

BARBARA PASCUCCI

CURRICULUM VITAE

Name: Barbara Pascucci
Nationality: Italian
Date & Place of Birth: July 31, 1969, Rome
Address: CNR
Institute of Crystallography
Section of Rome
Via Salaria, Km. 29.300
00016 Monterotondo Scalo,
Rome – Italy.
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EDUCATION

1987: Italian State Board on Humanities passed, July 1987
1988-1993: Student, University of Rome "La Sapienza", Faculty of Science
1993: on July 15, Degree "Magna cum laude" in Biological Science at the University of Rome "La Sapienza" presenting the experimental thesis: "Production and characterization of human Factor XII recombinant proteins devoid of specific structural domains"
Supervisor: Dr. Franca Citarella and Prof. Antonio Fantoni.
1995: Qualifying examination to be a professional biologist
2002: Post graduate in biotechnology
2017: on February 14, Master "Magna cum laude" in "Personalized Nutrition: Molecular and Genetics Basis" at the University of Rome Tor Vergata
Foreign languages: English certificate (50° level) The Shenker Method

RESEARCH EXPERIENCES

1991-1993: Experimental work for the preparation of her thesis, advisor Prof. Antonio Fantoni,

Sez. Biologia Cellulare, Dip.
Biopatologia Umana, Univ. of
Rome "La Sapienza"

1993-1994:

Research Assistant in the same
institution, working at the
construction and characterization
of a new Factor XII recombinant
protein.

Working visit in the lab of
C.E. Hack, Central Laboratory of
The Netherlands Red Cross Blood
Transfusion Service and Laboratory
for Experimental and Clinical
Immunology, University of
Amsterdam, working on human
Factor XII molecule.

January 1995-December 1996:

E.E.C. research contract. Title of the
project: "Mutagenesis and DNA repair in
mitochondria." Scientific supervisor Dr.
Eugenia Dogliotti. Lab. of Comparative
Toxicology and Ecotoxicology, National
Health Institute

November 1996:

Working visit in the lab directed by
R.P.P.Fuchs, Cancérogenese et
Mutagenése Moleculaire et
Structurale, Unité Prope de Recherche du
Centre National de la Recherche
Scientifique - CNRS.
Laboratory Epidemiologie Moléculaire du
Cancer - CNRS, Institut de Recherche
Contre le Cancer de l'Appareil Digestif -
IRCAD, working on the MAMA/PCR
method setting up. Funded by the DNA
Repair Network.

April 1997-February 1998:

Visiting scientist at the lab directed by
R.P.P.Fuchs, Cancérogenese et
Mutagenése Moleculaire et
Structurale, Unité Prope de Recherche du
Centre National de la Recherche
Scientifique - CNRS.
Laboratory Epidemiologie Moléculaire du
Cancer - CNRS, Institut de Recherche
Contre le Cancer de l'Appareil Digestif -
IRCAD. Title of the project: "An experimental
strategy for detection of low frequency
mutations in human DNA: towards an
application in molecular epidemiology"
Granted by the Ligue Nationale Contre le
Cancer.

May-June 1998:

Visiting scientist at the lab directed by
U. Hubscher, Institut fur Veterinarbiochemie,
University of Zurich, working on the *in vitro*
reconstitution of the long-patch base excision

- repair pathway. Funded by the EU Concerted Action Committee.
- June 1998-December 2000:** Research contract from the Environment Department. Title of the project: "Caratterizzazione chimica e tossicologica delle emissioni da carburanti alternativi per il trasporto pubblico nelle aree urbane" Scientific supervisor Dr. Angelo Carere. Lab. of Comparative Toxicology and Ecotoxicology, National Health Institute
- September-October 1998:** Visiting scientist at the lab directed by U. Hubscher, Institut fur Veterinarbiochemie, University of Zurich, working on the *in vitro* reconstitution of the long-patch base excision repair pathway. Funded by the University of Zurich
- December 2000-May 2001:** E.E.C. research contract. Title of the project "Role of the Mismatch Repair in the repair of DNA lesions induced by oxidative stress", Scientific supervisor Dr. Margherita Bignami, Lab. of Comparative Toxicology and Ecotoxicology, National Health Institute
- January 2001-December 2002** Grant from the Fondazione Italiana per la Ricerca sul Cancro. Title of the project: "Caratterizzazione dei meccanismi di riparazione implicati nella rimozione delle guanine ossidate"
- June 2001:** Winner of a grant from National Health Institute
- December 2001:** Winner of a permanent position, as a researcher, in the Institute of Crystallography at the CNR
- April 2015:** Visiting scientist at the NASA laboratories of Kennedy Space Center in Cape Canaveral working on the Nanoparticles and Osteoporosis (NATO) project which is focused on the development of a nanotechnology approach as a countermeasure to reduce microgravity-induced osteoporosis

A W A R D S

September 1997: Winner of the SIMA (Italian Society Environmental Mutagenesis) prize 1997 for the best paper published in international journals in 1997

P R O J E C T S

- Participant Operating Unit of the project "Mutagenesis and DNA repair in mitochondria" ISS/CEE, 1995-1996

- Participant Operating Unit of the project "Caratterizzazione chimica e tossicologica delle emissioni da carburanti alternativi per il trasporto pubblico nelle aree urbane" ISS/Ministero dell'Ambiente, 1998-2000

-Participant Operating Unit of the project "Ruolo del Mismatch Repair nella riparazione delle lesioni al DNA indotte da stress ossidativo" ISS/CEE, 2000-2001

- Participant Operating Unit of the project "Riparazione per escissione di basi: connessione col ciclo cellulare e possibile utilizzo per contrastare la trasformazione spontanea" Compagnia di San Paolo, 2002-2008

- Participant Operating Unit of the project "Oxidative DNA damage in human primary skin cells: mechanisms and implications for carcinogenesis" AIRC, 2006-2008

- Participant Operating Unit of the project "NANoparticles based countermeasures for Treatment of microgravity induced Osteoporosis (NATO)", ASI: Agenzia Spaziale Italiana DC-MIC-2012-024, 2013-2014

- Head of the project "La sindrome di Cockayne: meccanismi patogenetici e ricerca di nuovi approcci terapeutici, CNCCS: Creazione di un Centro per le Ricerche di nuovi farmaci per le Malattie Rare, Trascurate e della Povertà. Scouting di nuovi target nel campo delle malattie rare, trascurate e della povertà 2013-2014

- Head of operational unit of the project "Ubiquitin E3 ligases as critical sensors in physiological and pathological conditions" PRIN 2015

-CoPI of the project "COMET-ISS - TaRgeting the FGF23-Klotho axis for diagnostics Of microGravity inducEd osteopoRosis on ISS" ASI BANDO ASI DC-VUM-2020-7

E D I T O R I A L B O A R D S a n d S C I E N T I F I C S O C I E T I E S

-Member of Editorial Board of ISRN Molecular Biology

-Member of Editorial Board of International Journal of Molecular Sciences, as Topic Editor

