CURRICULUM VITAE
Moira Marizzoni, PhD in Molecular Medicine

Personal data

Date of birth: January 7, 1981
Place of birth: Brescia, Italy
Citizenship: Italian
Mailing address: Via L. Ercoliani 73, 25125 Brescia, Italy
Phone (italian mobile) +39-333-5060891
E-mail: mmarizzoni@gmail.com

Education

2009- 2013	University of Milan, Doctorate School of Molecular Medicine, Milan, Italy
2006-2008	University of Turin, Biotecnologie Molecolari, 110 L/110, Turin, Italy
2000-2004	University of Milan, Biotecnologie Farmaceutiche, 99/110, Milan, Italy
1995-2000	Liceo Scientifico-Tecnologico Castelli, 86/100, Brescia, Italy

Professional records

Mar 2010- Now	Development of imaging markers to track Alzheimer disease progression in human and mouse models. Laboratory of Epidemiology and Neuroimaging, IRCSS Fatebenefratelli, Brescia
Jan 2009- Feb 2010	Identification and characterization of Smac mimetics compounds able to induce cell growth inhibition *in vitro* using a panel of human cancer cell lines. Center for bio-molecular Interdipartimental Studies and Industrial applications (CISI), Milan
Oct 2006- Oct 2008	Training stage to find the role of the membrane protein α-enolase in the metastatisation of the pancreatic adenocarcinoma at the University of Turin, Cerms-Lab of Tumor Immunology
Dec 2004- Oct 2006	Work as research assistant in Ob/Gyn Department (Dr. Santin's Lab), University of Arkansas for Medical Sciences, Little Rock, 72205 Arkansas, U.S.A.
February-May 2003	Training stage on validation and optimization of the Micromethod to detect new antimalarian drug at Department of Public Health-Microbiology-Virology, Milan, Italy

Scientific Competence

- Knowledge and use of analysis tools for MRI and DTI brain imaging data:
  - Freesurfer
  - FSL
  - MedINRIA

- DTIstudio
- MRIcro e MRIcron

- Biochemical techniques:
  - MTT cell proliferation assay
  - Enzyme-linked immunosorbent assay (ELISA)
- Knowledge and application of standard techniques to reduce in single cell suspension primary gynecologic tumor samples and establish primary short and long term tumor cell lines in vitro
- Ovarian e uterin tumor animal models using C.B-17/SCID mice and training on in-vivo Molecular Imaging Techniques using luciferase
- Cells transfection with lipofectamine or lentivirus
- Knowledge and application in molecular biology:
  - DNA extraction from cells and PAP-test
  - RNA extraction from cells, tissue and from paraffin-fixed embedded tissue
  - cDNA synthesis from RNA
  - Ability to perform qRT-PCR assays using the ABI Prism 7500 platform (Applied Biosystems) including analysis of data
  - PCR
  - Gene-Cloning
- Production under good laboratory practice (GLP) of large amount of recombinant proteins in bacteria, (i.e., using expression vectors containing GST)

PUBBLICATIONS

Original contributions to international journals

1. Marizzoni M, Forloni G, Frisoni G.B. A new paradigm for testing AD drugs – neuroimaging biomarkers as surrogate outcomes homologous in animals and humans. Drug Discovery Today: Therapeutic Strategies. 2013.
2. Jovicich J*, Marizzoni M*, Sala-Llonch R, Bosch B, Bartrés-Faz D, Arnold J, Benninghoff J, Wiltfang J, Roccatagliata L, Nobili F, Hensch T, Tränkner A, Schönknecht P, Leroy M, Bordet R, Chanoine V, Ranjeva J-P, Didic M, Gros-Dagnac H, Payoux P, Zoccatelli G, Alessandrini F, Beltramello A, Bargalló N, Blin O, Frisoni G.B, the PharmaCog Consortium. Brain morphometry reproducibility in multi-center 3T MRI studies: A comparison of cross-sectional and longitudinal segmentations. Neuroimage. 2013 May 11; 83: 472-484.
3. Seneci P, Bianchi A, Battaglia C, Belvisi L, Bolognesi M, Caprini A, Cossu F, Franco E, Matteo M, Delia D, Drago C, Khaled A, Lecis D, Manzoni L, Marizzoni M, Mastrangelo E, Milani M, Motto I, Moroni E, Potenza D, Rizzo V, Servida F, Turlizzi E, Varrone M, Vasile F, Scolastico C. Rational design, synthesis and characterization of potent, non-peptidic Smac mimics/XIAP inhibitors as proapoptotic agents for cancer therapy. Bioorg Med Chem. 2009 Aug 15; 17: 5834-56.
4. Santin AD, Bellone S, Marizzoni M, Palmieri M, Siegel ER, McKenney JK, Hennings L, Comper F, Bandiera E, Pecorelli S. Overexpression of claudin-3 and claudin-4 receptors in uterine serous papillary carcinoma: novel targets for a type-specific therapy using Clostridium perfringens enterotoxin (CPE). Cancer. 2007 Apr 1;109:1312-22.
5. Santin AD, Diamandis EP, Bellone S, Marizzoni M, Bandiera E, Palmieri M, Papasakelariou C, Katsaros D, Burnett A, Pecorelli S. Overexpression of Kallikrein 10 (hk10) in Uterine Serous Papillary Carcinomas. American Journal of Obstetrics Gynecology. 2006 May; 194: 1296-302

*Authors contributed equally to this work.

