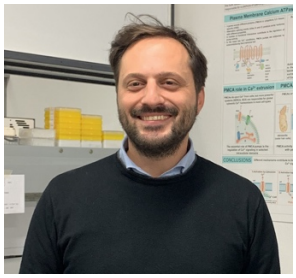
PERSONAL INFORMATION

Tito Calì, PhD



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http://www.biomed.unipd.it/research-areas/computational-and-structural-biology/protein-crystallography-and-cryoem/people/

https://pnc.unipd.it/cali-tito/

Sex Male | *Date of birth* 02/02/1981 | *Nationality* Italian

WORK EXPERIENCE

2019 **Associate Professor**
DSB and PNC, University of Padova.

2017-2019 **Assistant Professor (RTDB)**
DSB and PNC , University of Padova.

2015-2016 **Assistant Professor (RTDA)**
DSB and PNC , University of Padova.

2009-2015 **Postdotoral Fellow**
Department of Biological Chemistry and Department of Biomedical Sciences, University of Padova.

EDUCATION AND TRAINING

2008 **PhD "in signi cum laude", Biochemistry and Molecular Biology, Graduate School for Cellular and Biomedical Sciences**
University of Bern/Theodor Kocher institute, Switzerland.

2006-2008 **PhD fellow Institute for Research In Biomedicine (IRB), Bellinzona, Switzerland**

2005 **Master's degree in Biological Sciences (Molecular biology/ Biochemistry).**
Faculty of Mathematical Physical and Natural Sciences, University of L'Aquila, Italy.

WORK ACTIVITIES

Invited presentations

- 21st International Symposium (CaBP21), Shanghai, 16-21 May 2020.
- Calcium Signaling in Aging and Neurodegenerative Diseases workshop, Coimbra, 18-20 September 2019.
- 2-3 May 2019, INSTITUT JACQUES MONOD-Universite Paris Diderot/CNRS, Paris.
- EMBO Workshop Membrane Contact Sites in Health and Disease. 21-25 September 2018 Arosa, Switzerland.
- 20th International Symposium (CaBP20). October 22-26 2017, Awaji City, Hyogo, Japan.
- PhD course in Traslational Specialistic Medicine "G.B. Morgagni", Padova, 19-23 September 2016.
- Shanghai tech summer school venice/asiago August 16 - September 7.
- Department of Biochemical Sciences "A. Rossi Fanelli" Sapienza University, Rome. April 22, 2016.
- MiP School Spring, London 2015. University College London, April 20th-24th.

Patents

Patent application n° 102017000077259 filed on 21 March 2017. A Split-GFP based method for the identification of Organelle's contact sites.

ADDITIONAL INFORMATION

Publications

84 publications in peer-review journals in the last ten years (2015-2025)
6767 Total Citations (2012-2022)
43 H index
max 10 **relevant** publications

1. Cieri, D., Vicario, M., Giacomello, M., Vallese, F., Filadi, R., Wagner, T., Pozzan, T., Pizzo, P., Scorrano, L., Brini, M. & Cali, T. SPLICS: a split green fluorescent protein-based contact site sensor for narrow and wide heterotypic organelle juxtaposition. Cell Death Differ 25, 1131-1145, doi:10.1038/s41418-017-0033- z (2018).
2. Vallese F, Catoni C, Cieri D, Barazzuol L, Ramirez O, Calore V, Bonora M, Giamogante F, Pinton P, Brini M, Calì T. An expanded palette of improved SPLICS reporters detects multiple organelle contacts in vitro and in vivo. Nat Commun. 2020 Nov 27;11(1):6069. doi: 10.1038/s41467-020-19892-6.
3. Giamogante F, Barazzuol L, Maiorca F, Poggio E, Esposito A, Masato A, Napolitano G, Vagnoni A, Calì T, Brini M. A SPLICS reporter reveals [Formula: see text]-synuclein regulation of lysosome-mitochondria contacts which affects TFEB nuclear translocation. Nat Commun. 2024 Feb 19;15(1):1516. doi: 10.1038/s41467-024-46007-2.
4. Vallese F, Kim K, Yen LY, Johnston JD, Noble AJ, Calì T, Clarke OB. Architecture of the human erythrocyte ankyrin-1 complex. Nat Struct Mol Biol. 2022 Jul;29(7):706-718. doi: 10.1038/s41594-022-00792-w
5. Calì T, Brini M. Quantification of organelle contact sites by split-GFP-based contact site sensors (SPLICS) in living

cells. Nat Protoc. 2021 Nov;16(11):5287-5308. doi: 10.1038/s41596-021-00614-1

6. Vallese F, Maso L, Giamogante F, Poggio E, Barazzuol L, Salmaso A, Lopreiato R, Cendron L, Navazio L, Zanni G, Weber Y, Kovacevic-Preradovic T, Keren B, Torraco A, Carrozzo R, Peretto F, Peggion C, Ferro S, Marin O, Zanotti G, Calì T, Brini M, Carafoli E. The ataxia-linked E1081Q mutation affects the sub-plasma membrane Ca2+-microdomains by tuning PMCA3 activity. Cell Death Dis. 2022 Oct 7;13(10):855
7. Zanni, G.*, Calì, T.*, Kalscheuer, V. M., Ottolini, D., Barresi, S., Lebrun, N., Montecchi-Palazzi, L., Hu, H., Chelly, J., Bertini, E., Brini, M. & Carafoli, E. Mutation of plasma membrane Ca2+ ATPase isoform 3 in a family with X-linked congenital cerebellar ataxia impairs Ca2+ homeostasis. Proc Natl Acad Sci U S A 109, 14514-14519, doi:10.1073/pnas.1207488109 (2012)
8. Cali, T., Ottolini, D., Soriano, M. E. & Brini, M. A new split-GFP-based probe reveals DJ-1 translocation into the mitochondrial matrix to sustain ATP synthesis upon nutrient deprivation. Hum Mol Genet, doi:10.1093/hmg/ddu519 (2014).
9. Vallese F, Maso L, Giamogante F, Poggio E, Barazzuol L, Salmaso A, Lopreiato R, Cendron L, Navazio L, Zanni G, Weber Y, Kovacevic-Preradovic T, Keren B, Torraco A, Carrozzo R, Peretto F, Peggion C, Ferro S, Marin O, Zanotti G, Calì T, Brini M, Carafoli E. The ataxia-linked E1081Q mutation affects the sub-plasma membrane Ca2+-microdomains by tuning PMCA3 activity. Cell Death Dis. 2022 Oct 7;13(10):855.
10. Poggio E, Barazzuol L, Salmaso A, Milani C, Deligiannopoulou A, Cazorla ÁG, Jang SS, Juliá-Palacios N, Keren B, Kopajtich R, Lynch SA, Mignot C, Moorwood C, Neuhofer C, Nigro V, Oostra A, Prokisch H, Saillour V, Schuermans N, Torella A, Verloo P, Yazbeck E, Zollino M, Jech R, Winkelmann J, Necpal J, Calì T, Brini M, Zech M. ATP2B2 de novo variants as a cause of variable neurodevelopmental disorders that feature dystonia, ataxia, intellectual disability, behavioral symptoms, and seizures.Genet Med. 2023 Sep 4;25(12):100971.