-Board member of Società Italiana di Mutagenesi Ambientale e Genomica (SIMAG) from 2020

-Member of European Environmental Mutagen Society (EEMS)

G U E S T E D I T O R

-Special Issue "Mitochondrial Dysfunction: A Common Trigger in Neurodegenerative and Metabolic Non-communicable Diseases" for International Journal of Molecular Sciences, with Paola Fortini.

https://www.mdpi.com/journal/ijms/special_issues/Mitochondrial_Neurodegenerative_Metabolic

-Special Issue "Future Challenges and Trends of Nucleic Acids" for International Journal of Molecular Sciences, with Annalisa Masi and Maria Moccia.
https://www.mdpi.com/journal/ijms/special_issues/future_challenges_trends_nucleic_acids

PUBLICATIONS

-*Monoclonal antibody F1 binds to the Kringle domain of Factor XII and induces enhanced susceptibility for cleavage by kallikrein*
Dorothea M. Ravon, Franca Citarella, Yvonne T.P. Lubbers, **Barbara Pascucci**, C. Erik Hack.
Blood, Vol 86, No 11, 4134-4143, **1995**

-*Structure-function analysis of human Factor XII using recombinant deletion-mutants: evidence for an additional region involved in the binding to negatively charged surfaces*
Franca Citarella, Dorothea M. Ravon, **Barbara Pascucci**, Angelina Felici, Antonio Fantoni and C. Erik Hack
European Journal of Biochemistry, 238:240-249, **1996**

-*Mutagenesis of abasic sites*
Dogliotti E., Fortini P., **Pascucci B.**,
Base Excision Repair of DNA Damage, Molecular Biology Intelligence Unit, ed. I.D. Hickson, Springer, chapter 6, pp. 81-101, **1997**

-*DNA repair of UV photoproducts and mutagenesis in human mitochondrial DNA*
Barbara Pascucci, A. Varsteegh, A. van der Leer-van Hoffen, A.A. van Zeeland, L.H.F. Mullenders and E. Dogliotti
Journal of Molecular Biology, 273 (2):417-427, **1997**

-*Different DNA polymerases are involved in the short- and long-patch base excision repair in mammalian cells*
P. Fortini, **B. Pascucci**, E. Parlanti, R.W. Sobol, S.H. Wilson and E. Dogliotti
Biochemistry, 11, 3575-3580, **1998**

-*Mammalian base excision repair by DNA polymerase δ and ϵ*
M. Stucki, **B. Pascucci**, E. Parlanti, P. Fortini, S.H. Wilson, U. Hubsher and E. Dogliotti
Oncogene, 17,835-843, **1998**

-*High levels of polymorphism detected in bird species and populations with M13 fingerprinting probe*
Domenico Fulgione, Gabriele Procaccini, Bruno Varriale, **Barbara Pascucci** and Mario Milone
Italian Journal of Zoology, 65,291-294, **1998**

-*Long patch base excision repair with purified human proteins: DNA ligase I as patch size mediator for DNA polymerase δ and ϵ*
Barbara Pascucci, Manuel Stucki, Zophonias Jönsson, Eugenia Dogliotti and Ulrich Hubscher
Journal of Biological Chemistry, 274, 47, 33696-33702, **1999**

-*DNA polymerase β is required for efficient DNA strand break repair induced by methyl methanesulfonate but not by hydrogen peroxide*
Paola Fortini, **Barbara Pascucci**, Federico Belisario and Eugenia Dogliotti
Nucleic Acids Research, 28, 16, 3040-3046, **2000**

-*The mechanism of switching among multiple BER pathways*
Eugenia Dogliotti, Paola Fortini, **Barbara Pascucci**, Eleonora Parlanti
Progress in Nucleic Acid Research and Molecular Biology, 68, 1-27, **2001**

-Reconstitution of the base excision repair pathway for 7,8-dihydro-8-oxoguanine with purified human proteins.

B. Pascucci, G. Maga, U. Hubscher, M. Bjoras, E. Seeberg, I.D. Hickson, G. Villani, C. Giordano, L. Cellai, and E. Dogliotti

Nucleic Acids Research, 30, 10, 2124-2130, **2002**

-8-Oxoguanine DNA damage: at the crossroad of alternative repair pathway

P. Fortini, **B. Pascucci**, E. Parlanti, M. D'Errico, V. Simonelli and E. Dogliotti

Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis 531(1-2), 127-139, **2003**

-The base excision repair: mechanism and its relevance for cancer susceptibility

P. Fortini, **B. Pascucci**, E. Parlanti, M. D'Errico, V. Simonelli, E. Dogliotti

Biochimie, 85, 1053-1071, **2003**

-Aphidicolin-resistant and -sensitive base excision repair in wild type and DNA polymerase β defective mouse cells

Parlanti E, **Pascucci B.**, Terrados G, Blanco L, Dogliotti E

DNA Repair (Amst), 2, 3(7), 703-710, **2004**

-The accumulation of MMS-induced single strand breaks in G₁ phase is recombinogenic in DNA polymerase β defective mammalian cells

Barbara Pascucci, Maria Teresa Russo, Marco Crescenzi, Margherita Bignami, and Eugenia Dogliotti

Nucleic Acid Research, 33(1), 280-288, **2005**

-In vitro base excision repair assay using mammalian cell extracts

Guido Frosina, Enrico Cappelli, Monica Ropolo, Paola Fortini, **Barbara Pascucci** and Eugenia Dogliotti

Methods in Molecular Biology: DNA Repair Protocols: Mammalian Systems, Second Edition Edited by: D.S. Henderson, Humana Press Inc., Totowa, NJ, pg. 377-395, **2006**.

-Identification of the minimal melanocyte-specific promoter in the melanocortin receptor 1 gene

Miccadei S, **Pascucci B**, Picardo M, Natali PG, Civitareale D

J. Exp. Clin. Cancer Res. 27:71, **2008**

-Large scale analysis of transcription factor TTF-1/NKX2.1 target genes in GnRH secreting cell line GT1-7

Claudia Provenzano, **Barbara Pascucci**, Eliana Lupari and Donato Civitareale

Molecular and Cellular Endocrinology, 29; 323(2):215-23, **2010**

-Role of nucleotide excision repair proteins in oxidative DNA damage repair: an updating

Pascucci B, D'Errico M, Parlanti E, Giovannini S, Dogliotti E

Biochemistry (Mosc). 76(1):4-15, **2011**

-An altered redox balance mediates the hypersensitivity of Cockayne syndrome primary fibroblasts to oxidative stress

Pascucci B, Lemma T, Iorio E, Giovannini S, Vaz B, Iavarone I, Calcagnile A, Narciso L, Degan P, Podo F, Roginskya V, Janjic BM, Van Houten B, Stefanini M, Dogliotti E, D'Errico M
Aging Cell. 11(3):520-9, **2012**

