

**FORMATO EUROPEO  
PER IL CURRICULUM  
VITAE**



**INFORMAZIONI PERSONALI**

Nome	<b>ANDREA SBARBATI</b>
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E-mail	<b>andrea.sbarbati@univr.it</b>
Nazionalità	italiana
Data e luogo di nascita	11/08/1957, JESI (AN)
Stato civile	Coniugato, due figli

**ESPERIENZA LAVORATIVA**

- dal 01/11/1997 Professore ordinario di Anatomia Umana presso l'Istituto di Anatomia Umana e Istologia dell'Università degli Studi di Verona
- dal 01/11/1994 al 31/10/1997 Professore straordinario di Anatomia Umana presso la Facoltà di Medicina e Chirurgia dell'Università degli Studi di Ancona
- da settembre 1987 a ottobre 1994 Ricercatore presso l'Istituto di Anatomia Umana e Istologia dell'Università degli Studi di Verona (ricercatore confermato dall'11/09/1990)
- da gennaio a settembre 1987 Ricercatore per conto dell'Associazione Claude Bernard (Parigi, Francia), ha condotto attività di ricerca presso l'Institute de Cancerologie et d'Immunogenetique (Villejuif, Francia)

**INCARICHI ISTITUZIONALI**

- dal 16/10/2015 ad oggi Componente del Senato Accademico dell'Università degli Studi di Verona
- dal 01/10/2015 ad oggi Direttore del Dipartimento di Neuroscienze, Biomedicina e Movimento
- dal 12/12/2013 al 01/09/2015 Presidente del CTS del Centro Grandi Attrezzature, Università degli Studi di Verona
- 01/11/2011 al 30/10/2012 Presidente del Corso di laurea in Fisioterapia, Università degli Studi di Verona
- dal 15/03/2007 al 30/09/2015 Coordinatore del Corso di Dottorato in Imaging Multimodale in Biomedicina (ex Fisiopatologia Metabolica Congenita)
- dal 20/02/2007 Responsabile della Sezione di Anatomia e Istologia – Dipartimento di Scienze Neurologiche e del Movimento (ex Dip. Scienze Morfologico-Biomediche) Università degli Studi di Verona
- dal 26/03/2010 al 14/09/2011 Vicepresidente di CIVEN Coordinamento Interuniversitario Veneto per le Nanotecnologie
- Membro del C.d.A. di CIVEN Coordinamento Interuniversitario Veneto per le Nanotecnologie

**ISTRUZIONE E FORMAZIONE**

- novembre 1986 Dottore di ricerca in Discipline Neurologiche e Neurosensoriali conseguito presso l'Università Politecnica delle Marche. Tesi dal titolo: "Il recettore gustativo della rana (Rana Esculenta)"
- 20/07/1982 Laurea 110/110 e lode in Medicina e Chirurgia presso l'Università degli Studi di Ancona. Tesi dal titolo: "L'adenoipofisi del ratto durante l'allattamento: uno studio morfometrico ultrastrutturale", insignita della dignità di stampa.

## CAPACITÀ E COMPETENZE

L'attività scientifica è orientata su temi quali la neurobiologia dei recettori chemosensoriali, le cellule staminali mesenchimali, i tessuti adiposi e le nanotecnologie. Tra le patologie studiate vanno ricordate: neoplasie, dismetabolismi e neuropatologie. Le competenze tecniche riguardano biologia cellulare, microscopia ottica ed elettronica, microanalisi a raggi X, optical imaging e risonanza magnetica nucleare.

La competenza organizzativa è dimostrata dalla creazione e conduzione di laboratori di indagine morfologica, spettroscopica e di imaging preclinico presso l'Università degli Studi di Verona, Sezione di Anatomia e Istologia del Dipartimento di Neuroscienze, Biomedicina e Movimento, a partire dal 1984 ad oggi.

La capacità organizzativa è comprovata dalle attività di coordinamento di numerosi progetti.

