

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name	IRENE MARTINI
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E-mail	martini@smartbank.it ; martini@bioeden.com martini@clematisbiotech.it martini@nanoginternational.com
Nationality	Italian
Date of birth	15 APRIL 1967

ACADEMIC EXPERIENCE

• Dates

From 2018

Lecturer at Stem Cells and Genome Editing – U-Stem Sapienza University

From 2017

Lecturer at Big Data Master II on “Scientific Story Telling” Sapienza University

From 2014

Lecturer on Intellectual Property at Médecins Sans Frontières – Biotechnology course Sapienza University

From 2012

Lecturer in Intellectual Property Management & Business Law at Rome “La Sapienza” University
CEO at BioEden Italy

From 2009

Coordinator at Rome "La Sapienza" University of research management for Master in Journalism and Scientific Communication.

President of SmartBank Foundation, providing popular scientific information on stem cells.

Coordinator of CORDHA double-blind, randomized clinical trial.

2006 – 2008

Rome "La Sapienza" University: two-year consultancy contract with the Ufficio Valorizzazione Ricerca Scientifica e Innovazione for the project financed by the Ministry of Education, University and Research "Liaison Office-ILOA24i, Highway to Innovation" www.iloa24i.it.

ILO A24i is a joint expansion and development project between the university and business, already partially carried out by the universities of Rome "La Sapienza" and L'Aquila, to foster the circulation of research results within the business and productive world.

2004 – 2006

Consultant with "De Simone & Partners", intellectual property attorneys, for biotechnology and pharmaceuticals. Responsible for bibliographic patent research – writing patent texts and subsequent UIBM and EPO procedures – Patent monitoring and strategies for the biotechnology sector.

2003 – 2006

Rome "La Sapienza" University, annual consultancy contracts with the Ufficio Valorizzazione Ricerca Scientifica e Innovazione for the Patent Information Point and technological transfer activities for biotechnology and pharmaceutical patents. The activities mainly involved meetings with inventors, advice on patentability, patent anteriority bibliographic research. Technical and linguistic assistance in technological transfer.

2003 – 2005

Researcher and patent consultant with the Microbiology Laboratory of Rome "La Sapienza" University, Prof. M.L. Bernardini, for closing the UE contract "INNOVAX" developed over the previous three years.

2002 – 2003

Post-doc researcher with the Istituto Superiore di Sanità in the virology laboratory on the project: "In vivo analysis of inflammatory response induced by coxsackie virus infection".

2000 – 2002

Researcher in the EU INNOVAX project "Quality of Life and Management of Living Resources" for the theme "The Development of Vaccines to Prevent Shigella Infections" (contract N. QLK2-CT-1999-00938).

1999 – 2003

PhD in "Cellular Microbiology". Cellular Biology and Development Department - Rome "La Sapienza" University - Prof. M.L. Bernardini. Theme: Analysis di candidate vaccinali in nuovi modelli di infezione per lo studio della Shigellosi.

1999 - 2003

PhD in "Cellular Biology and Microbiology". Unité de Microbiologie. Hopital Necker "enfants malades" Paris V Sciences Medicales. Université René Descartes – Prof. Xavier Nassif. Theme: Microarray analysis of inflammatory response in Neisseria meningitidis infection

1996 – 1999

Researcher in Cellular and Developmental Biology Department - Rome "La Sapienza" University - in cooperation with the "Service de Pathogénie Microbienne Moléculaire" - Institut Pasteur under the direction of Prof. P. Sansonetti. Theme: "Costruzione di ceppi mutanti di Shigella flexneri come potenziali vettori vaccinali"

1996-1999

Collaboration on an EU-financed biotechnology project regarding "Enteric Invasive Bacteria as Live Attenuated Vectors For Mucosal Immunization".

EDUCATION AND TRAINING

• Dates

1995 – 1997

Scientific collaboration on a World Health Organization research project: “Shigella flexneri vaccine based on activation of genes involved in intracellular replication/survival and host cell killing”.

1994 – 1996

Researcher with ENEA – Casaccia research centre - Prof. G. D’Agostaro. Theme: “Studio molecolare e citogenetica di mutazioni della glicosilazione associate alla trasformazione neoplastica ed alla progressione metastatica”.

From 2002

Voluntary work with the “Peter Pan” non-profit association for children with cancer and blood disorders.

2005

Teaching activities on intellectual property for the Biotechnology Master’s programme at the Cellular and Developmental Biology Department.

