

Curriculum Vitae

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Date-place of birth: January 7, 1975 – Ascoli Piceno (AP), Italy

Nationality: Italian

Education: Apr 2005, Ph.D. in congenital and metabolic physiopathology
University of Verona, Faculty of Medicine, Italy

Dec 1999, Bachelor Degree in Biology cum laude
University of Camerino, Faculty of Sciences, Italy

Professional Training and Positions:

2006-2012	Assistant Professor Department of SNNMM, Section of Anatomy and Histology, University of Verona, 37134 Verona, Italy.
2011-2012	Visiting Assistant Professor Department of Internal Medicine Division of Hypothalamic Research The University of Texas Southwestern Dallas, TX, USA
2005-2006	Post-doctoral Fellow Department of Morphological and Biomedical Sciences, Section of Anatomy and Histology, University of Verona, 37134 Verona, Italy.
2002-2005	PhD Student Department of Morphological and Biomedical Sciences, Section of Anatomy and Histology, Faculty of Medicine

University of Verona, 37134 Verona, Italy.

2000-2002 Graduate Student
(P.I.: Dr. Augusto Amici)
Department of Molecular, Cellular and Animal Biology
University of Camerino, Camerino, Italy

Teaching Experience:

2006-2012 University Teacher: Microanatomy and Gross Anatomy,
Institute of Normal Human Morphology, Faculty of
Medicine, University of Verona, Verona, Italy

Original peer-reviewed reports:

1.

Galiè M*, D'Onofrio M, Calderan L, Nicolato E, Amici A, Crescimanno C, Marzola P, Sbarbati A. In vivo mapping of spontaneous mammary tumors in transgenic mice using MRI and ultrasonography.

J Magn Res Imaging 2004; 19(5), 570-9.

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2.

Galiè M*, D'Onofrio M, Montani M, Amici A, Calderan L, Marzola P, Benati D, Merigo F, Marchini C, Sbarbati A. Tumor vessel compression hinders perfusion of ultrasonographic contrast agents. *Neoplasia* 2005; 7(5):528-36.

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3.

Galiè M*, Sorrentino C, Montani M, Micossi L, Di Carlo E, D'Antuono T, Calderan L, Marzola P, Benati D, Merigo F, Orlando F, Smorlesi A, Marchini C, Amici A, Sbarbati A. Breast carcinoma provides highly tumorigenic and invasive reactive stromal cells. *Carcinogenesis* 2005; 26(11):1868-78.

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4.

Sbarbati A, Osculati F, Silvani D, Benati D, **Galiè M**, Camoglio FS, Rigotti G, Maffei C. Obesity and inflammation: evidence for an elementary lesion.

Pediatrics 2006; 117(1):220-3.

5.

Krampera M, Marconi S, Pasini A, **Galiè M**, Rigotti G, Mosna F, Tinelli M, Lovato L, Anghileri E, Andreini A, Pizzolo G, Sbarbati A, Bonetti B. Induction of neural-like differentiation in human mesenchymal stem cells derived from bone marrow, fat, spleen and thymus.

Bone 2006; 40(2):382-90.

6.

Galiè M^{*}, Pignatti M, Scambi I, Sbarbati A, Rigotti G. Comparison of different protocols for the best yields of adipose-derived stromal cells (ADSC) from lipoaspirates.

Plastic and Reconstructive Surgery 2008; 122(6): 233e-234e.

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7.

Rigotti G, Marchi A, **Galiè M**, Baroni G, Benati D, Krampera M, Pasini A, Sbarbati A. Clinical treatment of radiotherapy tissue damages by lipoaspirates transplant: a healing process mediated by adipose-derived adult stem cells (ASCs).

Plastic and Reconstructive Surgery 2007; 119(5):1409-22.

8.

Fabene PF, Merigo F, **Galiè M**, Benati D, Bernardi P, Farace P, Nicolato E, Marzola P, Sbarbati A. "Pilocarpine-induced status epilepticus in rats involves mixed ischemic and excitotoxic mechanisms".

PLoS One 2007, 2(10):e1105..

9.

M. Galiè^{*}, P. Farace, C. Nanni, A. Spinelli, E. Nicolato, F. Boschi, P. Magnani, S. Trespido, V. Ambrosini, S. Fanti, F. Merigo, F. Osculati, P. Marzola, A. Sbarbati. Epithelial and mesenchymal tumor compartments exhibit *in vivo* complementary patterns of vascular perfusion and glucose metabolism.