-DNA damage response by single-strand breaks in terminally differentiated muscle cells and the control of muscle integrity

Fortini P, Ferretti C, **Pascucci B**, Narciso L, Pajalunga D, Puggioni EM, Castino R, Isidoro C, Crescenzi M, Dogliotti E

Cell Death Differ. 19(11):1741-9, **2012**

-Riparazione del danno al DNA: dai meccanismi alle implicazioni cliniche
Valeria Simonelli, Maria Rosaria D'Errico, Paola Fortini, Eleonora Parlanti,
Cecilia Guastadisegni, Angelo Salvatore Calcagnile, **Barbara Pascucci**, Filomena Mazzei,
Eugenia Dogliotti
Rapporti Istisan 12/37, **2012**

-The role of CSA and CSB protein in the oxidative stress response
D'Errico M, **Pascucci B**, Iorio E, Van Houten B, Dogliotti E.
Mech Ageing Dev. 134(5-6):261-9, **2013**

-Functional and molecular defects of hiPSC-derived neurons from patients with ATM deficiency
Carlessi L, Fusar Poli E, Bechi G, Mantegazza M, **Pascucci B**, Narciso L, Dogliotti E, Sala C, Verpelli C, Lecis D, Delia D.
Cell Death Dis. 5:e1342, **2014**

-Microgravity-driven remodeling of the proteome reveals insights into molecular mechanisms and signal networks involved in response to the space flight environment
Giuseppina Rea, Francesco Cristofaro, Giuseppe Pani, **Barbara Pascucci**, Sandip A. Ghuge, Paola Antonia Corsetto, Marcello Imbriani, Livia Visai, Angela M. Rizzo
Journal of Proteomics. 30; 137:3-18, **2016**

-The fine tuning of metabolism, autophagy and differentiation during in vitro myogenesis
Fortini P, Ferretti C, Iorio E, Cagnin M, Garribba L, Pietraforte D, Falchi M, **Pascucci B**, Baccarini S, Morani F, Phadngam S, De Luca G, Isidoro C, Dogliotti E
Cell Death Dis. 7:e2168, **2016**

-Crosstalk between mismatch repair and base excision repair in human gastric cancer
Valeria Simonelli, Giuseppe Leuzzi, Giorgia Basile, Mariarosaria D'Errico, Paola Fortini, Annapaola Franchitto, Valentina Viti, Ashley R. Brown, Eleonora Parlanti, **Barbara Pascucci**, Domenico Palli, Alessandro Giuliani, Fabio Palombo, Robert Sobol, and Eugenia Dogliotti.
Oncotarget 8(49):84827-40, **2016**

-Overexpression of parkin rescues the defective mitochondrial phenotype and the increased apoptosis of Cockayne Syndrome A cells
Pascucci B, D'Errico M, Romagnoli A, De Nuccio C, Savino M, Pietraforte D, Lanzafame M, Calcagnile AS, Fortini P, Baccarini S, Orioli D, Degan P, Visentin S, Stefanini M, Isidoro C, Fimia GM, Dogliotti E.
Oncotarget 8(61):102852-67, **2016**

-Single nucleotide polymorphisms in DNA glycosylases: from function to disease
Mariarosaria D'Errico, Eleonora Parlanti, **Barbara Pascucci**, Paola Fortini, Sara Baccarini, Valeria Simonelli, Eugenia Dogliotti
Free Radical Biology & Medicine 107:278-91, **2017**

-Heterogeneous and self-organizing mineralization of bone matrix promoted by hydroxyapatite nanoparticles
G. Campi, F. Cristofaro, G. Pani, M. Fratini, **B. Pascucci**, P.A. Corsetto, B. Weinhauseng, A. Cedola, A.M. Rizzo, L. Visai, G. Rea
Nanoscale 9(44):17274-83, **2017**

-CSA and CSB play a role in the response to DNA break
Pascucci B, Fragale A, Marabitti V, Leuzzi G, Calcagnile AS, Parlanti E, Franchitto A, Dogliotti E, D'Errico M.
Oncotarget 9(14):11581-91, **2018**

-The NATO project: nanoparticle-based countermeasures for microgravity-induced osteoporosis
F. Cristofaro, G. Pani, **B. Pascucci**, A. Mariani, M. Balsamo, A. Donati, G. Mascetti, G. Rea, A.M. Rizzo, L. Visai
Scientific Reports 9(1):17141, **2019**

-Purine DNA Lesions at Different Oxygen Concentration in DNA Repair-Impaired Human Cells (EUE-siXPA)
Marios G. Krokidis, Eleonora Parlanti, Mariarosaria D'Errico, **Barbara Pascucci**, Anna Pino, Alessandro Alimonti, Donatella Pietraforte, Annalisa Masi, Carla Ferreri and Chryssostomos Chatgililoglu
Cells 8(11): E1377, **2019**

-Oxygen-Dependent Accumulation of Purine DNA Lesions in Cockayne Syndrome Cells.
Krokidis MG, D'Errico M, **Pascucci B**, Parlanti E, Masi A, Ferreri C, Chatgililoglu C.
Cells 9: 1671, **2020**

-DNA Repair in the development of human diseases and therapy
D'Errico M., **Pascucci B.**, Parlanti E., Simonelli V. and Dogliotti E.
in: M. Dizdaroglu and R.S. Lloyd (Eds.), **DNA damage, DNA repair and Disease, The Royal Society of Chemistry**, Vol. 1: 348–378, **2020**

-The interplay between mitochondrial functionality and genome integrity in the prevention of human neurologic diseases
D'Errico M, Parlanti E, **Pascucci B**, Filomeni G, Mastroberardino PG, Dogliotti E.
Arch Biochem Biophys., 710:108977, **2021**

-DRP1 Inhibition Rescues Mitochondrial Integrity and Excessive Apoptosis in CS-A Disease Cell Models
Pascucci B, Spadaro F, Pietraforte D, De Nuccio C, Visentin S, Giglio P, Dogliotti E and D'Errico M.
International Journal of Molecular Sciences, 22(13):7123, **2021**

-Effects of Oxygen Tension for Membrane Lipidome Remodeling of Cockayne Syndrome Cell Models
Ferreri, C.; Sansone, A.; Krokidis, M.G.; Masi, A; **Pascucci, B.**; D'Errico, M.; Chatgililoglu, C.
Cells 11(8):1286, **2022**

-Long-term osteogenic differentiation of human bone marrow stromal cells in simulated microgravity: novel proteins sighted
Montagna G, Pani G, Flinkman D, Cristofaro F, **Pascucci B**, Massimino L, Lamparelli LA, Fassina L, James P, Coffey E, Rea G, Visai L, Rizzo AM
Cell Mol Life Sci. 79(10):536, **2022**

Assessing the Formation of Purine Lesions in Mitochondrial DNA of Cockayne Syndrome Cells
Chryssostomos Chatgililoglu, Marios G. Krokidis, Annalisa Masi, Sebastian Barata-Vallejo, Carla Ferreri, **Barbara Pascucci** and Mariarosaria D'Errico
Biomolecules 12, 1630, **2022**

ONLINE ARTICLES AND WEBSITES

-Risposta infiammatoria e suscettibilità a Covid-19 M

D'Errico, P. Fortini, F. Marcon, E. Meccia, E. Parlanti, **B. Pascucci**, V. Simonelli
WEB SITE Federazione Italiana Scienze della Vita (FISV), 25 May 2020

-Invecchiamento, obesità e inquinamento: quando il SARS-CoV-2 diventa un killer

P. Fortini, E. Parlanti, **B. Pascucci**
Il Sole24Ore, Health Insert, 25 May 2020

PUBLICATIONS of ABSTRACTS

-Recombinant Human Factor XII: Role of Regulatory Domains for The Process Of Contact Activation

Citarella F, Felici A, Aiuti A, **Pascucci B**, Dors DM, Hack CE, and Fantoni A.