2004

EPO course for Espacenet, Inpadoc and Epoline databases

1999-2003

PhD in Cellular Microbiology in Italy and in France.

1993

Degree in Biological Science. Title of experimental thesis: “Effetti metabolici della glicoproteina gp120 del capsid di HIV in cellule neuronali” Supervisor Prof. S. Biagioni -

1986

Baccalaureat diploma at “Lycee Chateaubriand de Rome” with mention.

MOTHER TONGUE

ITALIAN AND FRENCH

OTHER LANGUAGES

ENGLISH

- Reading skills
- Writing skills
- Verbal skills

EXCELLENT

EXCELLENT

EXCELLENT

SOCIAL SKILLS AND COMPETENCES

VOLUNTEERING ACTIVITY AT PETER PAN ONLUS

TECHNICAL SKILLS AND COMPETENCES

TECHNIQUES OF CELLULAR AND DEVELOPMENTAL BIOLOGY, MICROBIOLOGY, MOLECULAR BIOLOGY, NEUROLOGY, IMMUNOLOGY

OTHER SKILLS AND COMPETENCES

Competences not mentioned above

MEMBER OF THE NATIONAL TEAM OF PENTATHLON MODERNO

PROJECT MANAGEMENT, HUMAN RESOURCES IN THE HEALTH FIELD, PUBLIC RELATIONS WITH DOCTORS, SCIENTIFIC MARKETING, SCIENTIFIC COMMUNICATION, LEADING SKILLS, PUBLIC PRESENTATION IN WORKSHOPS, ABILITY TO PRIORITIZE THE WORKLOAD, MANAGEMENT AS CEO, WORKING KNOWLEDGE OF ICH-GCP GUIDELINES, WORKING WITH PUBLIC INSTITUTIONS (ISS, MINISTERO DELLA SALUTE, AIFA, EMA)

DRIVING LICENCE(S)

Italian type B

Publications

I. Martini and H. Valensise, 2015. Patent granted on "optimization of stem cells viability after maternal supplementation with DHA" Priority N. RM2013A000128.

Cicero G., Nanda V. and **I. Martini, 2015** -The Effect of two Different Culture Media on the Proliferation of Dental Pulp Stem Cells: Bovine Fetal Serum and Platelet Lysate – Current Research in Dentistry

I. Martini I, EG. Di Domenico, R. Scala, F. Caruso, C. Ferreri, FM. Ubaldi, A. Lenzi, H. Valensise, **2014** – Optimization of the viability of stem cells derived from umbilical cord blood after maternal supplementation with DHA during the second or third trimester of pregnancy: study protocol for a randomized controlled trial – Trials May 10;15:164

M.V. Corrias, S. Dallorso, R. Haupt, **I. Martini**, V. Pistoia, A. Garaventa, **2008** – Umbilical Cord Blood Transplantation: should solid cancer in infancy become a matter of concern – Journal of National Cancer Institute

I. Martini, A. Di Lonardo, J. Maturano and L. Fiore., **2006** – Pathogenicity of CAV9 infectious in mouse model - Journal of General Virology

M.C. Martino, G., Rossi, **I. Martini**, I. Tattoli I., D. Chiavolini, A. Phalipon, P. Sansonetti and M.L. Bernardini, **2005** – Mucosal lymphoid infiltrate dominates colonic pathology in murine experimental shigellosis – Journal of Infectious Diseases 192 (1): 136-48

M.C. Martino, G. Rossi, I. Tattoli, **I. Martini**, D. Chiavolini, G. Cortese and M.L. Bernardini, **2005** – Intravenous infection of virulent shigellae causes fulminant hepatitis in mice – Cellular Microbiology 7(1):115-127

A. Cersini, M.C. Martino, **I. Martini**, G. Rossi, M.L. Bernardini Dec **2003** – Analysis of Virulence and inflammatory Potential of Shigella flexneri Purine Biosynthesis Mutants - Infection and Immunity 71 (12): 7002-7013

M.L. Bernardini, J. Arondel, **I. Martini**, A. Aidara, P.J. Sansonetti. **2001** - Parameters underlying successful protection with live attenuated mutants in experimental Shigellosis. Infection and Immunity. 69(2): 1072-1083

A.L. Vignoli **I. Martini** K.G. Haglid. L. Silvestroni, G. Augusti-Tocco and S. Biagioni. **2000** - Neuronal glycolytic pathway impairment induced by HIV envelope glycoprotein gp120 - Molecular and Cellular Biochemistry 215: 73-80

