

Curriculum Vitae, Marie-Louise Bang

Nationality : Danish
Place and date of birth : Århus, Denmark, November 16, 1972
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Education

09/10/01 **Ph.D. in Natural Sciences (Dr. Rer. Nat.)**, Heidelberg University, Germany/European Molecular Biology Laboratory (EMBL), Heidelberg, Germany.
31/01/97 **Master of Science in Chemical engineering**, Biotechnology, Technical University of Denmark, Copenhagen, Denmark.

Professional history

01/01/21 **Principal Investigator** at the Institute of Genetic and Biomedical Research (IRGB), UOS Milan, National Research Council (CNR), Milan, Italy
30/01/14 **National habilitation (“idoneità”) in Physiology** (sector 05/D1) for Associate Professorship, Ministry of Education, University and Research (MIUR).
09/06/14 **National habilitation (“idoneità”) in Applied Medical Technologies and Biotechnologies (Scienze delle Professioni Sanitarie e delle Tecnologie Mediche Applicate)** (sector 06/N1) for Associate Professorship, MIUR.
04/12 – Present **Researcher** at Humanitas Research Hospital, Rozzano, Milan, Italy.
11/11 – Present **Permanent Researcher** at the Institute of Genetic and Biomedical Research (IRGB), UOS Milan, National Research Council (CNR), Milan, Italy
12/10 – 10/11 **Permanent Researcher** at the Institute of Neurobiology and Molecular Medicine (INMM) – CNR, Milan, Italy.
04/08 – 12/10 **Assistant Telethon Scientist**, Dulbecco Telethon Institute at the Institute of Biomedical Technologies (ITB) - CNR, Segrate, Milan, Italy.
07/07 – 12/11 **Researcher at IRCCS MultiMedica**, Scientific and Technology Pole, Milan, Italy.
07/07 – 03/08 **Researcher** at ITB-CNR, Milan, Italy.
04/05 – 07/07 **Postdoctoral researcher** in the group of Prof. Ju Chen at the University of California San Diego (UCSD), Department of Medicine, La Jolla, USA.
11/01 – 03/05 **Postdoctoral fellow** in the group of Prof. Kenneth R. Chien at the University of California San Diego (UCSD), Institute of Molecular Medicine, La Jolla, USA.
04/98 – 10/01 **PhD studies** at the **European Molecular Biology Laboratory (EMBL)** in the Structural and Computational Biology program financed by a TMR Marie Curie Research Training Grant.

Thesis: *A molecular genetic approach to the ligands of the titin/nebulin filament system.*

Supervisors: Dr. Siegfried Labeit (EMBL), MD, PhD, Dr. Bernhard Dobberstein, PhD (Heidelberg University).

- 08/97 – 09/97 Visiting scientist in Dr. Hiroyuko Sorimachi's lab at Tokyo University, Department of Applied Biological Chemistry, Tokyo, Japan.
- 08/97 – 03/98 **Research fellow** in the group of Prof. Siegfried Labeit at the European Molecular Biology Laboratory (EMBL), Heidelberg, Germany in the Structural and Computational Biology program.
- 02/96 – 02/97 **Master's degree thesis project** performed at **Novo Nordisk A/S**, Screening Biotechnology department, Bagsværd, Denmark.
- Thesis: *Cloning and characterization of extracellular enzymes from the basidiomycetous yeast Phaffia rhodozyma.*

Awards and honors

- 04/08 – 03/13 Assistant Telethon Scientist award, Dulbecco Telethon Institute.
Title: *The role of nebulin in nemaline myopathy.*
- 02/08 – 01/11 Fondazione Cariplo award for young international researcher in Italy.
Title: *The role of sarcomeric proteins in striated muscle development, function, and disease.*
- 11/01 – 10/03 Danish Natural Science Research Council postdoctoral fellowship.
Title: *A mouse molecular genetic approach for the study of myofibrillar assemblies and their role in signal transduction.*
- 11/01 – 07/03 American Heart Association (AHA) postdoctoral fellowship.
Title: *A mouse molecular genetic approach for the study of myofibrillar assemblies and their role in signal transduction.*
- 04/98 – 03/01 Training and Mobility of Researchers (TMR) Marie Curie Research Training Grant.
Title: *A molecular genetic approach to the ligands of the titin/nebulin filament system.*

Supervision of graduate students and postdoctoral fellows

2008 – Present 4 Postdoctoral fellows, 3 PhD students.