Thrombosis and Haemostasis 69: 1993: pp. 1235

from XIVth Congress of the International Society on Thrombosis and Haemostasis

-Structure-function analysis of Human Factor XII using recombinant deletion-mutant - evidence for an additional region involved in the binding to negatively charged surfaces

F. Citarella, **B. Pascucci**, A. Felici, A. Fantoni and C.E. Hack.

Thrombosis and Haemostasis 73: 1993: pp. 1405

from XIVth Congress of the International Society on Thrombosis and Haemostasis

-DNA repair of UV photoproducts and mutagenesis in human mitochondrial DNA

Barbara Pascucci, A. Varsteegh, A. van der Leer-van Hoffen, A.A. van Zeeland, L.H.F. Mullenders and E. Dogliotti

Mutation Research September 1997, Vol. 379, No. 1, Supplement 1, pag. S84

from 7th International Conference on Environmental Mutagens

-Base excision repair in mammalian cells occurs also in the absence of DNA polymerase β

P. Fortini, **B. Pascucci**, R.W. Sobol, S.H. Wilson and E. Dogliotti

Mutation Research September 1997, Vol. 379, No. 1, Supplement 1, pag. S29

from 7th International Conference on Environmental Mutagens

-Multiple pathways for base excision repair in mammalian cells

P. Fortini, **B. Pascucci**, E. Parlanti and E. Dogliotti

EJB the Febs Journal 269, Supplement 1, 2002

from 28th Meeting of the Federation of European Biochemical Societies

-Bone remodelling study using strontium enriched hydroxyapatite nanoparticles

Rizzo AM, Campi G, Cristofaro F, Pani G, Corsetto PA, **Pascucci B**, Rea G, Visai L

Frontiers in Physiology 9

http://www.frontiersin.org/Community/AbstractDetails.aspx?ABS_DOI=10.3389/conf.fphys.2018.26.00030

from 39th ISGP Meeting & ESA Life Sciences Meeting, Noordwijk, Netherlands, 18-22 Jun, 2018

-Cockayne syndrome: a DNA repair defective syndrome with neurodegenerative features

Barbara Pascucci, Mariarosaria D'Errico

SMART eLAB, Vol. 16, 2021

from 1st Conference on Crystallography, Structural Chemistry and Biosystems (CSCB), Catania, October 04-06, 2021

CONGRESS COMMUNICATIONS (Posters and Oral Communications)

-XIVth Congress of the International Society on Thrombosis and Haemostasis; New York, July 4-9/1993.

Recombinant Human Factor XII: Role of Regulatory Domains for the Process Of Contact Activation

F. Citarella, A. Felici, A. Aiuti, **B. Pascucci**, D.M. Dors, C.E. Hack, and A. Fantoni.

-XIVth Congress of the International Society on Thrombosis and Haemostasis; New York, July 4-9/1993.

Structure-function analysis of Human Factor XII using recombinant deletion-mutant - evidence for an additional region involved in the binding to negatively charged surfaces

F. Citarella, **B. Pascucci**, A. Felici, A. Fantoni and C.E. Hack.

-XXXIX^o Convegno Associazione Genetica Italiana; Senigallia (AN), 29/9-1/10 1993.

The Human Factor XII Gene Promoter Contains Liver Specific and Estrogen Responsive Elements

F. Citarella, A. Felici, **B. Pascucci**, and A. Fantoni.

-XXX^o Convegno Scientifico SIBBM; Gubbio (PG), 4-6 October 1993.

Elementi Che Controllano L'Espressione Del Gene Fattore XII Umano

F. Citarella, A. Felici, S. Misiti, **B. Pascucci** e A. Fantoni.

-Atti del Convegno Congiunto ABCD-AGI-SIBBM-SIMGBM; Montesilvano Lido (PE), 26-30 October 1994.

Evidenze di un controllo negativo dell'espressione del gene FXII umano in cellule di epatoma umano (HepG2)

A. Felici, E. Mancini, **B. Pascucci** e F. Citarella.

-Atti del Convegno Congiunto ABCD- AGI- SIBBM- SIMGBM; Montesilvano Lido (PE), 26-30 October 1994.

Identificazione dei domini strutturali del Fattore XII umano responsabili della sua attivazione da contatto

F. Citarella, **B. Pascucci**, A. Felici, E. Mancini, G. Fedele e A. Fantoni.

-IV^o convegno Nazionale della Società Italiana di Mutagenesi Ambientale; San Miniato, 16-19 September 1995.

The RFLP-PCR assay for the detection of UV-induced mutations in mitochondrial DNA

B. Pascucci and E. Dogliotti.

-European Research Conference on "Mechanism of DNA repair"; Giens, France, 22-27 Settember 1995.

The RFLP-PCR assay for the detection of UV-induced mutations in mitochondrial DNA

B. Pascucci and E. Dogliotti.

-Workshop on Processing of DNA Damage: Molecular Mechanism and Biological Effects; Noordwijkerhout, The Netherlands, April 20-25, 1996.

Genotypic selection of spontaneous and UV-induced mutations in human mitochondrial DNA

B. Pascucci and E. Dogliotti.

-26th EEMS Annual Meeting, Workshop on Chromosome instability and cell cycle control; Istituto Superiore di Sanità, Rome, September 3-7, 1996.

Spontaneous and UV-induced mutation frequency and type in human mitochondrial DNA

B. Pascucci and E. Dogliotti.

-7th Internatinal Conference on Environmental Mutagens; Toulouse, France, September 7-12, 1997

DNA repair of UV photoproducts and mutagenesis in human mitochondrial DNA

B. Pascucci, A. Varsteegh, A. van der Leer-van Hoffen, A.A. van Zeeland, L.H.F. Mullenders
E. Dogliotti

-7th International Conference on Environmental Mutagens; Toulouse, France, September 7-12,
1997

Base excision repair in mammalian cells occurs also in the absence of DNA polymerase β
P. Fortini, **B. Pascucci**, R.W. Sobol, S.H. Wilson and E. Dogliotti

-Convegno congiunto AGI-SIMA (Associazione Genetica Italiana-Società Italiana di
Mutagenesi Ambientale); Orvieto (Tr), September 23-26, 1997.

