cancro (AIRC); Borsa di Studio rilasciata dalla Società Italiana di Immunofarmacologia (ISIPHAR). Responsabile 3 PRIN

Attività di ricerca: 15 pubblicazioni selezionate

-Tundo GR, Sbardella D, Ciaccio C, Bianculli A, Orlandi A, Desimio MG, Arcuri G, Coletta M, **Marini S**. Insulin-degrading enzyme (IDE): a novel heat shock-like protein. (2013) J Biol Chem. Jan 25;288(4):2281-9. I.F. 4,71

-Ascenzi P, Coletta A, Cao Y, Trezza V, Leboffe L, Fanali G, Fasano M, Pesce A, Ciaccio C, **Marini S**, Coletta M. Isoniazid inhibits the heme-based reactivity of Mycobacterium tuberculosis truncated hemoglobin N. (2013) PLoS One. Aug 1;8(8):e69762. I.F. 4,41

- Tomao L, Sbardella D, Gioia M, Di Masi A, **Marini S**, Ascenzi P, Coletta M. Characterization of the Prostate-Specific Antigen (PSA) Catalytic Mechanism: A Pre-Steady-State and Steady-State Study. (2014) July 28 PLoS One. Jul 28;9(7):e102470. I.F. 4,41
- Sbardella D., Tundo G.R., Fasciglione G.F., Gioia M., Bisicchia S., Gasbarra E., Ippolito E., Tarantino U., Coletta M., **Marini S**. Role of metalloproteinases in tendon pathophysiology. (2014) Mini-Reviews in Medicinal Chemistr. Vol. 14, No.14(12); 978-87. I.F. 3,2
- Tundo G.R., Sbardella D., De Pascali S.A., Ciaccio C., Coletta M., Fanizzi F.P., **Marini S**. (2015) Novel Platinum(II) compounds modulate insulin-degrading enzyme activity and induce cell death in neuroblastoma cells. JBIC January, Volume 20, 1;101-108. I.F. 3,16
- Sbardella D, Sciandra F, Gioia M, **Marini S**, Gori A, Giardina B, Tarantino U, Coletta M, Brancaccio A, Bozzi M. a-dystroglycan is a potential target of matrix metalloproteinase MMP-2. (2015) Matrix Biol. Jan;41:2-7.
- Sbardella D, Tundo GR, Sciandra F, Bozzi M, Gioia M, Ciaccio C, Tarantino U, Brancaccio A, Coletta M, **Marini S**. (2015) Proteasome Activity Is Affected by Fluctuations in Insulin-Degrading Enzyme Distribution. PLoS One. Jul 17;10(7).
- Tundo GR, Sbardella D, Ciaccio C, De Pascali S, Campanella V, Cozza P, Tarantino U, Coletta M, Fanizzi FP, **Marini S**. (2015) Effect of cisplatin on proteasome activity. J Inorg Biochem. Dec;153:253-8. doi: 10.1016/j.jinorgbio.2015.08.027.
- Tundo GR, Di Muzio E, Ciaccio C, Sbardella D, Di Pierro D, Polticelli F, Coletta M, **Marini S**. (2016). Multiple allosteric sites are involved in the modulation of insulin-degrading-enzyme activity by somatostatin. FEBS J. 2016 Oct;283(20):3755-3770.
- Ciaccio C, Di Pierro D, Sbardella D, Tundo GR, Curatolo P, Galasso C, Santarone ME, Casasco M, Cozza P, Cortelazzo A, Rossi M, De Felice C, Hayek J, Coletta M, **Marini S**. (2017) Oxygen exchange and energy metabolism in erythrocytes of Rett syndrome and their relationships with respiratory alterations. Mol. Cell Biochem. Feb;426(1-2):205-213. DOI 10.1007/s11010-016-2893-9.
- Gioia M, Tomao L, Sbardella D, Ciaccio C, Tundo GR, Di Masi A, Fasciglione GF, **Marini S**, Cozza P, Ascenzi P, Coletta M. (2017) Enzyme catalysis: the case of the prostate-specific antigen. Rend. Fis. Acc. Lincei DOI 10.1007/s12210-017-0602-6.
- Grasso G, Santoro AM, Lanza V, Sbardella D, Tundo GR, Ciaccio C, **Marini S**, Coletta M, Milardi D. (2017) The double faced role of copper in Ab homeostasis: A survey on the interrelationship between metal dyshomeostasis, UPS functioning and autophagy in neurodegeneration. Coordination Chemistry Reviews 347: 1–22.
- Tundo GR, Sbardella D, Ciaccio C, Grasso G, Gioia M, Coletta A, Polticelli F, Di Pierro D, Milardi D, Van Endert P, **Marini S**, Coletta M. Multiple functions of insulin-degrading enzyme: a metabolic crosslight? Crit Rev Biochem Mol Biol. 2017 Jun 21:1-29.
- Sbardella D, Tundo GR, Campagnolo L, Valacchi G, Orlandi A, Curatolo P, Borsellino G, D'Esposito M, Ciaccio C, Cesare SD, Pierro DD, Galasso C, Santarone ME, Hayek J, Coletta M, **Marini S**. Retention of Mitochondria in Mature Human Red Blood Cells as the Result of Autophagy Impairment in Rett Syndrome. (2017) Sci Rep. 2017 Sep 26;7(1):12297. doi: 10.1038/s41598-017-12069-0.
- Paolino M, Brindisi M, Vallone A, Butini S, Campiani G, Nannicini C, Giuliani G, Anzini M, Lamponi S, Giorgi G, Sbardella D, Ferraris DM, **Marini S**, Coletta M, Palucci I, Minerva M, Delogu G, Pepponi I, Goletti D, Cappelli A, Gemma S, Brogi S. Development of potent inhibitors of the Mycobacterium tuberculosis virulence factor Zmp1 and evaluation of their effect on mycobacterial. ChemMedChem. 2018 Mar 6;13(5):422-43



