

Curriculum vitae

Name: Benati Donatella

Date and place of birth: 1/03/1956, Isola della Scala (VR)

Nationality: Italian

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Title of qualification awarded: Degree in Biology 20/10/81; University of Milano.
Registered member to Biology Association (n°019894)

Work experience:

Dates: 1984

Name of employer: research grant to Wander Italy S.p.A of obesity at Institute of Clinical Medicine University of Verona.

Dates: 1985, 1986
1987, 1988
1989

research grant to University of Verona end ULSS 25 of human pancreas and islet transplantation.

Dates: 1990

From 12/02/1990 assistant technician in University of Verona, Institute of Anatomy and Histology

1992

From 1/01/1992 functionary technician in University of Verona

2007, 2014

To 1/09/2007 category EP economic position EP1

Scientific publications:

1) Mannucci S, Ghini L, Conti G, Tambalo S, Lascialfari A, Orlando T, **Benati D**, Bernardi P, Betterle N, Bassi R, Marzola P, Sbarbati A. (2014). Magnetic nanoparticles from Magnetospirillum gryphiswaldense increase the efficacy of thermotherapy in a model of colon carcinoma. PloS ONE Oct 7;9 (10):e 108959, doi: 10.1371

- 2) Passuello T, Pedroni M, Piccinelli F, Polizzi S, Marzola P, Tambalo S, Conti G, **Benati D**, Vetrone F, Bettinelli M, Speghini A. (2012) PEG-capped, lanthanide doped GdF3 nanoparticles: luminescent and T2 contrast agents for optical and MRI multimodal imaging. *Nanoscale*. Dec 21 ;4 (24):7682-9. doi:10.1039/c2n31796f.
- 3) Merigo F, **Benati D**, Cristofolletti M, Amaru F, Osculati F, Sbarbati A. (2012) Glucose transporter/T1R3-expressing cells in rat tracheal epithelium. *J. Anat.* Aug; 221(2):138-50. doi:10.1111/j.1469-7580.2012.01522.
- 4) Merigo F., **Benati D.**, Cristofolletti M., Osculati F., Sbarbati A. (2011). Glucose transporters are expressed in taste receptor cells.. *JOURNAL OF ANATOMY*, vol. 219, p. 243-252, ISSN: 0021-8782, doi: 10.1111/j.1469-7580.2011.01385.x
- 5) Panettiere P., Accorsi D., Marchetti L., Minicozzi A.M., Orsini G., Bernardi P., **Benati D.**, Conti G., Sbarbati A. (2011). The trochanteric fat pad.. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 55, p. e16- , ISSN: 1121-760X, doi: 10.4081/ejh.2011.e16
- 6) Sbarbati A., Accorsi D., **Benati D.**, Marchetti L., Orsini G., Rigotti G., Panettiere P. (2010). Subcutaneous adipose tissue classification.. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 54, p. e48- , ISSN: 1121-760X
- 7) Sbarbati A., Bramanti P., **Benati D.**, Merigo F. (2010). The diffuse chemosensory system: exploring the iceberg toward the definition of functional roles.. *PROGRESS IN NEUROBIOLOGY*, vol. 91, p. 77-89, ISSN: 0301-0082, doi: 10.1016/j.pneurobio.2010.01.010
- 8) Sbarbati A., Tizzano M., Merigo F., **Benati D.**, Nicolato E., Boschi F., Cecchini M.P., Scambi I., Osculati F. (2009). Acyl homoserine lactones induce early response in the airway.. *THE ANATOMICAL RECORD*, vol. 292, p. 439-448, ISSN: 1932-8486
- 9) Merigo F., **Benati D.**, Cecchini M.P., Cristofolletti M., Osculati F., Sbarbati A. (2009). Amylase expression in taste receptor cells of rat circumvallate papillae. *CELL AND TISSUE RESEARCH*, vol. 336, p. 411-421, ISSN: 0302-766X, doi: 10.1007/s00441-009-0789-7
- 10) Marzola P., Longoni B., Szilagy E., Merigo F., Nicolato E., Fiorini S., Paoli G.T., **Benati D.**, Mosca F., Sbarbati A. (2009). In vivo visualization of transplanted pancreatic islets by MRI: comparison between in vivo, histological and electron microscopy findings.. *CONTRAST MEDIA & MOLECULAR IMAGING*, vol. 4, p. 135-142, ISSN: 1555-4309, doi: 10.1002
- 11) Fabene P.F., Navarro Mora G., Martinello M., Rossi B., Merigo F., Ottoboni L., Bach S., Angiari S., **Benati D.**, Chakir A., Zanetti L., Schio F., Osculati A., Marzola P., Nicolato E., Homeister J.W., Xia L., Lowe J.B., McEver R.P., Osculati F., Sbarbati A., Butcher E.C., Constantin G. (2008). A role for leukocyte-endothelial adhesion mechanisms in epilepsy.. *NATURE MEDICINE*, vol. 14, p. 1377-1383, ISSN: 1078-8956, doi: 10.1038/nm.1878
- 12) F. Boschi, E. Nicolato, D. Benati, P. Marzola, A. Sbarbati (2008). Drug targeting of airway surface liquid: A pharmacological MRI approach. *BIOMÉDECINE & PHARMACOTHÉRAPIE*, vol. 62, p. 410-419, ISSN: 0753-3322

