

**Informazioni personali**

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Posizione Attuale

Ricercatore B
Dipartimento di Medicina e Chirurgia
Università LUM Giuseppe Degennaro

**Attività Istituzionali e
Professionali 2020-oggi**

Ricercatore A
Dipartimento di Istologia ed Embriologia
Sapienza Università di Roma (2021-22)

Biologo a contratto – ARIS,
Fondazione Santa Lucia, Roma (2020-2021)

**Istruzione, Formazione,
Carriera**

PhD in Immunology, King's College London, 2007
MSc Medical Immunology, University College London, 2003
MSc Human Metabolism, University of Aberdeen, UK, 2000
BSc Biomedical Sciences, University of Westminster, 1998

Memberships – Awards

Member-Editorial Board Frontiers in Bioscience
Guest Editor (IJMS), Reviewer Cell Death and Disease, Frontiers in
Physiology, PLOS ONE, IJMS, Cells
Grants: JDRF, Dutch Parent Project, Italian Parent Project, Ateneo

Convegni e Conferenze

Gordon, EMBO, Keystone among others

Lingue

English, Italian

Principali pubblicazioni scientifiche

Morroni, Jacopo, Leonardo Schirone, Valentina Valenti, Clemens Zwergel, Carles S. Riera, Sergio Valente, Daniele Vecchio, Sonia Schiavon, Rino Ragno, Antonello Mai, Sebastiano Sciarretta, **Biliana Lozanoska-Ochser†**, and Marina Bouché (2022). Inhibition of PKC θ Improves Dystrophic Heart Phenotype and Function in a Novel Model of DMD Cardiomyopathy. *International Journal of Molecular Sciences* 23, no. 4: 2256. DOI: 10.3390/ijms23042256.

Benedetti A, Cera G, De Meo D, Villani C, Bouche M and **Lozanoska-Ochser B*** (2021). A simple method for the isolation and in vitro expansion of highly pure mouse and human satellite cells. *Bio-protocol* 11(23): e4238. DOI: 10.21769/Bio-Protoc.4238.

Benedetti A, Cera G, De Meo D, Villani C, Bouche M and **Lozanoska-Ochser B*** (2021). A novel approach for the isolation and long-term expansion of pure satellite cells based on ice-cold treatment. *Skeletal Muscle*, 17;11(1):7.

Morroni J, Schirone L, Vecchio D, Nicoletti C, D'Ambrosio L, Valenti V, Sciarretta S, **Lozanoska-Ochser B†**, Bouché M† (2021). Accelerating the *mdx* heart histo-pathology through physical exercise. *Life*, 17;11(7):706.

Renzini A, Riera CS, Minic I, D'Ercole C, **Lozanoska-Ochser B**, Cedola A, Gigli G, Moresi V, Madaro L (2021). Metabolic remodelling in skeletal muscle atrophy as a therapeutic target. *Metabolites*, 5;11(8):517.

Proietti D, Giordani L, De Bardi M, D'Ercole C, **Lozanoska-Ochser B**, Amadio S, Volonté C, Marinelli S, Muchir A, Bouché M, Borsellino G, Sacco A, Puri PL, Madaro L (2021). Activation of skeletal muscle-resident glial cells upon nerve injury. *JCI Insight*, 8;6(7):e143469.

Sánchez Riera C, **Lozanoska-Ochser B**, Testa S, Fornetti E, Bouche M, Madaro L (2021). Muscle diversity, heterogeneity, and gradients: Learning from sarcoglycanopathies. *Int J Mol Sci*, 22:2502.

Berardi E, Madaro L, **Lozanoska-Ochser B**, Adamo S, Thorrez L, Bouche M, Coletti D (2021). A pound of flesh: What cachexia is and what it is not. *Diagnostics*, DOI: 10.3390/diagnostics11010116.

Rizzo G, Di Maggio R, Benedetti A, Morroni J, Bouche M, and **Lozanoska-Ochser B*** (2020). Splenic Ly6C^{hi} monocytes are critical players in dystrophic muscle injury and repair. *JCI Insight*, 5: e130807.