Professional memberships

International Society of Heart Research (ISHR), Heart Failure association, European Society of Cardiology (ESC), and the ESC Working groups: "Cellular Biology of the Heart" and "Myocardial Function", Treat-NMD

Editorial Activity

Review Editor at the Editorial Board of Cardiovascular Biologics and Regenerative Medicine, a specialty of Frontiers in Cardiovascular Medicine.

Reviewer for scientific journals: Circulation, Cardiovascular Research, FASEB J, PLoS One, Communications Biology, Journal of Cell Science, Cell and Tissue Research, Human Molecular Genetics, Developmental Dynamics, Cell Motility, Cytoskeleton, BBA Molecular Basis of Disease, BBA Molecular Cell Research, International Journal of Cardiology, Journal of Muscle Research and Cell Motility, International Journal of Molecular Sciences, and Histochemistry and Cell Biology, Gene, EBioMedicine, Journal of Clinical Medicine, Life Sciences, Journal of Zhejiang University-SCIENCE B (JZUS-B) (Biomedicine & Biotechnology), Molecules.

Reviewer of grants: MIUR, The Association Française contre les Myopathies (AFM), French National Research Agency (ANR), Muscular Dystrophy UK, Netherlands Organization for Scientific Research (MWO), Earth and Life Sciences division, and KU Leuven, and Research Foundation - Flanders FWO in the Netherlands.

Reviewer of PhD thesis from foreign university: University of Vienna, Austria.

Research

The role of sarcomeric proteins in cardiac and skeletal muscle structure, signaling, and function to dissect the molecular and physiological pathways leading from mutations in sarcomeric proteins to cardiomyopathies and skeletal myopathies. These studies are based on the analysis of various mouse and cellular models using a multidisciplinary approach including cellular, molecular, biochemical, histological, ultrastructural, physiological, and biophysical methods.

Publications

Patents

Patent publication no. WO 98/36056 (20th of August 1998): An enzyme with endo-1,3(4)-beta-glucanase activity. Inventors: **Bang ML**, Sandal T (Patent holder: Novo Nordisk A/S).

Papers (H-index: 23, citations: 4416; Scopus)