Tra quelli più recenti, alcuni riguardano le nanotecnologie: *Magnetosomes as nanotechnology platform for thermotherapy of tumors* finanziato da Associazione Italiana per la Ricerca sul Cancro o *Studio in vitro ed in vivo dell'impatto di nanoparticelle su caratteristiche biologiche di cellule e tessuti*, finanziato da Veneto Nanotech; *Sintesi e caratterizzazione di materiali nanostrutturati luminescenti upconverter per applicazioni in Medicina e Scienze della Vita*, Fondazione Cariverona; *Detection of titanium dioxidenanoparticles in food to evaluate toxicity towards humans*, Istituto Zooprofilattico Sperimentale delle Venezie.

Tra i progetti dedicati all'imaging si possono ricordare: *Beating Heart*, Marie Curie Action; *Indagini di risonanza magnetica nucleare per la caratterizzazione di differenze età-dipendenti in un modello animale di ischemia dell'arto inferiore e sviluppo di nuovi approcci di terapia genica* PRIN. *Tomografia di Risonanza Magnetica con Mezzi di Contrasto per la caratterizzazione del danno cerebrale in un modello di ischemia cerebrale permanente: studio della correlazione con fenomeni apoptotici*, PRIN; - *Progetto per la creazione di una unità integrata di imaging molecolare multimodale*, Fondazione Cariverona; *Neurofarmacologia, Neuroimmunologia, Neuroepidemiologia, Neuroanatomia, Neuroimaging funzionale, Neurofisiologia, Neuroriabilitazione, Neuroplasticità*, IRCCS Centro Neurolesi Bonino-Pulejo; *Nuovi strumenti per l'identificazione e la valutazione del benessere degli equidi*, Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna; *Utilizzo di tecniche di Risonanza Magnetica per la valutazione dei gliomi ad alto grado e per la pianificazione di trattamenti radioterapici*, Agenzia Provinciale per la Protonterapia Provincia Autonoma di Trento.

Di rilievo anche l'azione di coordinamento, in progetti su dispositivi biomedicali quali *Inside shoes, Global shoes e Innovative shoes*, finanziati dalla Regione Veneto o sportivi come il progetto *The ice figure skate: clinical implications related to its use and biomedical evaluations of new boot designs for the reduction of impact landing*, Joint project. Progetti sul rapporto tra alimentazione e corpo sono stati finanziati da enti pubblici e dall'Università di Verona come, ad esempio: *Creazione di Unità di Natural Food Discovery*, Fondazione Monte dei Paschi;

*Tracciabilità nel settore agroalimentare della Provincia di Arezzo: fase dello studio dell'interazione con sistemi viventi*, Fondazione Locavori; *Innufish -Sviluppo di metodi innovativi per valutare la qualità nutrizionale del pesce*, Joint Project. Rilevante anche l'azione nel settore della medicina rigenerativa e in ambito farmaceutico, con una progettualità legata principalmente al mondo produttivo.

Nel 2018, il Dipartimento di Neuroscienze, Biomedicina e Movimento ha ottenuto il riconoscimento di Dipartimento di Eccellenza collocandosi al secondo posto nazionale nell'area 11.

## ATTIVITÀ DIDATTICA

### **C.d.L. in Medicina e Chirurgia**

- Anatomia I (2001-2019)
- Anatomia II (2001-2019)
- Storia della medicina (2010-2016)
- Alimentazione e corpo (2011-2013)
- Scienze propedeutiche alla professione medica (2017/2018)

### **C.d.L. in Odontoiatria e Protesi dentaria**

Anatomia umana (2002-2007)

### **C.d.L. in Tecniche di Radiologia medica, per Immagini e Radioterapia (Ala di Trento)**

Anatomia umana (2004/2011)

### **C.d.L. in Igiene dentale (Ala di Trento)**

Anatomia e Fisiologia (2004-2008)

### **C.d.L. in Tecnica della Riabilitazione psichiatrica (Ala di Trento)**

Anatomia e istologia (2004/2005)

### **C.d.L. in Fisioterapia (Rovereto)**

Anatomia umana e istologia (2004-2018)

### **C.d.L. in Fisioterapia (Vicenza)**

Anatomia umana e istologia (2011-2015)