Riparazione e induzione nel DNA mitocondriale umano dopo esposizione a luce UV

B. Pascucci, A. Varsteegh, A. van der Leer-van Hoffen, A.A. van Zeeland, L.H.F. Mullenders
E. Dogliotti

-Convegno congiunto AGI-SIMA (Associazione Genetica Italiana - Società Italiana di
Mutagenesi Ambientale); Orvieto (Tr), September 23-26, 1997.

La riparazione per escissione di basi avviene anche in assenza di DNA polimerasi β

P. Fortini, **B. Pascucci**, R.W. Sobol, S.H. Wilson and E. Dogliotti

-EARC XV^o, European Association for Cancer Research; Stockholm, August 15-19, 1998

Base excision repair by mouse and human cell extracts

Pascucci B., Fortini P., Stucki M., Hubscher U., Dogliotti E

-VI^o Congresso annuale della Società Italiana di Mutagenesi Ambientale (SIMA); Cortona,
October 7-10, 1998

In vitro recostituition of the base excision repair of human cells

Barbara Pascucci, Paola Fortini, Manuel Stucki, Ulrich Hubscher and Eugenia Dogliotti

-VII^o Congresso annuale della Società Italiana di Mutagenesi Ambientale (SIMA); Cortona,
October 6-8, 1999

*Long patch base excision repair with purified human proteins: DNA ligase I as patch size
mediator for DNA polymerase δ and ϵ*

Barbara Pascucci, Manuel Stucki, Zophonias O. Jönsson, Eugenia Dogliotti and Ulrich
Hubscher

-VII^o Congresso annuale della Società Italiana di Mutagenesi Ambientale (SIMA); Cortona,
October 6-8, 1999

*The lenght of the base excision repair patches is dependent on the DNA polymerase involved
in the synthesis step*

Paola Fortini, **Barbara Pascucci**, Manuel Stucki, Ulrich Hubscher and Eugenia Dogliotti

-ASM Conference on DNA Repair and Mutagenesis: Mechanism, Control, and Biological
Consequences; Hilton Head, South Caroline, November 1-7, 1999

*In vitro reconstitution of long patch base excision repair with purified human proteins: DNA
ligase I as patch size mediator for DNA polymerase δ and ϵ*

M. Stucki, **B. Pascucci**, Z. O. Jönsson, E. Dogliotti and U. Hubscher

-ASM Conference on DNA Repair and Mutagenesis: Mechanism, Control, and Biological
Consequences; Hilton Head, South Caroline, November 1-7, 1999

*Fine mapping of the base excision repair patches at different lesions in DNA polymerase β -
proficient and deficient mouse cell extracts*

P.Fortini, **B. Pascucci**, M.Stucki, U. Hubscher and E. Dogliotti

-BER Workshop 2000; Galveston, Texas, March 10-13 2000

DNA polymerase β -defective cells repair alkylation induced DNA damage via long-patch BER

Barbara Pascucci, Paola Fortini, Federico Belisario and Eugenia Dogliotti

-VIII^o Congresso annuale della Società Italiana di Mutagenesi Ambientale (SIMA); Palermo,
October 18-21, 2000

Characterization of the multiple base excision repair pathways in mammalian cells

Barbara Pascucci, Paola Fortini and Eugenia Dogliotti

-Workshop DNA repair: interplay with other cellular processes; Noordwijkerhout, the Netherlands, February 25 – March 2, 2001-03-08

8-oxoguanine repair by human purified proteins: DNA polymerase β mediated base excision repair

B. Pascucci, G. Maga, U. Hubscher, M. Bjoras, E. Seeberg, C. Giordano, L. Cellai, and E. Dogliotti

-5th Winter Research Conferences; Val Cenis – France, 17 – 23 March 2001

Mammalian DNA repair of 8-oxoguanine paired with cytosine or adenine

B. Pascucci, E. Parlanti, P. Fortini, G. Maga, U. Hubscher, M. Bjoras, E. Seeberg, J. Laval and E. Dogliotti

-3^o Convegno FISV; Riva del Garda (TN), Italy; 21 – 25 September 2001

FEN1, Pol β , e DNA ligasi I determinano la lunghezza dei frammenti di riparazione in accordo alla natura del terminale 5'

B. Pascucci, G. Maga, U. Hubscher, M. Bjoras, E. Seeberg, C. Giordano, L. Cellai, and E. Dogliotti

-4^o Convegno FISV; Riva del Garda (TN), Italy; 20 – 23 September 2002

Multiple pathway for repair of DNA single strand breaks

Paola Fortini, **Barbara Pascucci**, Eleonora Parlanti and Eugenia Dogliotti

-4^o Convegno FISV; Riva del Garda (TN), Italy; 20 – 23 September 2002

Una nuova polimerasi, afidicolina resistente, è coinvolta nel base excision repair

Eleonora Parlanti, **Barbara Pascucci**, Giovanni Maga, Luis Blanco and Eugenia Dogliotti

-4^o Convegno FISV; Riva del Garda (TN), Italy; 20 – 23 September 2002

Long patch base excision repair: meccanismo di riparazione d'elezione durante la fase S del ciclo cellulare

Barbara Pascucci, Marco Crescenzi and Eugenia Dogliotti

-28th Meeting of the Federation of European Biochemical Societies; Istanbul, Turkey 20-25 October 2002

Multiple pathways for base excision repair in mammalian cells

P. Fortini, **B. Pascucci**, E. Parlanti and E. Dogliotti

-5^o Convegno FISV; Rimini, Italy; 10 – 13 October 2003

Caratterizzazione del processamento del danno in cellule difettive della DNA polimerasi beta: ruolo di PCNA

Barbara Pascucci, Marco Crescenzi and Eugenia Dogliotti

-10th ICEM Conference; Firenze 20-25 August 2009

The role of Cockayne syndrome proteins in the repair of endogenous DNA damage

T. Lemma, P. Degan, E. Parlanti, **B. Pascucci**, A. Calcagnile, L. Narciso, V. Simonelli, M. Stefanini, J. De Wit, GTJ van der Horst, E. Dogliotti, M. D'Errico

-10th ICEM Conference; Firenze 20-25 August 2009

The response to DNA damage of terminally differentiated cells

P. Fortini, L. Narciso, R. Castino, D. Pajalunga, E. Puggioni, **B. Pascucci**, M. Crescenzi, C. Isidoro, E. Dogliotti

-International Meeting on health and environment: challenges for the future; Roma 9-11 December 2009

The response to DNA damage of terminally differentiated cells

P. Fortini, L. Narciso, R. Castino, D. Pajalunga, E. Puggioni, **B. Pascucci**, M. Crescenzi, C. Isidoro, E. Dogliotti

-International Meeting on health and environment: challenges for the future; Roma 9-11 December 2009

The role of Cockayne syndrome proteins in the repair of endogenous DNA damage

T. Lemma, P. Degan, E. Parlanti, **B. Pascucci**, A. Calcagnile, L. Narciso, V. Simonelli, M. Stefanini, J. De Wit, GTJ van der Horst, E. Dogliotti, M. D'Errico

-Simposio SIMA: Instabilità Genetica e Riparazione del DNA: Nuovi Paradigmi per la Ricerca Translazionale; Rome 15-16 November 2010

DNA damage response in terminally differentiated muscle cells: how do cells deal with accumulated DNA damage?