1. Di Mauro V, Ceriotti P, Lodola F, Salvarani N, Modica J, **Bang ML**, Mazzanti A, Napolitano, Priori SG, Catalucci D. Peptide-based targeting of the L-type Calcium Channel corrects the loss-of-function phenotype of two novel mutations of the cacna1 gene associated with Brugada syndrome. *Frontiers in Physiology* 11, 616819.
2. Filomena MC, Yamamoto DL, Caremani M, Kadarla VK, Mastrototaro G, Serio S, Vydyanath A, Mutarelli M, Garofalo A, Pertici I, Knöll R, Nigro V, Luther PK, Lieber RL, Beck MR, Linari M, **Bang ML** (2020). Myopalladin promotes muscle growth through modulation of the serum response factor pathway. *J Cachexia Sarcopenia Muscle*. 11, 169-194.
3. Filomena MC, **Bang ML** (2018). In the heart of the MEF2 transcription network: novel downstream effectors as potential targets for the treatment of cardiovascular disease. Editorial. *Cardiovasc Res*. 114, 1425-1427.
4. Artelt N, Ludwig TA, Rogge H, Kavvadas P, Siegerist F, Blumenthal A, Brandt JVD, Otey CA, **Bang ML**, Amann K, Chadjichristos CE, Chatziantoniou C, Endlich K, Endlich N (2018). The role of palladin in podocytes. *J Am Soc Nephrol*. 29, 1662-1678.
5. **Bang ML**[§] (2017). Animal models of congenital cardiomyopathies associated with mutations in Z-line proteins. *J Cell Physiology* 232, 38-52.
6. Rusconi F, Ceriotti P, Miragoli M, Carullo P, Salvarani N, Rocchetti M, Di Pasquale E, Rossi S, Tessari M, Caprari S, Cazade M, Kunderfranco P, Chemin J, **Bang ML**, Polticelli F, Zaza A, Faggiani G, Condorelli G, Catalucci D (2016). Peptidomimetic Targeting of Cav β 2 Overcomes Dysregulation of the L-Type Calcium Channel Density and Recovers Cardiac Function. *Circulation* 134, 534-46.
7. Lange S, Gehmlich K, Lun AS, Blondelle J, Hooper C, Dalton ND, Alvarez EA, Zhang X, **Bang ML**, Abassi YA, Dos Remedios CG, Peterson KL, Chen J, Ehler E (2016). MLP and CARP are linked to chronic PKC α signalling in dilated cardiomyopathy. *Nat Commun*. 7, 12120.
8. **Bang ML**[§], Chen J[§] (2015). Roles of nebulin family members in the heart. *Circulation J*. 79, 2081-2087.
9. Mastrototaro G, Liang X, Li X, Carullo P, Piroddi N, Tesi C, Gu Y, Dalton ND, Peterson KL, Poggesi C, Sheikh F, Chen J[§], **Bang ML**[§] (2015). Nebulette knockout mice have normal cardiac function but show Z-line widening and upregulation of cardiac stress markers. *Cardiovasc Res*. 107 216-25.
10. Castaldi A, Zaglia T, Di Mauro V, Carullo P, Viggiani G, Borile G, Di Stefano B, Schiattarella GG, Gualazzi MG, Elia L, Stirparo GG, Pironti G, Kunderfranco P, Colorito ML, Esposito G, **Bang ML**, Mongillo M, Condorelli GV, Catalucci D (2014). MiR-133 modulates the β 1-adrenergic receptor transduction cascade. *Circ Res*. 115, 273-283.
11. **Bang ML**[§], Gu Y, Dalton ND, Peterson KL, Chien KR, Chen J[§] (2014). The muscle ankyrin repeat