Paper for Conferences

I. Martini – Results on optimization of stem cells viability for reducing engraftment delay – Cord Blood World Europe London 17/18 May, 2017

I. Martini - Le cellule staminali mesenchimali: origine, caratteristiche e applicazioni terapeutiche. Torino 12-13 Nov. 2016

I. Martini – La nuova generazione di NIPT- "Sviluppo embrionale, DNA fetale libero e chimerismo: un'opportunità per la scienza"- Hotel Ergife – Roma 11/05/2016

I. Martini – La nuova generazione di NIPT- "Sviluppo embrionale, DNA fetale libero e chimerismo: un'opportunità per la scienza"- Auditorium CAM – Monza 10/05/2016

I. Martini – Partorire con l'Arte e l'arte di partorire – "Uno sguardo sulla vita che nasce" Museo MACRO– Roma 26/01/16 a 1/03/16

I. Martini – Partorire con l'Arte e l'arte di partorire – "Uno sguardo sulla vita che nasce" Museo MADRE – Napoli 11/05/15 a 22/06/15

I. Martini – Partorire con l'Arte e l'arte di partorire – "Uno sguardo sulla vita che nasce" Gallerie d'Italia – Milano 21/01/15 a 06/03/15

I. Martini – Partorire con l'Arte e l'arte di partorire – "Uno sguardo sulla vita che nasce" Museo MAXXI – Roma 05/09/14 09/10/14

I. Martini - Benessere e bellezza in gravidanza" A.GI.CO - Roma, 03-05/06/2014

I. Martini - "Inclusione della donna nel mondo del lavoro: ricercatrici, inventrici, innovatrici, start-upper". Ass. ITWIIN e UNIV. DI BARI Bari, 23/05/2014

I. Martini - "Il crowdfunding e le sue ricadute sulla ricerca universitaria" Palazzo Re Enzo Bologna, 13-14/05/2014

I. Martini - "World Stem Cells Summit '13" San Diego (CA), 4-6/12/13

I. Martini - "Cellule staminali: cosa ne fanno gli italiani? Quali opportunità?" Roma, Palazzo di Montecitorio, 14/11/13

I. Martini - "Preservazione della fertilità femminile" Roma, MACRO, 29/11/13

I. Martini - ESH / Eurocord-Ed / Eurocord World Cord Blood Congress IV and Innovative Therapies for Sickle Cell Disease Principato di Monaco, 24 - 27/10/13

I. Martini - Osp. San Giovanni Calibita Fatebenefratelli - Isola Tiberina Workshop su Nutrizione e Riproduzione: "Alimentazione moderna e procreazione, un binomio inconciliabile?" Roma, 25-26/10/13

I. Martini - "Riparazione tissutale: dall'ingegneria dei tessuti alla Medicina rigenerativa" Workshop Tecnobionet Polo di Ricerca e Innovazione sulle Scienze della Vita Genova, Palazzo Ducale, 15-16/10/13

I. Martini - "L'Italia e la European Biotech Week" promossa da European Biotech Week In varie località italiane, 30/09/13 - 6/10/13

I. Martini - Leadership femminile e agenda per lo sviluppo; Formazione, Ricerca, Innovazione, Imprenditorialità – ITWIIN in collaborazione con CNR-Istituto di ricerche sulla popolazione e le politiche sociali e Donne e Scienza. Roma, 21 Giugno 2013

I. Martini - Le nuove frontiere della Medicina rigenerativa: cellule staminali da polpa dentale - 26° Congresso Naz.le e 7° Congresso

Int.le - AIO (Ass. Ital. Odontoiatri) Alghero, 13-15 Giugno 2013

I. Martini - Titolo: Stato dell'arte sulle Cellule Staminali Neonatali -gli operatori, gli utenti e i servizi – Centro Direzionale Banco Santo Stefano – Martellago (VE), 25 Maggio 2013

I. Martini - 60° anniversario Federfarma – Catania, 23 Febbraio 2013

I. Martini. Cellule staminali - SIPPO. Roma, 15 October 2011

I. Martini. Analisi comparativa tra cellule staminali pluripotenti e multipotenti - ACCADEMIA LANCISANA Roma, 11 January 2011

I. Martini. Sviluppo cerebro-fetale e DHA. Il Congresso Nazionale SIFIOG - Giardini di Naxos, April 2010.

I. Martini. Raccolta ed utilizzo del sangue cordonale: l'impegno delle Ostetriche. Collegio provinciale delle ostetriche di Roma. Roma November 2009.