### **C.d.L. in Tecniche di Laboratorio biomedico (Rovereto)**

Istologia e anatomia (2004/2005)

**C.d.L. in Infermieristica (Legnago-abilitante professione sanitaria di Infermiere) D.M. 270/04** Fondamenti morfologici e funzionali della vita (2010/2011)

**C.d.L. in Infermieristica (Vicenza-abilitante professione sanitaria di Infermiere) D.M. 270/04**

Fondamenti morfologici e funzionali della vita (2010-2015)

**Scuola di Specializzazione in Malattie dell'apparato cardiovascolare**

Anatomia umana (2008/2009)

**Scuola di Specializzazione in Urologia (D.I. 68/2015)**

Anatomia dell'apparato genito-urinario maschile e femminile (2008/2018)

**Scuola di Specializzazione in Ginecologia ed Ostetricia (D.I. 68/2015)**

Anatomia umana (2009/2018)

**Scuola di Specializzazione in Ortopedia e Traumatologia (D.I. 68/2015)**

Anatomia umana (2010-2018)

**Scuola di Specializzazione in Chirurgia Maxillo-Facciale**

Anatomia umana I (2012-2014)

**Scuola di Specializzazione in Medicina Fisica e Riabilitativa (D.I. 68/2015)**

Anatomia umana (2014-2018)

**Corso di Perfezionamento in Agopuntura Tradizionale Cinese - Corso Base**

Fisiologia di organi e visceri. i canali principali. la circolazione energetica. (2017/2018)

FISIOLOGIA DEGLI ZANG-FU (ORGANI E VISCERI)

**Corso di Perfezionamento in Agopuntura Tradizionale Cinese - Corso Base**

Storia e fondamenti della medicina tradizionale cinese. gli organi interni. medicina occidentale ed orientale a confronto (2017/2018)

DIVERSITA' DI PENSIERO NELLA INTERPRETAZIONE ED APPROCCIO ALLA M. OCCIDENTALE ED ORIENTALE

**MADRELINGUA** Italiano

**ALTRE LINGUE**

Lingua	Livello
• Inglese	eccellente
• Francese	eccellente

**H INDEX (da SCOPUS)** 43

**CITAZIONI (da SCOPUS)** 7.434

**LAVORI (da PUBMED)** 280

Autorizzo il trattamento dei miei dati personali presenti nel cv ai sensi dell'art. 13 del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e dell'art. 13 del GDPR (Regolamento UE 2016/679).