Neoplasia 2007; 9(11):900-8.

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10.

Boschi F, Marzola P, Sandri M, Nicolato E, **Galiè M**, Fiorini S, Merigo F, Lorusso V, Chaabane L, Sbarbati A. Tumor microvasculature observed using different contrast agents: a comparison between Gd-DTPA-Albumin and B-22956/1 in an experimental model of mammary carcinoma.

MAGMA. 2008; 21(3):169-76.

11.

Merigo F, Benati D, **Galiè M**, Crescimanno C, Osculati F, Sbarbati A. Immunohistochemical Localization of Cystic Fibrosis Transmembrane Regulator and Clara Cell Secretory Protein in Taste Receptor Cells of Rat Circumvallate Papillae.

Chem Senses 2008; 33(3):231-41.

12.

Anghileri E, Marconi S, Pignatelli A, Cifelli P, **Galiè M**, Sbarbati A, Krampera M, Belluzzi O, Bonetti B. Neuronal differentiation potential of human adipose-derived mesenchymal stem cells.

Stem Cell Dev 2008; 17(5):909-16.

13.

D. Peroni, I. Scambi, A. Pasini, V. Lisi, F. Bifari, M. Krampera, G. Rigotti, A. Sbarbati, **M. Galiè**^{*}. Stem molecular signature of adipose-derived stromal cells.

Exp Cell Res 2008; 314(3):603-15.

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14.

Galiè M*, Konstantinidou G, Peroni D, Scambi I, Marchini C, Magnani P, Merigo F, Montani M, Boschi F, Marzola P, Orrù R, Lisi V, Krampera M, Farace P, Sbarbati A, and Amici A. Mesenchymal stem cells share molecular signature with mesenchymal tumor cells and favors the early tumor growth in syngeneic mice.

Oncogene 2008; 27(18):2542-51.

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15.

Farace P, **Galiè M**, Merigo F, Daducci A, Calderan L, Nicolato E, Degrassi A, Pesenti E, Sbarbati A and Marzola M. Inhibition of tyrosine kinase receptors by SU6668 promotes abnormal stromal development at the periphery of carcinomas.

Br J Cancer 2009 May 19;100(10): 1575-80.

16.

Constantin G, Marconi S, Rossi B, Angiari S, Calderan L, Anghileri E, Gini B, Bach SD, Martinello M, Bifari F, **Galiè M**, Turano E, Budui S, Sbarbati A, Krampera M, Bonetti B. Adipose-Derived Mesenchymal Stem Cells Ameliorate Chronic Experimental Autoimmune Encephalomyelitis.

Stem Cells 2009, 27(10):2624-35.

17.

Galiè M, Farace P, Merigo F, Fiorini S, Tambalo S, Nicolato E, Sbarbati A, Marzola P. Washout of small molecular contrast agent in carcinoma-derived experimental tumors.

Microv Res 2009, 78(3):370-8.

18.

Rigotti G, Marchi A, Stringhini P, Baroni G, **Galiè M**, Molino AM, Mercanti A, Micciolo R, Sbarbati A. Determining the oncological risk of autologous lipoaspirate grafting for post-mastectomy breast reconstruction.

Aesthetic Plast Surg 2010;34(4):475-80.

19.

Tornillo G, Bisaro B, Camacho-Leal MD, **Galiè M**, Provero P, Di Stefano P, Turco E, Defilippi P, Cabodi S. p130Cas promotes invasiveness of three-dimensional ErbB2-transformed mammary acinar structures by enhanced activation of mTOR/p70S6K and Rac1.

Eur J Cell Biol. 2011;90(2-3):237-48.

20.

Marchini C, Montani M, Konstantinidou G, Orrù R, Mannucci S, Ramadori G, Gabrielli F, Baruzzi A, Berton G, Merigo F, Fin S, Iezzi M, Bisaro B, Sbarbati A, Zerani M, **Galiè M*** and Amici A*. Mesenchymal/stromal gene expression signature relates to basal-like breast cancers, identifies bone metastasis and predicts resistance to therapies.

PlosONE, 2011;5(11):e14131.

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21.