- proteins CARP, Ankrd2, and DARP are not essential for normal cardiac development and function at basal conditions and in response to pressure overload. *PLoS One*. 9, e93638.
12. Bean C[§], Verma N, Yamamoto DL, Chemello F, Cenni V, Filomena MC, Chen J, **Bang ML**[§], Lanfranchi G[§] (2014). Ankrd2 is a modulator of NF-κB mediated inflammatory responses during muscle differentiation. *Cell Death and Disease* 5:e1002.
 13. Yamamoto DL, Vitiello C, Zhang J, Gokhin DS, Castaldi A, Coulis G, Piaser F, Filomena MC, Eggenhuizen PJ, Kunderfranco P, Camerini S, Takano K, Endo T, Crescenzi M, Luther PK, Lieber RL, Chen J[§], **Bang ML**[§] (2013). The nebulin SH3 domain is dispensable for normal skeletal muscle structure but is required for effective active load bearing in mouse. *J Cell Sci*. 126, 5477-5489.
 14. Varrone F, Gargano B, Carullo P, Di Silvestre D, De Palma A, Grasso L, Di Somma C, Mauri P, Benazzi L, Franzone A, Jotti GS, **Bang ML**, Esposito G, Colao A, Condorelli G, Catalucci D (2013). The circulating level of FABP3 is an indirect biomarker of microRNA-1. *J Am Coll Cardiol*. 61, 88-95.
 15. Roncarati R, Latronico MV, Musumeci B, Aurino S, Torella A, **Bang ML**, Jotti GS, Puca AA, Volpe M, Nigro V, Autore C, Condorelli G (2011). Unexpectedly low mutation rates in beta-myosin heavy chain and cardiac myosin binding protein genes in Italian patients with hypertrophic cardiomyopathy. *J Cell Physiology* 226, 2894-2900
 16. **Bang ML**[§], Caremani M, Brunello E, Littlefield R, Lieber RL, Chen J, Lombardi V, Linari M[§] (2009). Nebulin plays a direct role in promoting strong actin-myosin interactions. *FASEB J*, 23, 4117-25.
 17. Gokhin DS, **Bang ML**, Zhang J, Chen J, Lieber RL (2009). Reduced thin filament length in nebulin-knockout skeletal muscle alters isometric contractile properties. *Am. J. Physiol. Cell Physiol*. 296, C1123-32.
 18. Zheng M, Cheng H, Li X, Zhang J, Cui L, Ouyang K, Han L, Zhao T, Gu Y, Dalton ND, **Bang ML**, Peterson KL, Chen J (2009). Cardiac-specific ablation of cypher leads to a severe form of dilated cardiomyopathy with premature death. *Hum Mol Genet*. 18, 701-13.
 19. Catalucci D, **Bang ML**, Condorelli G. (2008). Deciphering the beta-adrenergic response in human embryonic Stem Cell-derived-cardiac myocytes. Are we closer to clinical use? Editorial *British Journal of Pharmacology*. 153 625-626.
 20. Zhang J*, **Bang ML***, Gokhin DS, Lu Y, Cui L, Li X, Gu Y, Dalton ND, Scimia MC, Peterson KL, Lieber RL, Chen J (2008). Syncoilin is required for generating maximum isometric stress in skeletal muscle but dispensable for muscle cytoarchitecture. *Am. J. Physiol. Cell Physiol*. 294, 1175-1182.
 21. Sheikh F*, **Bang ML***, Lange S, Chen J (2007). "Z" eroing in on the Role of Cypher in Striated Muscle Function, Signaling and Human Disease. *Trends Cardiovasc. Med*. 17, 259-263
 22. Carè A, Catalucci D, Felicetti F, Bonci D, Addario A, Gallo P, **Bang ML**, Segnalini P, Gu Y, Dalton ND, Latronico MVG, Høydal M, Autore C, Russo MA, Dorn GW, Ellingsen Ø, Ruiz-Lozano P, Peterson KL, Croce CM, Peschle C, Condorelli G (2007). MicroRNA-133 controls cardiac hypertrophy. *Nature Medicine* 13, 613-618.
 23. Barash I, **Bang ML**, Mathew L, Greaser ML, Chen J, Lieber RL (2007). Structural and Regulatory Roles of the Muscle Ankyrin Repeat Protein Family in Skeletal Muscle. *Am. J. Physiol. Cell Physiol*. 293, 218-227.
 24. **Bang ML**, Li X, Littlefield R, Bremner S, Thor A, Knowlton K, Lieber RL, Chen J (2006). Nebulin-deficient mice exhibit shorter thin filament lengths and reduced contractile function in skeletal muscle. *J. Cell Biol*. 173, 905-916.
 25. Miller MK*, **Bang ML***, Witt CC, Labeit D, Trobitas C, Watanabe K, Granzier H, McElhinny AS, Gregorio CC, Labeit S (2003) The muscle ankyrin repeat proteins: CARP, ankrd2/Arpp and DARP as a family of titin filament based stress response molecules. *J. Mol. Biol*. 333, 951-964.
 26. Knöll R, Hoshijima M, Hoffman HM, Person V, Lorenzen-Schmidt I, **Bang ML**, Hayashi T, Shiga N, Yasukawa H, Schaper W, McKenna W, Yokoyama M, Schork NJ, Omens JH, McCulloch AD, Kimura A, Gregorio CC, Poller W, Schaper J, Schultheiss HP, Chien KR (2002). The cardiac mechanical stretch sensor machinery involves a Z disc complex that is defective in a subset of human dilated cardiomyopathy. *Cell* 111 943-955.
 27. Labeit S, **Bang ML** (2002) Titins. *Wiley Encyclopedia of Molecular Medicine*. 5, 3187-3189.
 28. **Bang ML**, Gregorio CC, Labeit S (2002) Molecular dissection of the interaction of desmin with the C-terminal region of nebulin. *J. Struct. Biol*. 137, 119-127.
 29. Gurgel-Giannetti J, **Bang ML**, Reed U, Marie S, Zatz M, Labeit S, Vainzof M (2002) Lack of the C-terminal domain of nebulin in a patient with nemaline myopathy. *Muscle Nerve* 25, 747-752.

