Paolo Bonaldo

Full Professor of Cell Biology at the Department of Biomedical Sciences of The University of Padova, Italy.

Author of 86 full-length publications in peer-reviewed journals, including several high impact journals such as *Nature* Genetics and *Nature* Medicine, with a total Impact Factor above 550 and an h-index of 28. Head of the "Mammalian Functional Genomics" lab; his team currently includes 1 senior investigator, 2 staff scientists, 2 postdocs, 4 PhD students and 3 postgraduate fellows. He has been invited as a speaker in 45 international meetings and has given 50 invited lectures in international research institutes; he has been chairman and/or organizer of 12 international meetings. Since 2006, coordinator of the PhD Programme on "Genetics and Molecular Biology of Development" at the University of Padova. Co-inventor of four international patents.

Education, training and academic career

1986	Graduated with honors (110/110 cum laude) in Biology, University of Padova.
1987	Fellow, Dept. of Experimental Oncology, National Cancer Institute CRO-IRCCS, Aviano, Italy.
1988-1990	Staff Scientist, Dept. of Experimental Oncology, National Cancer Institute CRO-IRCCS, Aviano, Italy.
1990-1993	Research Associate, Institute of Histology and Embriology, University of Padova, Italy.
1993-1995	Visiting Scientist in the laboratory of Prof. Peter Gruss, Max Planck Institute of Biophysical Chemistry, Göttingen, Germany,
1995-1998	Assistant Professor of Histology, Medical School, University of Padova, Italy.
1998-2004	Associate Professor of Cell Biology, Medical School, University of Padova, Italy.
2005-present	Full Professor of Cell Biology, Medical School, University of Padova, Italy.

Honors and Awards

1986, 1987	Winner of Awards granted by the University of Padova for basic research.
1987	AIRC (Italian Association of Cancer Research) Fellow.
1993	EMBO Post-doctoral Fellow, Germany.
1994-1995	European Union Senior Fellow (Human Capital & Mobility Program).
2005	Civilitas Award, for his contributions in the field of muscular dystrophies.
2010	European Cell Death Organization (ECDO) Award.
2011	G. Conte Prize for Basic Research, Mediterranean Society of Myology.

Key Publications (5 out of 86 publications)

1. Irwin W.A., Bergamin N., Sabatelli P., Merlini L., Megighian A., Reggiani C., Braghetta P., Columbaro M., Volpin D., Bressan G.M., Bernardi P., **Bonaldo P.** Mitochondrial

dysfunction and apoptosis in myopathic mice with collagen VI deficiency. *Nature Genet.* 35: 367-371, 2003.

2. Iyengar P., Espina V., Williams T., Lin Y., Berry D., Jelicks L.A., Lee H.K., Temple K., Graves R., Pollard J., Chopra N., Russell R.G., Sasisekharan R., Trock B.J., Lippman M., Calvert V.S., Petricoin E.F., Liotta L., Dadachova E., Pestell R.G., Lisanti M.P., **Bonaldo P.**, Scherer P.E. Adipocyte-derived collagen VI affects early mammary tumor progression in vivo: a novel interaction in the tumor/stroma formation. *J. Clin. Invest.* 115: 1163-1176, 2005.
3. Merlini L., Martoni E., Grumati P., Sabatelli P., Squarzoni S., Urciuolo A., Ferlini A., Gualandi F., **Bonaldo P.** Autosomal recessive myosclerosis myopathy is a collagen VI disorder. *Neurology* 71: 1245-1253, 2008.
4. Palma E., Tiepolo T., Angelin A., Sabatelli P., Maraldi N.M., Basso E., Forte M.A., Bernardi P., **Bonaldo P.** Genetic ablation of cyclophilin D rescues mitochondrial defects and prevents muscle apoptosis in collagen VI myopathic mice. *Hum. Mol. Genet.* 18: 2024-2031, 2009.
5. Grumati P., Coletto L., Sabatelli P., Cescon M., Angelin A., Bertaggia E., Blaauw B., Urciuolo A., Tiepolo T., Merlini L., Maraldi N.M., Bernardi P., Sandri M., **Bonaldo P.** Autophagy is defective in collagen VI muscular dystrophies, and its reactivation rescues myofiber degeneration. *Nature Med.* 16: 1313-1320, 2010.