- 13) Rigotti G, Marchi A, Galiè' M, Baroni G, **Benati D**, Krampera M, Pasini A, Sbarbati A (2007). Clinical treatment of radiotherapy tissue damage by lipoaspirate transplat: a healing process mediated by adipose-derived adult stem cells.. PLASTIC AND RECONSTRUCTIVE SURGERY, vol. 119, p. 1409-1422, ISSN: 0032-1052
- 14) P.F. Fabene, F. Merigo, M. Galiè, D. **Benati**, D. Bernardi, P. Farace, E. Nicolato, P. Marzola, A. Sbarbati (2007). Pilocarpine-induced status epilepticus in rats involves mixed ischemic and excitotoxic mechanisms. PLOS ONE, ISSN: 1932-6203
- 15) Sbarbati A, Merigo F, **Benati D**, Bernardi P, Tizzano M, Fabene P, Crescimanno C, Osculati F. (2006). Axon-like processes in type III cells of taste organs.. ANATOMICAL RECORD. PART A, DISCOVERIES IN MOLECULAR, CELLULAR, AND EVOLUTIONARY BIOLOGY., vol. 288, p. 276-279, ISSN: 1552-4884
- 16) Sbarbati A., Osculati F., Silvagni D., **Benati D.**, Galie' M., Camoglio F.S., Rigotti G., Maffeis C. (2006). Obesity and inflammation: evidence for an elementary lesion.. PEDIATRICS, vol. 117, p. 220-223, ISSN: 0031-4005
- 17) Galie' 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. (2005). Mammary carcinoma provides highly tumourigenic and invasive reactive stromal cells.. CARCINOGENESIS, vol. 26, p. 1868-1878, ISSN: 0143-3334, doi: doi:10.1093/carcin/bgi158
- 18) Galiè M, D'Onofrio M, Montani M, Amici A, Calderan L, Marzola P, **Benati D**, Merigo F, Marchini C, Sbarbati A (2005). Tumor vessel compression hinders perfusion of ultrasonographic contrast agents.. NEOPLASIA, vol. 7, p. 528-536, ISSN: 1522-8002, doi: 10.1593/neo.04730
- 19) Mucugnat C., **Benati D.**, Righetti C., C. Zancanaro (2004). High-resolution magnetic resonance spectroscopy of the mouse vomeronasal organ. CHEMICAL SENSES, vol. 29, p. 693-696, ISSN: 0379-864X
- 20) Merigo F., **Benati D.**, Tizzano M., Osculati F., Sbarbati A. (2004). alpha-Gustducin immunoreactivity in the airways.. CELL AND TISSUE RESEARCH, vol. 319, p. 211-219, ISSN: 0302-766X, doi: 10.1007/s00441-004-1007-2
- 21) MARZOLA P, FARACE P, CALDERAN L, CRESCIMANNO C, LUNATI E, NICOLATO E, **Benati D**, DEGRASSI A, TERRON A, KLAPWIJK J, A. SBARBATI, OSCULATI F (2003). In vivo mapping of fractional plasma volume (fpv) and endothelial transfer coefficient (Kps) in solid tumors using a macromolecular contrast agent: correlation with histology and ultrastructure.. INTERNATIONAL JOURNAL OF CANCER, vol. 104, p. 462-468, ISSN: 0020-7136
- 22) Sbarbati A., Calderan L., Nicolato E., Marzola P., Lunati E., **Benati D.**, Bernardi P., Osculati F. (2002). Magnetic resonance imaging of the rat Harderian gland. JOURNAL OF ANATOMY, vol. 201, p. 231-238, ISSN: 0021-87
- 23) Sbarbati A, Faccioli N, Ricci F, Merigo F, **Benati D**, Castaldini G, Cordiano C, Osculati F. (2002). Ultrastructural phenotype of "intestinal-type" cells in columnar-lined esophagus. ULTRASTRUCTURAL PATHOLOGY, vol. 26, p. 107-111, ISSN: 0191-3123

24) M. Cigolini, E. Bonora, M. Querena, P. Moghetti, V. Cacciatori, C. Zancanaro, **D. Benati**, M. Muggeo (1988). Differences in glucose metabolic enzyme activities in human adipose tissue from abdominal and gluteal regions. METABOLISM, CLINICAL AND EXPERIMENTAL, vol. 37, p. 818-820, ISSN: 0026-0495