Congress presentation (published only)

Oral presentation.

AAIC 2013 (Boston, July 15-19): Moira Marizzoni, Edoardo Micotti, Alessandra Paladini, Claudia Balducci, Anna Caroli, Sophie Dix, Michael O'Neill, Christian Czech, Laurence Ozmen, Jill C. Richardson, Gianluigi Forloni, Giovanni Frisoni, the PharmaCog Consortium. Structural connectivity in three mouse models of Alzheimer disease: an in vivo diffusion tensor imaging study.

AD/PD 2013 (Florence, March 5-10): Moira Marizzoni. In vivo Diffusion Tensor Imaging in Three Mouse Models of Alzheimer's Disease.

Poster presentation.
AAIC 2013 (Boston, July 15-19)
Jorge Jovicich*, Moira Marizzoni*, Roser Sala-Llonch, Beatriz Bosch, David Bartrés-Faz, Jennifer Arnold, Jens Benninghoff, Jens Wiltfang, Luca Roccatagliata, Flavio Nobili, Tilmann Hensch, Anja Tränkner, Peter Schönknecht, Melanie Leroy, Regis Bordet, Valérie Chanoine, Jean-Philippe Ranjeva, Mira Didic, Hélène Gros-Dagnac, Pierre Payoux, Giada Zoccatelli, Franco Alessandrini, Alberto Beltramello, Núria Bargalló, Oliver Blin, Giovanni B. Frisoni, the PharmaCog Consortium. Test-retest reproducibility of brain morphometry, diffusion and resting-state fMRI: a 3T consortium study.

Samanta Galluzzi, Moira Marizzoni, David Bartres-Faz, Beatriz Bosch, Jose Luis Molinuevo, Regis Bordet, Mira Didic, Jean-Philippe Ranjeva, Francesca de Anna, Gianluigi Forloni, Jorge Jovicich, Flavio Nobili, Luca Roccatagliata, Agnese Picco, Lucilla Parnetti, Lucia Farotti, Nicola Salvadori, Pierre Payoux, Jeremie Pariente, Paolo Maria Rossini, Camillo Marra, Davide Quaranta, Peter Schonknecht, Andrea Soricelli, Magda Tsolaki, Pieter Jelle Visser, Jens Wiltfang, Oliver Blin, Giovanni Frisoni, the PharmaCog Consortium. Cross-sectional clinical, neuropsychological, neuroimaging, neurophysiological, and biochemical characterization of mild cognitive impairment patients in WP5 PharmaCog/E-ADNI study: preliminary data.

AAIC 2012 (Vancouver, July 15-19)

Moira Marizzoni, Edoardo Micotti, Marco Lorenzi, Alessandra Paladini, Anna Caroli, Claudia Balducci, Sophie Dix, Michael O'Neill, Christian Czech, Laurence Ozmen, Jill C. Richardson, Gianluigi Forloni, Giovanni Frisoni. *In vivo* diffusion tensor imaging and tract-based spatial statistics in three mouse models of Alzheimer's disease. Alzheimer's & Dementia: The Journal of the Alzheimer's Association, Vol. 8, Issue 4, Supplement, Pages P154-P155, July 2012. Presented as a poster**.**

Edoardo Micotti, Alessandra Paladini, Moira Marizzoni, Anna Caroli, Claudia Balducci, Sophie Dix, Michael O'Neill, Christian Czech, Laurence Ozmen, Jill C. Richardson, Giovanni Frisoni, Gianluigi Forloni. Cerebral structural changes in different transgenic models of Alzheimer's disease: An MRI study Alzheimer's & Dementia: The Journal of the Alzheimer's Association, Vol. 8, Issue 4, Supplement, Page P152, July 2012. Presented as a poster.

Jorge Jovicich, Genoveffa Borsci, Moira Marizzoni, Roser Sala-Llonch, Núria Bargalló, David Bartréz-Faz, Jens Benninghoff, Jens Wiltfang, Luca Roccatagliata, Flavio M. Nobili, Karl-Titus Hoffmann, Thomas Günther, Peter Schönknecht, Aurélien Monnet, Regis Bordet, Valérie Chanoine, Alexandra Auffret, Jean-Philippe Ranjeva, Oliver Blin, Hélène Gros-Dagnac, Pierre Payoux, Giada Zoccatelli, Franco Alessandrini, Alberto Beltramello, Hans-Goran Hardemark, Giovanni B. Frisoni. Pharmacog: Multi-site MRI calibration to study progression of Alzheimer's disease. Alzheimer's & Dementia: The Journal of the Alzheimer's Association, Vol. 8, Issue 4, Supplement, Page P342, July 2012. Presented as a poster**.**

Referees

Prof. Piefausto Seneci
C.I.S.I. - Center for bio-molecular Interdipartimental Studies and Industrial applications
Via Fantoli, 16/15
20138 Milan, Italy
Phone: +39 02 503 14071
E-mail: pierfausto.seneci@unimi.it

Alessandro D. Santin M.D.
Dept. Obstetrics and Gynecology
Div. Gynecologic Oncology
Yale University School of Medicine
New Haven, CT 06520-8063, USA.
E-mail: alessandro.santin@yale.edu

Brescia 19/07/2013 Signature