Fortini P., Ferretti C., Narciso L., **Pascucci B.**, Pajalunga D., Puggioni E., Crescenzi M., Dogliotti E

-Simposio SIMA: Instabilità Genetica e Riparazione del DNA: Nuovi Paradigmi per la Ricerca Translazionale; Rome 15-16 November 2010

Metabolic fingerprints of Cockayne syndrome primary fibroblasts reveal perturbed oxidative metabolism and mitochondrial dysfunction

Sara Giovannini, **Barbara Pascucci**, Egidio Iorio, Tiziana Lemma, Bruno Vaz, Angelo Calcagnile, Ivano Iavarone, Franca Podo, Miria Stefanini, Eugenia Dogliotti and Mariarosaria D'Errico

-Gordon Conference: Oxidative Stress & Disease: Emerging Research Areas in the Study of Oxidative Stress and Disease; Four Points Sheraton / Holiday Inn Express, Ventura, CA, March 13-18, 2011

DNA damage response in terminally differentiated muscle cells: how do cells deal with accumulated DNA damage?

Fortini P., **Pascucci B.**, Ferretti C., Narciso L., Pajalunga D., Puggioni E., Crescenzi M., Dogliotti E.

-Gordon Conference: Oxidative Stress & Disease: Emerging Research Areas in the Study of Oxidative Stress and Disease; Four Points Sheraton / Holiday Inn Express, Ventura, CA, March 13-18, 2011

Metabolic fingerprints of Cockayne syndrome primary fibroblasts reveal perturbed oxidative metabolism and mitochondrial dysfunction

Mariarosaria D'Errico, **Barbara Pascucci**, Sara Giovannini, Egidio Iorio, Tiziana Lemma, Bruno Vaz, Angelo Calcagnile, Ivano Iavarone, Laura Narciso, Franca Podo, Miria Stefanini and Eugenia Dogliotti

-Responses to DNA damage: from molecular mechanism to human disease; Egmond aan Zee, Paesi Bassi, 3-8 April 2011

DNA damage response in terminally differentiated muscle cells: how do cells deal with accumulated DNA damage?

Fortini P., Ferretti C., Laura Narciso, **Pascucci B.**, Pajalunga D., Puggioni E., Crescenzi M., Dogliotti E.

-19° Congresso Annuale della Società Italiana di Mutagenesi Ambientale (SIMA); Parma, 28-30 Settembre 2011

Mitochondrial dysfunction and oxidative stress play a causal role in the metabolic impairment observed in primary fibroblasts from Cockayne syndrome patients

Sara Giovannini, **Barbara Pascucci**, Egidio Iorio, Tiziana Lemma, Bruno Vaz, Ivano Iavarone, Angelo Calcagnile, Franca Podo, Vera Roginsky, Bennett Van Houten, Miria Stefanini, Eugenia Dogliotti and Mariarosaria D'Errico.

-The 3rd Erling Seeberg Symposium on DNA Repair, Trondheim and Orland 19-24 June 2012
Alteration of oxidative and energy metabolism characterize Cockayne syndrome primary fibroblasts

Mariarosaria D'Errico, **Barbara Pascucci**, Egidio Iorio, Bruno Vaz, Paolo Degan, Miria Stefanini, Bennett Van Houten and Eugenia Dogliotti

-The 3rd Erling Seeberg Symposium on DNA Repair, Trondheim and Orland 19-24 June 2012
DNA damage response by single-strand breaks in terminally differentiated muscle cells and the control of muscle integrity

Paola Fortini, Chiara Ferretti, **Barbara Pascucci**, Laura Narciso, Deborah Pajalunga, Eleonora Puggioni, Roberta Castino, Ciro Isidoro, Marco Crescenzi and Eugenia Dogliotti

-Eems Annual Meeting, Varsavia, 16-20 Settembre 2012

DNA damage response in primary fibroblasts derived from Cockayne syndrome patients

B. Pascucci, A. Fragale, A. Calcagnile, P. Degan, E. Dogliotti and M. D'Errico

-FISV Roma, 24-27 Settembre 2012

DNA damage response in primary fibroblasts derived from Cockayne syndrome patients

B. Pascucci, A. Fragale, A. Calcagnile, P. Degan, E. Dogliotti and M. D'Errico

-11th International Conference on Environmental Mutagens (ICEM 2013), Foz do Iguaçú (Brasil), 3-8 November 2013

The role of CSA and CSB in the response to oxidative stress: DNA repair defect or bioenergetics dysfunction?

E. Dogliotti, **B. Pascucci**, E. Iorio, M. D'Errico

-11th International Conference on Environmental Mutagens (ICEM 2013), Foz do Iguaçú (Brasil), 3-8 November 2013

Does CSA play a role in mitochondrial quality control?

Pascucci B., Lanzafame M., Orioli D., Stefanini M., Fimia G., Romagnoli A., Visentin S., De Nuccio C., Calcagnile A., Vaz B., Degan P., Dogliotti E., D'Errico M.

-XXXIII Conferenza Nazionale di Citometria, Aggiornamenti e Avanzamenti della Citometria in Applicazioni Cliniche e di Ricerca, Lucca 22-25 Settembre 2015

In vitro effects of nanoparticles on osteoblasts differentiation in microgravity

Francesco Cristofaro, Giuseppe Pani, **Barbara Pascucci**, Angela Maria Rizzo, Giuseppina Rea, Marco Vuckic, Livia Visai

-Joint Meeting AGI-SIMA, Cortona 28-30 Settembre 2015

The role of mitochondrial dysfunction in Cockayne Syndrome

Mariarosaria D'Errico, **Barbara Pascucci**, Alessandra Romagnoli, Chiara De Nuccio, Miriam Savino, Donatella Pietraforte, Manuela Lanzafame, Angelo Salvatore Calcagnile, Paola Fortini, Sara Baccarini, Donata Orioli, Paolo Degan, Sergio Visentin, Miria Stefanini, Ciro Isidoro, Gian Maria Fimia, Eugenia Dogliotti.

-International Conference Nanotech ITALY 2015, Cross-Cutting KETs for Responsible Innovation, Bologna 25-27 November 2015

In vitro effects of nanoparticles on bone remodelling in microgravity

Cristofaro F., Pani G., **Pascucci B.**, Rizzo A.M., Rea G., Visai L.