PERSONAL DATA

Name and Surname: STEFANO MARINI

Place and date of birth: Frascati (RM) 03/04/1958

ACTUAL POSITION: Associate Professor

Department: Scienze Cliniche e Medicina Traslazionale

Address: Facoltà di Medicina e Chirurgia, Via Montpellier 1 Ed. F nord, Piano Terra, stanza F-54

Phone number 06-72596354

E-mail stefano.marini@uniroma2.it

Consulting hours Martedì/giovedì 10-12 previo appuntamento

Disciplinary Scientific Sector: Bio-10

SCIENTIFIC AND DIDACTIC ACTIVITY

Academic and educational qualifications:

1983: Degree in Biological Sciences (110/110 cum laude) at the University of Rome "La Sapienza".

1992: Postgraduate Diploma (70/70 cum laude) in "Biotechnological Applications" at the University of Rome "La Sapienza".

1994: Title of Ph.D. in Biotechnology achieved, with honors, at the Biotechnology Center, Cranfield University, Cranfield, Bedfordshire, UK

1999: Degree in Medicine and Surgery (110/110 cum laude) at the University of Rome Tor Vergata.

2003: Postgraduate Diploma (50/50 cum laude) in "Occupational Medicine" at the University of Rome "Tor Vergata".

2007: Course in "Tropical Medicine and International Health" at the University of Brescia.

Professional and didactic activities:

Phd. in Biotechnology, Biotechnology Centre, Cranfield University, Cranfield, Bedfordshire, UK;
Course in "Tropical Medicine and International Health" at the University of Brescia. Lecturer for the courses of Chemistry and prop. biochemistry at the University of "Our Lord Buon Consiglio" Tirana, Albania.

President of the Medicine and Surgery Course, University of Rome "Tor Vergata"

Awards for research activity:

Scholarship awarded by the Italian Association for Cancer Research (AIRC); Scholarship awarded by the Italian Society of Immunopharmacology (ISIPHAR). Responsible 3 PRIN

Research activity: 15 selected publications

-Tundo GR, Sbardella D, Ciaccio C, Bianculli A, Orlandi A, Desimio MG, Arcuri G, Coletta M, **Marini S.** Insulin-degrading enzyme (IDE): a novel heat shock-like protein. (2013) J Biol Chem. Jan 25;288(4):2281-9. I.F. 4,71

-Ascenzi P, Coletta A, Cao Y, Trezza V, Leboffe L, Fanali G, Fasano M, Pesce A, Ciaccio C, **Marini S.** Coletta M. Isoniazid inhibits the heme-based reactivity of Mycobacterium tuberculosis truncated hemoglobin N. (2013) PLoS One. Aug 1;8(8):e69762. I.F. 4,41

-Tomao L, Sbardella D, Gioia M, Di Masi A, **Marini S.** Ascenzi P, Coletta M. Characterization of the Prostate-Specific Antigen (PSA) Catalytic Mechanism: A Pre-Steady-State and Steady-State Study. (2014) July 28 PLoS One. Jul 28;9(7):e102470. I.F. 4,41