30. **Bang ML***, Centner T*, Fornoff F, Geach A, Gotthardt M, McNabb M, Witt CC, Labeit D, Gregorio CC, Granzier H, Labeit S (2001). The complete gene sequence of titin, expression of an unusual ~700 kDa titin isoform and its interaction with obscurin identify a novel Z-line to I-band linking system. *Circ. Res.* 89, 1065-1072.
31. Furukawa T, Inagaki N, Tsuchiya H, Katayama Y, **Bang ML**, Labeit D, Labeit S, Ono Y, Gregorio CC (2001) Specific interaction of the potassium channel beta-subunit minK with the sarcomeric protein T-cap suggests a T-tubule-myofibril linking system. *J. Mol. Biol.* 313, 775-784.
32. **Bang ML**, Mudry RE, McElhinny AS, Trombitás K, Geach A, Yamasaki R, Sorimachi H, Granzier H, Gregorio C, Labeit S (2001) Myopalladin, a novel 145 kDa sarcomeric protein with multiple roles in Z-disc and I-band protein assemblies. *J. Cell. Biol.* 153, 413-428.
33. Centner T, Yano J, Kimura E, McElhinny AS, Pelin K, Witt CC, **Bang ML**, Trombitas K, Granzier H, Gregorio CC, Sorimachi H, Labeit S. (2001) Identification of muscle specific ring finger proteins as potential regulators of the titin kinase domain. *J. Mol. Biol.* 306, 717-726.
34. Gurgel-Giannetti J, Reed U, **Bang ML**, Pelin K, Donner K, Marie SK, Carvalho M, Fireman MA, Zanoteli E, Oliveira AS, Zatz M, Wallgren-Pettersson C, Labeit S, Vainzof M (2001) Nebulin expression in patients with nemaline myopathy. *Neuromuscul. Disord.* 11, 154-162.
35. Ojiima K, Lin ZX, **Bang ML**, Holtzer S, Matsuda R, Labeit S, Sweeney HL, Holtzer H (2000) Distinct families of Z-line targeting modules in the C-terminal region of nebulin. *J. Cell Biol.* 150, 553-566.
36. Pelin K, Hilpelä P, Donner K, Sewry C, Akkari PA, Wilton SD, Wattanasirichaigoon D, Centner T, **Bang ML**, Hanefeld F, Odent S, Fardeau M, Urtizberea JA, Muntoni F, Dubowitz V, Beggs AH, Laing NG, Labeit S, Chapelle Adl, Wallgren-Pettersson C (1999) Mutations in the nebulin gene associated with autosomal recessive nemaline myopathy. *Proc. Natl. Acad. Sci. U S A.* 96, 2305-2310.
37. **Bang ML**, Villadsen I, Sandal T (1999) Cloning and characterization of an endo- β -1,3(4)glucanase and an aspartic protease from *Phaffia rhodozyma* CBS 6938. *Appl. Microbiol. Biotech.* 51, 215-222.