## PROF. ANDREA SBARBATI - PUBBLICAZIONI

- 1: Boschi F, Rizzatti V, Zoico E, Montanari T, Zamboni M, Sbarbati A, Colitti M. Relationship between lipid droplets size and integrated optical density. *Eur J Histochem*. 2019 Mar 25;63(1). doi: 10.4081/ejh.2019.3017. PubMed PMID: 0907383.
- 2: Remo A, Cecchini MP, Benati D, Bernardi P, Manfrin E, Giordano G, Bonomi F, Parcesepe P, Fassan M, Colombari R, Sbarbati A, Pancione M. CROCC-mutated rhabdoid colorectal carcinoma showing in intercellular spaces lamellipodia and cellular projections revealed by electron microscopy. *Virchows Arch*. 2019 Mar 10. doi: 10.1007/s00428-019-02554-4. [Epub ahead of print] PubMed PMID: 30852641.
- 3: Conti G, Bertossi D, Dai Prè E, Cavallini C, Scupoli MT, Ricciardi G, Parnigotto P, Saban Y, Sbarbati A, Nocini P. Regenerative potential of the Bichat fat pad determined by the quantification of multilineage differentiating stress enduring cells. *Eur J Histochem*. 2018 Oct 23;62(4). doi: 10.4081/ejh.2018.2900. PubMed PMID: 30362673; PubMed Central PMCID: PMC6250101.
- 4: Costanzo M, Boschi F, Carton F, Conti G, Covi V, Tabaracci G, Sbarbati A, Malatesta M. Low ozone concentrations promote adipogenesis in human adipose-derived adult stem cells. *Eur J Histochem*. 2018 Sep 3;62(3). doi: 10.4081/ejh.2018.2969. PubMed PMID: 30176704; PubMed Central PMCID: PMC6151336.
- 5: De Francesco F, Mannucci S, Conti G, Dai Prè E, Sbarbati A, Riccio M. A Non-Enzymatic Method to Obtain a Fat Tissue Derivative Highly Enriched in Adipose Stem Cells (ASCs) from Human Lipoaspirates: Preliminary Results. *Int J Mol Sci*. 2018 Jul 15;19(7). pii: E2061. doi: 10.3390/ijms19072061. PubMed PMID: 30011969; PubMed Central PMCID: PMC6073668.
- 6: Amore R, Amuso D, Leonardi V, Sbarbati A, Conti G, Albin M, Leva F, Terranova F, Guida A, Gkritzalas K, Gavashely L, Velichenko R. Treatment of Dimpling from Cellulite. *Plast Reconstr Surg Glob Open*. 2018 May 18;6(5):e1771. doi: 10.1097/GOX.0000000000001771. eCollection 2018 May. PubMed PMID: 29922557; PubMed Central PMCID: PMC5999441.
- 7: Mannucci S, Tambalo S, Conti G, Ghin L, Milanese A, Carboncino A, Nicolato E, Marinozzi MR, Benati D, Bassi R, Marzola P, Sbarbati A. Magnetosomes Extracted from *Magnetospirillum gryphiswaldense* as Theranostic Agents in an Experimental Model of Glioblastoma. *Contrast Media Mol Imaging*. 2018 Jul 11;2018:2198703. doi: 10.1155/2018/2198703. eCollection 2018. PubMed PMID: 30116160; PubMed Central PMCID: PMC6079595.
- 8: Bertossi D, Galzignato PF, Conti G, Luciano U, Gualdi A, Corega C, Faccioni P, Donadello D, Lanaro L, Grendene E, Sbarbati A, De Santis D, Nocini R, Nocini PF. Histological evaluation of periodontal ligament in human after orthodontic treatment with piezosurgery and monolateral tooth dislocation and ligament distraction technique: a first morphologic and histologic evaluation. *J Biol Regul Homeost Agents*. 2018 Mar-Apr;32(2 Suppl. 2):9-13. PubMed PMID: 29720325.
- 9: Lorenzini M, Simonato B, Favati F, Bernardi P, Sbarbati A, Zapparoli G. Filamentous fungi associated with natural infection of noble rot on withered grapes. *Int J Food Microbiol*. 2018 May 2;272:83-86. doi: 10.1016/j.ijfoodmicro.2018.03.004. Epub 2018 Mar 13. PubMed PMID: 29550687.
- 10: Merigo F, Brandolese A, Facchin S, Missaggia S, Bernardi P, Boschi F, D'Inca R, Savarino EV, Sbarbati A, Sturniolo GC. Glucose transporter expression in the human colon. *World J Gastroenterol*. 2018 Feb 21;24(7):775-793. doi: 10.3748/wjg.v24.i7.775. PubMed PMID: 29467549; PubMed Central PMCID: PMC5807937.
- 11: Cecchini MP, Cardobi N, Sbarbati A, Monaco S, Tinazzi M, Tamburin S. Post-traumatic taste disorders: a case series. *J Neurol*. 2018 Apr;265(4):836-844. doi: 10.1007/s00415-018-8776-0. Epub 2018 Feb 5. PubMed PMID: 29404737.
- 12: Galiè M, Boschi F, Scambi I, Merigo F, Marzola P, Altabella L, Lavagnolo U, Sbarbati A, Spinelli AE. Theranostic Role of (32)P-ATP as Radiopharmaceutical for the Induction of Massive Cell Death within Avascular Tumor Core. *Theranostics*. 2017 Sep 30;7(18):4399-4409. doi: 10.7150/thno.21403. eCollection 2017. PubMed PMID: 29158835; PubMed Central PMCID: PMC5695139.
- 13: Sandri S, De Sanctis F, Lamolinara A, Boschi F, Poffe O, Trovato R, Fiore A, Sartori S, Sbarbati A, Bondanza A, Cesaro S, Krampera M, Scupoli MT, Nishimura MI, Iezzi M, Sartoris S, Bronte V, Ugel S. Effective control of acute myeloid leukaemia and acute lymphoblastic leukaemia progression by telomerase specific adoptive T-cell therapy. *Oncotarget*. 2017 May 23;8(50):86987-87001. doi: 10.18632/oncotarget.18115. eCollection 2017 Oct 20. PubMed PMID: 29152058; PubMed Central PMCID: PMC5675610.
- 14: Marinozzi MR, Pandolfi L, Malatesta M, Colombo M, Collico V, Lievens PM, Tambalo S, Lasconi C, Vurro F,