- Sbardella D., Tundo G.R., Fasciglione G.F., Gioia M., Bisicchia S., Gasbarra E., Ippolito E., Tarantino U., Coletta M., **Marini S.** Role of metalloproteinases in tendon pathophysiology. (2014) Mini-Reviews in Medicinal Chemistr. Vol. 14, No.14(12); 978-87. I.F. 3,2
- Tundo G.R., Sbardella D., De Pascali S.A., Ciaccio C., Coletta M., Fanizzi F.P., **Marini S.** (2015) Novel Platinum(II) compounds modulate insulin-degrading enzyme activity and induce cell death in neuroblastoma cells. JBIC January, Volume 20, 1;101-108. I.F. 3,16
- Sbardella D, Sciandra F, Gioia M, **Marini S**, Gori A, Giardina B, Tarantino U, Coletta M, Brancaccio A, Bozzi M. a-dystroglycan is a potential target of matrix metalloproteinase MMP-2. (2015) Matrix Biol. Jan;41:2-7.
- Sbardella D, Tundo GR, Sciandra F, Bozzi M, Gioia M, Ciaccio C, Tarantino U, Brancaccio A, Coletta M, **Marini S.**(2015) Proteasome Activity Is Affected by Fluctuations in Insulin-Degrading Enzyme Distribution. PLoS One. Jul 17;10(7).
- Tundo GR, Sbardella D, Ciaccio C, De Pascali S, Campanella V, Cozza P, Tarantino U, Coletta M, Fanizzi FP, **Marini S.** (2015) Effect of cisplatin on proteasome activity. J Inorg Biochem. Dec;153:253-8. doi: 10.1016/j.jinorgbio.2015.08.027.
- Tundo GR, Di Muzio E, Ciaccio C, Sbardella D, Di Pierro D, Polticelli F, Coletta M, **Marini S.**(2016). Multiple allosteric sites are involved in the modulation of insulin-degrading-enzyme activity by somatostatin. FEBS J. 2016 Oct;283(20):3755-3770.
- Ciaccio C, Di Pierro D, Sbardella D, Tundo GR, Curatolo P, Galasso C, Santarone ME, Casasco M, Cozza P, Cortelazzo A, Rossi M, De Felice C, Hayek J, Coletta M, **Marini S.** (2017) Oxygen exchange and energy metabolism in erythrocytes of Rett syndrome and their relationships with respiratory alterations. Mol. Cell Biochem. Feb;426(1-2):205-213. DOI 10.1007/s11010-016-2893-9.
- Gioia M, Tomao L, Sbardella D, Ciaccio C, Tundo GR, Di Masi A, Fasciglione GF, **Marini S**, Cozza P, Ascenzi P, Coletta M. (2017) Enzyme catalysis: the case of the prostate-specific antigen. Rend. Fis. Acc. Lincei DOI 10.1007/s12210-017-0602-6.
- Grasso G, Santoro AM, Lanza V, Sbardella D, Tundo GR, Ciaccio C, **Marini S**, Coletta M, Milardi D. (2017) The double faced role of copper in Ab homeostasis: A survey on the interrelationship between metal dyshomeostasis, UPS functioning and autophagy in neurodegeneration. Coordination Chemistry Reviews 347: 1–22.
- Tundo GR, Sbardella D, Ciaccio C, Grasso G, Gioia M, Coletta A, Polticelli F, Di Pierro D, Milardi D, Van Endert P, **Marini S**, Coletta M. Multiple functions of insulin-degrading enzyme: a metabolic crosslight? Crit Rev Biochem Mol Biol. 2017 Jun 21:1-29.
- Sbardella D, Tundo GR, Campagnolo L, Valacchi G, Orlandi A, Curatolo P, Borsellino G, D'Esposito M, Ciaccio C, Cesare SD, Pierro DD, Galasso C, Santarone ME, Hayek J, Coletta M, **Marini S.** Retention of Mitochondria in Mature Human Red Blood Cells as the Result of Autophagy Impairment in Rett Syndrome. (2017) Sci Rep. 2017 Sep 26;7(1):12297. doi: 10.1038/s41598-017-12069-0.
- Paolino M, Brindisi M, Vallone A, Butini S, Campiani G, Nannicini C, Giuliani G, Anzini M, Lamponi S, Giorgi G, Sbardella D, Ferraris DM, **Marini S**, Coletta M, Palucci I, Minerva M, Delogu G, Pepponi I, Goletti D, Cappelli A, Gemma S, Brogi S. Development of potent inhibitors of the Mycobacterium tuberculosis virulence factor Zmp1 and evaluation of their effect on mycobacterial. ChemMedChem. 2018 Mar 6;13(5):422-43