* Equally contributed

§ Corresponding author

Speaker at International and National congresses

- International Society of Heart Research - European section meeting 2018 (ISHR-2018-ES), Amsterdam, The Netherlands, July 16-19, 2018. “*Myopalladin is upregulated in dilated cardiomyopathy patients and myopalladin knockout mice develop cardiac dilation and dysfunction following pressure overload*”. Abstract presentation and poster judge. Abstract published in: *J Mol Cell Cardiol.* 120, suppl. 1, 43, July 2018, Abstract #115.
- Speaker at “EMBL in Italy” event at IFOM, Milan, Italy, May 3, 2018.
- King’s college London, UK, March 1, 2017. “*Insights into the roles of the sarcomeric proteins myopalladin and palladin in cardiac and skeletal muscle function and disease*”. Seminar. Invited by dr. Julien Ochala.
- European Muscle Conference. Montpellier, France, September 2-6, 2016. “*Ablation of palladin in adult cardiac muscle causes cardiac dilation and systolic dysfunction*”. Abstract presentation.
- Speaker at “Stati Generali della Ricerca Sanitaria 2016” event. Rome, April 27-28, 2016.
- Conference on structure and dynamics of the sarcomere. Belgrade, Serbia May 4-6, 2016. “*Myopalladin promotes muscle growth through activation of the MRTF-SRF pathway*”. Abstract presentation.
- Max F. Perutz laboratories (MFPL), University of Vienna, Vienna, Austria. July 15, 2015. “*Insights into the roles of the sarcomeric proteins myopalladin and palladin in cardiac and skeletal muscle function and disease*”. Seminar. Invited by Prof. Kristina Djinovic-Carugo.
- Myocardial function & Cellular Biology of the Heart Meeting 2015. Varenna, Italy. March 30 - April 3, 2015. “*Expression of myopalladin mutations in the absence of endogenous myopalladin in mouse results in dilated cardiomyopathy, suggesting that myopalladin mutations have dominant gain-of function effects*”. Abstract presentation.

- EMBO conference: Molecular Biology of Muscle Development and Regeneration. Acaya-Lecce, Italy. May 14-18, 2014. *“An unexpected role of the sarcomeric protein myopalladin in skeletal muscle growth”*. Abstract presentation.
- EMBL conference: Myofibrillar Z-disc Structure and Dynamics. EMBL Hamburg, Germany October 14-17, 2013. *“The nebulin SH3 domain is dispensable for normal skeletal muscle structure but is required for effective active load bearing in mouse”*. Abstract presentation.
- Workshop in connection with the “Muscle Z-disc Protein Complexes: from atomic structure to physiological function” (MUZIC) consortium under the 7th framework programme of EU. University of Padova, Italy, October 2, 2012. *“Generation and use of gene targeted mice for studying sarcomeric proteins”*.
- International conference on muscle wasting. Ascona, Switzerland. September 18-23, 2011. *“Myopalladin – a sarcomeric protein with an unexpected role in skeletal muscle growth”*. Abstract presentation.
- University Medical Center Göttingen, Germany. September 6, 2011. *“The role of the actin-binding proteins myopalladin and palladin in striated muscle structure, function, and disease”*. Seminar. Invited by Prof. Wolfram Zimmermann.
- Imperial college, London, UK, March 16, 2011. *“The role of the myopalladin and its homologue palladin in striated muscle structure, function, and disease”*. Seminar. Invited by Dr. Pradeep Luther.
- HFA Winter Research Meeting 2011. Les Diablerets, Switzerland. January 26-29, 2011. *“Ablation of Cardiac Ankyrin Repeat Protein (CARP) promotes arteriogenesis”*. Abstract presentation.
- “Muscle Z-disc Protein Complexes: from atomic structure to physiological function” (MUZIC) meeting under the 7th framework programme of EU. Vienna, Austria. November 25-26, 2010. *“The role of the myopalladin/palladin family in striated muscle”*. Invited speaker.
- Settimo meeting Istituto Interuniversitario di Miologia. Certosa di Pontignano, Vagliagli (Siena), October 14-16, 2010. *“MicroRNAs and their role in skeletal muscle development and disease”*. Keynote speaker.
- 2010 Spring Padua Muscle Days. Terme Euganee, Padua, Italy. April 22-24, 2010. *“The functional role of nebulin’s SH3 domain in the sarcomeric Z-line”*. Invited speaker.
- EMBL, Hamburg, Germany. March 23, 2010. *“The role of nebulin and its interaction partner myopalladin in striated muscle structure, function, and disease”*. Seminar. Invited by Prof. Matthias Wilmanns.
- Venetian Institute of Molecular Medicine (VIMM), Padova, Italy, Nov. 6, 2009. *“Nebulin and its interaction partner myopalladin play important roles in skeletal muscle growth, function and disease”*. Seminar. Invited by Prof. Stefano Schiaffino.
- European Muscle Conference, Lille, France. September 12-16, 2009. *“Myopalladin plays an important role in skeletal muscle growth and function”*. Abstract presentation.
- Keystone symposium: Common Mechanisms in Arrhythmias and Heart Failure. Keystone, USA, April 2-7, 2008. *“Ablation of myopalladin results in pressure overload-induced dilated cardiomyopathy”*. Abstract presentation.
- Telethon DTI meeting. Bardolino, Italy, October 21-23, 2008. *“The role of nebulin in nemaline myopathy”*. Oral presentation.
- ESC 2008. Munich, Germany, August 30 – September 3, 2008. *“New sarcomeric/cytoskeletal proteins in cardiac function and disease”*. Invited speaker.
- Heart Failure 2008 Congress. Milan, Italy, June 14-17, 2008. *“New sarcomeric/cytoskeletal proteins in dilated cardiomyopathy”*. Invited speaker.