- Boschi F, Mannucci S, Sbarbati A, Prosperi D, Calderan L. Innovative approach to safely induce controlled lipolysis by superparamagnetic iron oxide nanoparticles-mediated hyperthermic treatment. *Int J Biochem Cell Biol.* 2017 Dec;93:62-73. doi: 10.1016/j.biocel.2017.10.013. Epub 2017 Oct 27. PubMed PMID: 29111382.
- 15: Santangelo A, Imbrucè P, Gardenghi B, Belli L, Agushi R, Tamanini A, Munari S, Bossi AM, Scambi I, Benati D, Mariotti R, Di Gennaro G, Sbarbati A, Eccher A, Ricciardi GK, Ciceri EM, Sala F, Pinna G, Lippi G, Cabrini G, Dechecchi MC. A microRNA signature from serum exosomes of patients with glioma as complementary diagnostic biomarker. *J Neurooncol.* 2018 Jan;136(1):51-62. doi: 10.1007/s11060-017-2639-x. Epub 2017 Oct 26. PubMed PMID: 29076001.
- 16: Charles-de-Sá L, Gontijo-de-Amorim NF, Takiya CM, Borojevic R, Benati D, Bernardi P, Sbarbati A, Rigotti G. Effect of Use of Platelet-Rich Plasma (PRP) in Skin with Intrinsic Aging Process. *Aesthet Surg J.* 2018 Feb 15;38(3):321-328. doi: 10.1093/asj/sjx137. PubMed PMID: 29040421.
- 17: Dall'Oca C, Maluta T, Micheloni GM, Cengarle M, Morbioli G, Bernardi P, Sbarbati A, Degl'Innocenti D, Lavini F, Magnan B. The biocompatibility of bone cements: progress in methodological approach. *Eur J Histochem.* 2017 May 4;61(2):2673. doi: 10.4081/ejh.2017.2673. PubMed PMID: 28735526; PubMed Central PMCID: PMC5432939.
- 18: Bergamini G, Stellari F, Sandri A, M Lleo M, Donofrio G, Ruscitti F, Boschi F, Sbarbati A, Villetti G, Melotti P, Sorio C. An IL-8 Transiently Transgenized Mouse Model for the In Vivo Long-term Monitoring of Inflammatory Responses. *J Vis Exp.* 2017 Jul 7;(125). doi: 10.3791/55499. PubMed PMID: 28715404.
- 19: Busato A, Bonafede R, Bontempi P, Scambi I, Schiaffino L, Benati D, Malatesta M, Sbarbati A, Marzola P, Mariotti R. Labeling and Magnetic Resonance Imaging of Exosomes Isolated from Adipose Stem Cells. *Curr Protoc Cell Biol.* 2017 Jun 19;75:3.44.1-3.44.15. doi: 10.1002/cpcb.23. PubMed PMID: 28627754.
- 20: Bontempi P, Busato A, Bonafede R, Schiaffino L, Scambi I, Sbarbati A, Mariotti R, Marzola P. MRI reveals therapeutical efficacy of stem cells: An experimental study on the SOD1(G93A) animal model. *Magn Reson Med.* 2018 Jan;79(1):459-469. doi: 10.1002/mrm.26685. Epub 2017 Mar 31. PubMed PMID: 28370153.