Bisaro B, Montani M, Konstantinidou G, Marchini C, Pietrella L, Iezzi M, **Galiè M**, Orso F, Camporeale A, Colombo SM, Di Stefano P, Tornillo G, Camacho-Leal MD, Turco E, Taverna D, Cabodi S, Amici A, Defilippi P. p130Cas/Cyclooxygenase-2 axis in the control of mesenchymal plasticity of breast cancer cells. *Breast Cancer Res* 2012;14(5):R137.

22.

Ramadori G, Konstantinidou G, Venkateswaran N, Biscotti T, Morlock L, **Galiè M**, Williams NS, Luchetti M, Santinelli A, Scaglioni PP, Coppari R. Diet-induced unresolved ER stress hinders KRAS-driven lung tumorigenesis. *Cell Metab* 2015;21(1):117-25.

23.

Anderson J, Ramadori G, M. Ioris R, **Galiè M**, Berglund E, Coate KC, Fujikawa T, Pucciarelli S, Moreschini B, Amici A, Andreani C and Coppari R. Enhanced insulin sensitivity in skeletal muscle and liver by physiological overexpression of SIRT6. *Mol Metab* 2015;4(11):846-56.

24.

Galiè M, Ioris RM, Ramadori G, Anderson JG, Charollais A, Konstantinidou G, Brenachot X, Aras E, Goga A, Ceglia N, Sebastián C, Martinvalet D, Mostoslavsky R, Baldi P, Coppari R. SIRT6 Suppresses Cancer Stem-like Capacity in Tumors with PI3K Activation Independently of its Deacetylase Activity. *Cell Rep.* 2017;18(8):1858-1868.

25.

Scassellati C, Costanzo M, Cisterna B, Nodari A, **Galiè M**, Cattaneo A, Covi V, Tabaracci G, Bonvicini C, Malatesta M. Effects of mild ozonisation on gene expression and nuclear domains organization in vitro. *Toxicol In Vitro.* 2017; 44:100-110.

26.

Galiè M, Boschi F, Scambi I, Merigo I, Marzola P, Altabella L, Lavagnolo U, Sbarbati A, Spinelli AE. Theranostic role of ³²P-ATP as radiopharmaceutical for the induction of massive cell death within avascular tumor core. *Theranostics*, 2017; 7(18):4399-4409.

27.

Visonà SM, Benati D, Monti MC, **Galiè M**, Andrello L, Frontini A, Osculati A. Diagnosis of sudden cardiac death due to early myocardial ischemia: An ultrastructural and immunohistochemical study. *European Journal of Histochemistry*, 2018; 62:2866.

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Galiè M, Costanzo M, Nodari A, Boschi F, Calderan L, Mannucci S, Covi V, Tabaracci G, Malatesta M. Mild ozonization activates antioxidant cell response by the Keap1/Nrf2 dependent pathway. *Free Radic Biol Med.* 2018; 124:114-121.

Reviews and Commentaries:

Galiè M*, Rigotti G, Sbarbati A. The plasticity of fat: from “civilization syndrome” to “therapeutic promise”.

Adipocyte 2006; 2(2):59-66.

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Farace P, **Galiè M**, Nanni C, Spinelli A, Fanti S. Contouring Carcinomas by FDG-PET: Is the Role of Tumor Biology Underestimated?: In Regard to MacManus et al. (Int J Radiat Oncol Biol Phys 2008;71:2-4). *Int J Radiat Oncol Biol Phys*. 2008, 72(1):303-4

Galiè M*, Amici A, Sbarbati A. *Cell online comment*: Epithelial-Mesenchymal Transition Generates Cells with Properties of Mesenchymal Stem Cells. In regard to Mani et al. (Cell 2008,133(4):704-15).

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Book's chapters:

1.

Sbarbati A and **Galiè M**.

Fat Injection: From Filling to Regeneration

In: *Fat Injection: From Filling to Regeneration*,
edited by Drs. Sydney R. Coleman and Riccardo F. Mazzola,
Quality Medical Publishing, St. Louis., 2008.

Ad hoc reviewer for:

Cancer Letters

Journal of Cellular and Molecular Medicine

Tissue Engineering

British Journal of Cancer

Digestive Diseases and Sciences

Process Biochemistry

Experimental Cell Research

Stem Cell and Development