- Quarto meeting Istituto Interuniversitario di Miologia. Scuola dello Sport del CONI, Roma, 21-24 November 2007. *“Roles of nebulin and its interacting partner myopalladin in skeletal muscle”*. Oral presentation.
- Biotechnology Centre and Department of Biology (CRIBI), University of Padova, Italy. Dec. 6, 2007. *“Roles of nebulin and its interacting partner myopalladin in skeletal muscle”*. Seminar. Invited by Prof. Gerolamo Lanfranchi.
- 70th ENMC International Workshop: Nemaline Myopathy. Narden, The Netherlands, June, 11th to 13th, 1999. *“Identification of novel titin/nebulin ligands by yeast two-hybrid”*. Oral presentation.
- Workshop of Marie Curie Fellows: Research Training in Progress. Munich, Germany, October 25-27, 1999. *“Protein interaction in the Z-disc of muscles”*. Oral presentation.

Past and ongoing funding

ERAPerMed 2018, ID 271 (unit)

“Stratification of heart failure patients for cardiac recovery upon cardiac unloading by left ventricular assist device therapy: addressing the molecular, epigenetic, and proteomic changes associated with reverse cardiac remodelling”

01/07/2019 – 30/06/2022

500.000 euro

Agenzia Spaziale Italia (ASI), Bando Biomedicina e Biotecnologie in ambito Spaziale – 2012 Bando di Ricerca, 2015-009-R.0 (unit)

“Identification and characterization of mechanosensors of gravity. Study of their signaling and physiopathological effects on the myocardium, neural tissue, skeletal muscle, and bone tissue”

01/11/2015 – 31/09/2018

51.806 euro

MIUR-CNR Progetto bandiera Invecchiamento 2012-2014 (unit)

“Mouse models of senescence induced by stress and associated with amyloidosis.”

01/04/14 – 31/12/18

79.166,67 euro

Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale (PRIN) 2010-2011, 2010R8JK2X_006 (unit)

“Physiological and pathological mechanisms in skeletal muscle.”

01/02/13 – 31/01/16

99.354 euro

Fondazione Telethon, GGP12282 (coordinator)

“Myopalladin in Dilated Cardiomyopathy and Limb Girdle Muscular Dystrophy.”

01/12/12 – 30/09/16

218.900 euro (430.600 euro in total)

Fondazione Cariplo, 2007.5812 (PI)

“The role of sarcomeric proteins in striated muscle development, function, and disease.”

03/03/08 – 02/03/11

330.000 euro

Fondazione Telethon, Dulbecco Telethon institute, TCP07006 (PI)

Assistant Telethon Scientist award

“The role of nebulin in nemaline myopathy.”

01/04/08 – 31/03/13

517.000 euro

Ministero della Salute, Progetto Ordinario, RF-MUL-2007-666195 (coordinator)

“The role of myopalladin in human dilated cardiomyopathy and limb girdle muscular dystrophy.”

18/12/08 – 17/12/11

207.000 euro (425.000 euro in total)