Benedetti A, Fiore PF, Madaro L, **Lozanoska-Ochser B†**, Bouché M† (2020). Targeting PKC θ Promotes Satellite Cell Self-Renewal. *Int J Mol Sci*, 7, 1-18.

Fiore P, Benedetti A, Sandonà M, Madaro L, De Bardi M, Saccone V, Puri PL, Gargioli C, **Lozanoska-Ochser B**, and Bouché M. (2020). Lack of PKC θ promotes regenerative ability of muscle stem cells in chronic muscle injury. *Int J Mol Sci*, 21:932.

Bouché M, **Lozanoska-Ochser B**, Proietti D, Madaro L. (2018) Do neurogenic and cancer-induced muscle atrophy follow common or divergent paths? *Eur J Transl Myol*, 28: 393-400.

Lozanoska-Ochser B*, Benedetti A, Rizzo G, Marrocco V, Di Maggio R, Fiore P, Bouche M*. (2018) Targeting early PKC θ -dependent T-cell infiltration of dystrophic muscle reduces disease severity in a mouse model of muscular dystrophy. *J Pathol*, 244:323-333..

Marrocco V, Fiore P, Benedetti A, Pisu S, Rizzuto E, Musarò A, Madaro L, **Lozanoska-Ochser B**, Bouché M. (2017). Pharmacological Inhibition of PKC θ Counteracts Muscle Disease in a Mouse Model of Duchenne Muscular Dystrophy. *EBioMedicine*, 16:150-161.

Marrocco V, Fiore P, Madaro L, Crupi A, **Lozanoska-Ochser B** and Bouché M. (2014). Targeting PKC theta in skeletal muscle and muscle diseases: good or bad? *Biochemical Society Transactions*, 42:1550-155.

Lozanoska-Ochser B and Peakman M. (2009). Level of MHC class I expression on endothelium in non-obese diabetic mice influences CD8 T cell adhesion and migration. *Clinical and Experimental Immunology*, 157:119-127.

Thrower SL, James L, Hall W, Green KM, Arif S, Allen JS, Van-Krinks C, **Lozanoska-Ochser B**, Marquesini L, Brown S, Wong FS, Dayan CM, Peakman M. (2009). Proinsulin peptide immunotherapy in type 1 diabetes: report of a first-in-man Phase I safety study. *Clinical and Experimental Immunology*, 155:156-65.

Allen JS, Pang K, Skowera A, Ellis R, Rackham C, **Lozanoska-Ochser B**, Tree T, Leslie RD, Tremble JM, Dayan CM, Peakman M. (2009). Plasmacytoid dendritic cells are proportionally expanded at diagnosis of type 1 diabetes and enhance islet autoantigen presentation to T-cells through immune complex capture. *Diabetes*, 58:138-45.

Lozanoska-Ochser B, Klein NJ, Huang GC, Alvarez RA, Peakman M. (2008). Expression of CD86 on human islet endothelial cells facilitates T cell adhesion and migration. *Journal of Immunology*, 181:6109-16.

Lozanoska-Ochser B, Barone F, Pitzalis C, Peakman M. (2006). Atorvastatin fails to prevent the development of autoimmune diabetes despite inhibition of pathogenic beta-cell-specific CD8 T-cells. *Diabetes*, 55:1004-10.

Favaro E, Bottelli A, **Lozanoska-Ochser B**, Ferioli E, Huang GC, Klein N, Chiaravalli A, Perin PC, Camussi G, Peakman M, Conaldi PG, Zanone MM (2005). Primary and immortalised human pancreatic islet endothelial cells: phenotypic and immunological characterisation. *Diabetologia*, 48(12):2552-62.

Zanone MM, Favaro E, Doublier S, **Lozanoska-Ochser B**, Deregibus MC, Greening J, Huang GC, Klein N, Cavallo Perin P, Peakman M, Camussi G. (2005). Expression of nephrin by human pancreatic islet endothelial cells. *Diabetologia*, 48:1789-97. **IF: 9.097**.

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Biliana Lozanoska-Ochser