-14th European Life Sciences Symposium; 37th Annual International Gravitational Physiology Meeting Joint Life Science Meeting 'Life in Space for Life on Earth', 5-10 June 2016, Toulouse, France

In vitro effects of nanoparticles on bone remodelling in microgravity

Livia Visai, Angela Maria Rizzo, Giuseppina Rea, Francesco Cristofaro, Giuseppe Pani, **Barbara Pascucci**

-6th EU-US Conference on Repair of Endogenous DNA Damage, September 24-28, 2017 in Udine, Italy

The role of CSA and CSB in the response to single and double strand breaks

Barbara Pascucci, Alessandra Fragale, Veronica Marabitti, Giuseppe Leuzzi, Eleonora Parlanti, Annapaola Franchitto, Eugenia Dogliotti and Mariarosaria D'Errico

-The Joint Conference of the 25th European Low Gravity Research Association Biennial Symposium and General Assembly (ELGRA-25) and 7th International Symposium on Physical

Sciences in Space (ISPS-7), 2-6 October 2017, Conference Centre of Antibes, Juan-les-Pins, France

Osteoblast differentiation in simulated microgravity: in vitro effects of nanoparticles on bone remodelling

Rizzo AM, Pani G, Cristofaro F, **Pascucci B**, Corsetto PA, Rea G, Visai L

-ISGP-ESA Symposium: The Life Sciences Meeting 2018, 18-22 June 2018, Noordwijk, the Netherlands

Bone remodelling study using strontium enriched hydroxyapatite nanoparticles

Rizzo AM, Campi G, Cristofaro F, Pani G, Corsetto PA, **Pascucci B**, Rea G, Visai L

-XV FISV Congress, Sapienza University of Rome, 18-21 September 2018

Post-translational modifications of Drp1 link mitochondrial dysfunction to neurodegenerative features in Cockayne Syndrome A cells

Barbara Pascucci, F. Spadaro, C. De Nuccio, S. Visentin, D. Pietraforte, M. D'Errico

-9th World Congress on Targeting Mitochondria, Berlin, 24-25 October 2018

Post-translational modifications of Drp1 link mitochondrial dysfunction to neurodegenerative features in Cockayne Syndrome A cells

Barbara Pascucci, F. Spadaro, C. De Nuccio, S. Visentin, D. Pietraforte, E. Dogliotti, M. D'Errico

-Joint Meeting AGI-SIMAG, Cortona 26-28 September 2019

Enzymatic activity of Drp1 link mitochondrial dysfunction to neurodegenerative features in Cockayne Syndrome A cells

Barbara Pascucci, Francesca Spadaro, Paola Giglio, Chiara De Nuccio, Sergio Visentin, Donatella Pietraforte, Giuseppe Filomeni and Mariarosaria D'Errico

-The 45th FEBS Congress, Ljubljana-Slovenia 3-8 July, 2021 (held on line)

Proteomics investigation of microgravity conditioned human primary stem cells, in presence of SrHA nanoparticles

G. Montagna, L. Pasotti, L. Fassina, D. Flinkman, P. James, A.M. Rizzo, **B. Pascucci**, G. Rea, L. Visai

-61^o SIB2021 Congress, Virtual Edition 23-24 SEPT 2021.

Mesenchymal stem cell in simulated microgravity: a study on the osteogenic differentiation.

G. Montagna, G. Pani, D. Flinkman, **B. Pascucci**, L. Massimino, L.A. Lamparelli, L. Fassina, P. James, E. Coffey, G. Rea, L. Visai, A.M. Rizzo.

-Evento scientifico SIMAG 2021: La risposta cellulare al danno al DNA e l'integrità del genoma: le nuove frontiere della ricerca biomedica e ambientale, 23-25 November 2021, Roma (held on line)

Mitochondria dysfunction in Cockayne syndrome: the role of DRP1 protein

Mariarosaria D'Errico e **Barbara Pascucci**

-1st Conference on Crystallography, Structural Chemistry and Biosystems, 4-6 October 2021, Catania (held also on line)

Cockayne syndrome: a DNA repair defective syndrome with neurodegenerative features

Barbara Pascucci and Mariarosaria D'Errico

-IC-ISS (DAMSA-MBM) Workshop, 26 January 2022 (held on line)

Mitochondrial dysfunction in Cockayne syndrome: the role of DRP1 protein

Barbara Pascucci

CONGRESS PARTICIPATIONS

- EEMS, Genes and Environment, Bridging the gap; Maastricht, The Netherlands; Sept 4-8 2004
- XXXIV Congresso Nazionale della Società Italiana di Cristallografia, Roma; 26-29 Sept 2004
- 2nd EU-US DNA Repair Meeting: Endogenous Stress, Base Excision Repair and Related processes; Erice, Sicilia; 28/11 – 3/12 2005
- 33rd Annual Meeting of the European Thyroid Association; Thessaloniki-Chalkidiki, Greece; 20-24 Sept 2008
- International Meeting on Health and Environment: Challenges for the Future, Rome, 9-11 Dec 2009
- Conference Strategic Programme “Environment and Health” – Preliminary Results; Rome 4-5 February 2010
- International Congress Rare Diseases and Orphan Drugs, Istituto Superiore di Sanità, Roma Feb 2010
- Congresso “Acidosi, Stress Ossidativo e Salute”, Medicina Funzionale Regolatoria, Roma 26/10/2012
- Congresso “Aggiornamenti su alimentazione e tumore”, Piacenza 18/03/2016
- Riunione congiunta SINU-SISA “La nutrizione nella regolazione del microbioma umano”, Università Campus Biomedico di Roma 28/10/2016
- International Conference “Deciphering the biomolecular mechanisms of gut microbiome action on metabolism. Dietary implications, new functional foods and therapeutic drugs”, Napoli 03-05/05/2017
- Convegno “Disturbi dell'alimentazione: sensibilizzazione, diagnosi precoce e prospettive future”, Istituto Superiore di Sanità, Roma 23/2/2018
- Convegno “Lo studio di dieta totale nazionale: assunzione di nutrienti ed esposizione a contaminanti della popolazione italiana”, Istituto Superiore di Sanità, Roma 8/6/2018
- Convegno Nazionale “Sostanze Naturali e Terapie Integrate: dalla ricerca di base all'applicazione clinica” Istituto Superiore di Sanità, Roma 07/11/2018
- Convegno “Ambiente, Clima e promozione della salute dei bambini”, Castelporziano 21 Giugno 2019
- Workshop “IARC at ISS”, Istituto Superiore di Sanità, Roma 28/6/2019
- Convegno “Longevità in buona salute: dalla dieta mediterranea alla mima digiuno, opportunità preventive e terapeutiche”, CNR, 23/10/2019, Roma
- Convegno “Il principio delle 3RS per una visione comune”, Ministero della Salute, 31/10/2019, Roma

C O U R S E S

Teacher:

-III Course of "Cancerogenesi Molecolare", as a teacher, Istituto Superiore di Sanità, Roma, 15-17 Novembre 1995

-Course "Meccanismi molecolari di replicazione e riparazione del DNA", as a teacher, Istituto Biochimica delle Proteine, CNR, Napoli, 21/11/2003

-Course SIMEL "Biologia Molecolare: Metodologie e Applicazioni Cliniche", as a teacher, Roma 15-16 Novembre 2006. ECM

-Participation, as a teacher, in the activities of the information event, addressed to the population on Alzheimer's disease. Istituto Superiore di Sanità, Roma, 4 giugno 2019, Roma

Learner:

-Seminar on "Genetic Epidemiology", Istituto Superiore di Sanità, Roma, 19-21 Giugno 1995

-"Disegno ed Analisi Statistica di Studi di Mutagenesi Ambientale in Laboratorio e nell'Uomo", Istituto Superiore di Sanità, Roma, 2-5 Ottobre 1995

-II Workshop "La genetica umana alle soglie del 2000", Istituto Superiore di Sanità, Roma, 19-20 Novembre 1998.

-Course "teorico pratico per il personale che opera con animali da laboratorio", Istituto Superiore di Sanità, Roma, 27/3 e 8/5 2001

-Course of Crystallography, Istituto di Cristallografia, CNR, Roma, March 2004

-Course on "ABI Prism 7000", Applied Biosystems, Roma, 15-16 June 2005

-Course "The RNA Symposia Series, Messenger, Micro and Interfering", Applied Biosystems, Roma, 25/10/2006

-Incontro informativo sulla sicurezza sul lavoro, Istituto Superiore di Sanità, Roma, 17/05/2010

-Course "Understanding the Genome: New Technologies from Discovery to Validation", Applied Biosystems, Roma, 08/11/2010

-Course "Protein Purification Roadshow", GE Healthcare, Roma, 09/05/2011

-Seminar on "Metodi di valutazione della ricerca: Web of Science, Journal Citation Report – IF ed altri indicatori bibliometrici", Istituto Superiore di Sanità, Roma 19/06/2013

-III° Corso di Formazione e Informazione "INTEGRAZIONE DI MEDICINE PER LA SALUTE DELL'UOMO, Gli oli essenziali per la salute dell'uomo e la salvaguardia dell'ambiente". 16,30 ore formative Roma 17-18/10/2014 e 5/12/2014

-Course "QF110KSC-KSC General Hazards Familiarization and Introduction to information technology security for new employees" 2/04/2015 NASA, Kennedy Space Center, Cape Canaveral

-Seminario "Cancer Research for Cancer Prevention-Prospettive di Collaborazione IARC-ISS", Istituto Superiore di Sanità, Roma, 1/4/2016

-Riunione congiunta SINU-SISA "La nutrizione nella regolazione del microbioma umana", Università Campus Biomedico, Roma, 28/10/2016

- Seminar “Palm oil and its importance: food, health and sustainability”, Roma, 29/11/2016
- Seminario “Modelli predittivi in tossicologia” e “Approcci allo studio dei determinanti ambientali e sociali della salute umana”, Istituto Superiore di Sanità, Roma, 1/6/2017
- SINU-Programma di formazione itinerante 2017 “Proteine animali o vegetali? Un equilibrio in divenire, Roma 28/10/2017
- Corso di formazione e aggiornamento “Integratori alimentari di ultima generazione: protocolli applicativi per il riequilibrio del gut microbiota, obesità, infiammazione cronica silente e stress”, Roma 27/1/2018
- Corso di alta formazione “Protocolli dietetici ed integrativi biotipizzati”, Roma 27-28/1/2018
- Corso di Formazione dei Lavoratori, Roma 6 giugno 2019, Servizio di Prevenzione e Protezione del CNR
- IC-ICB Workshop, online, 10 Marzo 2022
- GdL Seminari IRSA: “Extracellular DNA (EDNA): neglected and potential sources fo antibiotic resistance genes (ARGS) in the environment” 22 Aprile 2022, CNR
- Corso di Formazione su Problemi inerenti la salute e la sicurezza nei luoghi di lavoro per i lavoratori degli istituti del CNR (formazione specifica), CNR, online, 3 maggio 2022
- Web Meeting "Neuroscienze Sociali - neurobiologia dell'empatia" 16 maggio 2022, ISS
- Workshop ASI "Roadmap for Space Life Sciences: workshop nazionale", online, 23 maggio 2022
- Corso “Lavoro Agile: Aspetti normativi e tecnici e applicazione in ambito CNR, online, 14 giugno 2022

THIRD MISSION

- School-work alternation path from the title: “Dall’esposizione alla malattia: il sole è anche un nemico” 2017-2019

REFeree of PhD THESIS

- 2019. Valutatore esterno di PhD Program In Genetics, Molecular and Cellular Biology (XXXII Ciclo – A.A. 2016-2019). Università di Pavia, Dipartimento di Biologia e Biotecnologie "Lazzaro Spallanzani"

REFeree of PROJECTS

- PRIN 2012
- Czech Science Foundation 2019
- PRIN 2020

ORGANIZING AND SCIENTIFIC COMMITTEE

-Evento scientifico SIMAG 2021: La risposta cellulare al danno al DNA e l'integrità del genoma: le nuove frontiere della ricerca biomedica e ambientale, 23-25 November 2021, Roma (held on line)

-IC-ISS (DAMSA-MBM) Workshop, 26 January 2022 (held on line)

CONFERENCE CHAIR

-IC-ISS (DAMSA-MBM) Workshop, 26 January 2022 (held on line)

TRATTAMENTO DEI DATI PERSONALI, INFORMATIVA E CONSENSO

Il D.Lgs 30/06/2003, n. 196 "Codice in materia di protezione dei dati personali" regola il trattamento dei dati personali, con particolare riferimento alla riservatezza, all'identità personale e al diritto di protezione dei dati personali; l'interessato deve essere previamente informato del trattamento. La norma in considerazione intende come "trattamento" qualunque operazione o complesso di operazioni concernenti la raccolta, la registrazione, l'organizzazione, la conservazione, la consultazione, l'elaborazione, la modifica, la selezione, l'estrazione, il raffronto, l'utilizzo, l'interconnessione, il blocco, la comunicazione, la diffusione, la cancellazione e la distruzione di dati, anche se non registrati in una banca dati. In relazione a quanto riportato, autorizzo il CNR al trattamento dei dati contenuti nel presente curriculum vitae e nella documentazione della quale fa parte integrante, sollevandolo da ogni responsabilità e autorizzandolo alla pubblicazione sul sito web del CNR, della relazione inerente alle proprie ricerche svolte nell'ambito del Progetto finanziato dal CNR. Inoltre acconsento all'aggiornamento delle informazioni intranet che mi riguardano sia relative le pubblicazioni sia alle ricerche svolte.

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(barrare la casella) Sì, acconsento