- 21: Bertossi D, Sbarbati A, Procacci P, Palma P, Nocini P. The Use of Double-Layer Collagen Membrane for the Improvement of Nasal Dorsum Skin Thickness and Texture in Primary Nose Surgery. *J Craniofac Surg.* 2017 May;28(3):731-733. doi: 10.1097/SCS.0000000000003374. PubMed PMID: 28085763.
- 22: Busato A, Fumene Feruglio P, Parnigotto PP, Marzola P, Sbarbati A. In vivo imaging techniques: a new era for histochemical analysis. *Eur J Histochem.* 2016 Nov 28;60(4):2725. doi: 10.4081/ejh.2016.2725. Review. PubMed PMID: 28076937; PubMed Central PMCID: PMC5159782.
- 23: Boschi F, Rizzatti V, Zamboni M, Sbarbati A. Simulating the dynamics of lipid droplets in adipocyte differentiation. *Comput Methods Programs Biomed.* 2017 Jan;138:65-71. doi: 10.1016/j.cmpb.2016.10.013. Epub 2016 Oct 26. PubMed PMID: 27886716.
- 24: Marzola P, Boschi F, Moneta F, Sbarbati A, Zancanaro C. Preclinical In vivo Imaging for Fat Tissue Identification, Quantification, and Functional Characterization. *Front Pharmacol.* 2016 Sep 26;7:336. eCollection 2016. Review. PubMed PMID: 27725802; PubMed Central PMCID: PMC5035738.
- 25: Prè ED, Conti G, Sbarbati A. Hyaluronic Acid (HA) Scaffolds and Multipotent Stromal Cells (MSCs) in Regenerative Medicine. *Stem Cell Rev.* 2016 Dec;12(6):664-681. Review. PubMed PMID: 27665291.
- 26: Busato A, Bonafede R, Bontempi P, Scambi I, Schiaffino L, Benati D, Malatesta M, Sbarbati A, Marzola P, Mariotti R. Magnetic resonance imaging of ultrasmall superparamagnetic iron oxide-labeled exosomes from stem cells: a new method to obtain labeled exosomes. *Int J Nanomedicine.* 2016 Jun 1;11:2481-90. doi: 10.2147/IJN.S104152. eCollection 2016. PubMed PMID: 27330291; PubMed Central PMCID: PMC4898039.
- 27: Piro G, Carbone C, Cataldo I, Di Nicolantonio F, Giacomuzzi S, Aprile G, Simionato F, Boschi F, Zanotto M, Mina MM, Santoro R, Merz V, Sbarbati A, de Manzoni G, Scarpa A, Tortora G, Melisi D. An FGFR3 Autocrine Loop Sustains Acquired Resistance to Trastuzumab in Gastric Cancer Patients. *Clin Cancer Res.* 2016 Dec 15;22(24):6164-6175. Epub 2016 Jun 7. PubMed PMID: 27267856.
- 28: Rigotti G, Sbarbati A. Commentary on: The Effect of Lipoaspirates on Human Keratinocytes. *Aesthet Surg J.* 2016 Sep;36(8):952-3. doi: 10.1093/asj/sjw076. Epub 2016 May 31. PubMed PMID: 27246227.
- 29: Sandri S, Bobisse S, Moxley K, Lamolinara A, De Sanctis F, Boschi F, Sbarbati A, Fracasso G, Ferrarini G, Hendriks RW, Cavallini C, Scupoli MT, Sartoris S, Iezzi M, Nishimura MI, Bronte V, Ugel S. Feasibility of