I. Martini. Per una condivisione delle linee guida sul taglio cesareo- SIPPO. Roma, November 2009.

I. Martini. Emergenze Ostetriche. Ospedale San Giovanni Calibita. Roma, November 2009.

I. Martini. Corso AOGO di aggiornamento teorico pratico in medicina embrio-fetale e perinatale. Villasimius, May 2009.

I. Martini. L'identità biologica e la cultura della nascita: il ruolo della comunicazione nel mondo delle staminali. Società Italiana di Psicoprofilassi Ostetrica - SIPPO. San Gemini, May 2009.

I. Martini. Cellula staminali-Biologia. ASREM Campobasso, 20 March 2009.

I. Martini. Cellule staminali da cordone ombelicale: caratteristiche, applicazioni terapeutiche ed esperienza. XVII Congresso nazionale della Società italiana di Psicoprofilassi Ostetrica – SIPPO. Roma, May 2008.

I. Martini. Biologia delle cellule staminali. Le cellule staminali da cordone ombelicale. Dipartimento materno Infantile dell'Azienda provinciale per i Servizi Sanitari di Trento Coordinamento Trapianti. Trento 27, November 2008.

L. Fiore, **I. Martini**, J. Maturano, A. Lepri, R. d'Ambrosio, C. Amato, A. Calmieri, A. di Lonardo. Pathogenicity of CAV9 infectious in mouse model. Seventh International Symposium on Positive-strand RNA viruses. San Francisco, May 2004.

C. Martino, G. Rossi, **I. Martini**, G. Citro, A. Phalipon, P.J. Sansonetti, D. Chiavolini, G. Pozzi, M. L. Bernardini. The intragastric infection of mice as a novel model of shigellosis. Integrative Approaches in Microbial Pathogenesis. Paris, 13-16 November 2002.

I. Tattoli, A. Cersini, **I. Martini**, M.L. Bernardini. Role of peptidoglycan components in the invasion process of *Shigella flexneri*. In Euroesco Conference. Giens, France, October 2000.

I. Tattoli, A. Cersini, **I. Martini**, M.E. De Stefano, M.L. Bernardini. Analisi della virulenza di mutanti di *Shigella flexneri* incapaci di sintetizzare il peptidoglicano In Congr Naz. Soc. Ital. Microbiologia, Jesi, October 2000.

S. Coletta, C. Pazzani, C. Bartoleschi MC. Pardini, **I. Martini**, A. Cersini, M.L. Bernardini. Selection of *Shigella flexneri* genes activated within host cell cytoplasm. In EMBO-EBNIC Workshop on Cellular Microbiology Host cell pathogen interactions in infectious diseases. Siena, 30 January -2 February 1999.

S. Coletta, C. Pazzani, **I. Martini**, C. Bartoleschi, A. Cersini, M.L. Bernardini. Identification of *Shigella flexneri* genes activated during cell invasion In: second Conference Louis Pasteur on Infectious Diseases. Paris, 6-10 October 1998.

M.L. Bernardini, J. Arondel, A. Aidara, **I. Martini**, A. Phalipon, P.J. Sansonetti. *In vivo* analysis and evaluation of two *Shigella flexneri* auxotrophic mutants as vaccine candidates. In: Second Conference Louis Pasteur on Infectious Diseases. Paris, 8-10 October 1996.

Vignoli AL, **I. Martini**, S. Biagioni, Rossi A, Angusti-Tocco G;. Interaction of HIV gp120 with neuroblastoma cell lines: evaluation of cell damage. In: Sixth European Congress on Biotechnology, abstract book: vol. III., 13 — 17 June 1993.

S. Biagioni, **I. Martini**, A. Rossi, A.L. Vignoli, G. Angusti-Tocco. Effetti metabolici della gp120 in cellule di neuroblastoma murino. In: Il Congresso nazionale del Dip. di Scienze Neurologiche: ambiente e malattie del sistema nervoso, abstract 29-30, 11—12 December 1992.

[Include here any other information that may be relevant, for example contact persons, references, etc.]

ANNEXES [List any attached annexes]

Ai sensi del D.Lgs.196/2003 esprimo il consenso al trattamento dei dati personali