Telomerase-Specific Adoptive T-cell Therapy for B-cell Chronic Lymphocytic Leukemia and Solid Malignancies. *Cancer Res.* 2016 May 1;76(9):2540-51. doi: 10.1158/0008-5472.CAN-15-2318. PubMed PMID: 27197263.

30: Merigo F, Boschi F, Lasconi C, Benati D, Sbarbati A. Molecules implicated in glucose homeostasis are differentially expressed in the trachea of lean and obese Zucker rats. *Eur J Histochem.* 2016 Feb 1;60(1):2557. doi: 10.4081/ejh.2016.2557. PubMed PMID: 26972710; PubMed Central PMCID: PMC4800246.

31: Rigotti G, Charles-de-Sá L, Gontijo-de-Amorim NF, Takiya CM, Amable PR, Borojevic R, Benati D, Bernardi P, Sbarbati A. Expanded Stem Cells, Stromal-Vascular Fraction, and Platelet-Rich Plasma Enriched Fat: Comparing Results of Different Facial Rejuvenation Approaches in a Clinical Trial. *Aesthet Surg J.* 2016 Mar;36(3):261-70. doi: 10.1093/asj/sjv231. PubMed PMID: 26879294; PubMed Central PMCID: PMC5127465.

32: Campanelli V, Piscitelli F, Verardi L, Maillard P, Sbarbati A. Lower Extremity Overuse Conditions Affecting Figure Skaters During Daily Training. *Orthop J Sports Med.* 2015 Jul 28;3(7):2325967115596517. doi: 10.1177/2325967115596517. eCollection 2015 Jul. PubMed PMID: 26674524; PubMed Central PMCID: PMC4622334.

33: Orlando T, Mannucci S, Fantechi E, Conti G, Tambalo S, Busato A, Innocenti C, Ghin L, Bassi R, Arosio P, Orsini F, Sangregorio C, Corti M, Casula MF, Marzola P, Lascialfari A, Sbarbati A. Characterization of magnetic nanoparticles from *Magnetospirillum Gryphiswaldense* as potential theranostics tools. *Contrast Media Mol Imaging.* 2016 Mar-Apr;11(2):139-45. doi: 10.1002/cmml.1673. Epub 2015 Nov 24. PubMed PMID: 26598395.

34: Carbone C, Tamburrino A, Piro G, Boschi F, Cataldo I, Zanotto M, Mina MM, Zanini S, Sbarbati A, Scarpa A, Tortora G, Melisi D. Combined inhibition of IL1, CXCR1/2, and TGF $\beta$  signaling pathways modulates in-vivo resistance to anti-VEGF treatment. *Anticancer Drugs.* 2016 Jan;27(1):29-40. doi: 10.1097/CAD.0000000000000301. PubMed PMID: 26473526.

35: Conti G, Jurga M, Benati D, Bernardi P, Mosconi E, Rigotti G, Buvé M, Van Wemmel K, Sbarbati A. Cryopreserved Subcutaneous Adipose Tissue for Fat Graft. *Aesthetic Plast Surg.* 2015 Oct;39(5):800-17. doi: 10.1007/s00266-015-0538-0. Epub 2015 Jul 23. PubMed PMID: 26202141.

36: Tambalo S, Peruzzotti-Jametti L, Rigolio R, Fiorini S, Bontempi P, Mallucci G, Balzarotti B, Marmiroli P, Sbarbati A, Cavaletti G, Pluchino S, Marzola P. Functional Magnetic Resonance Imaging of Rats with Experimental Autoimmune Encephalomyelitis Reveals Brain Cortex Remodeling. *J Neurosci.* 2015 Jul 8;35(27):10088-100. doi: 10.1523/JNEUROSCI.0540-15.2015. PubMed PMID: 26157006; PubMed Central PMCID: PMC4495237.

37: Boschi F, Rizzatti V, Zamboni M, Sbarbati A. Models of lipid droplets growth and fission in adipocyte cells. *Exp Cell Res.* 2015 Aug 15;336(2):253-62. doi: 10.1016/j.yexcr.2015.06.001. Epub 2015 Jun 26. PubMed PMID: 26121906.

38: Charles-de-Sá L, Gontijo-de-Amorim NF, Maeda Takiya C, Borojevic R, Benati D, Bernardi P, Sbarbati A, Rigotti G. Antiaging treatment of the facial skin by fat graft and adipose-derived stem cells. *Plast Reconstr Surg.* 2015 Apr;135(4):999-1009. doi: 10.1097/PRS.0000000000001123. PubMed PMID: 25811565.

39: Conti G, Benati D, Bernardi P, Jurga M, Rigotti G, Sbarbati A. The post-adipocytic phase of the adipose cell cycle. *Tissue Cell.* 2014 Dec;46(6):520-6. PubMed PMID: 25444766.

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