

CERM Publications 2026

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4. Doni D, Grifagni D, Cavion F, Buchignani B, Battini R, Baschiera E, Desbats MA, Pasquariello R, Covello G, De Pascale E, Boarolo A, Cestonaro I, Badocco D, Pastore P, Sartori G, Stehling O, Lill R, Santorelli FM, Salviati L, Ciofi-Baffoni S, Costantini P. A novel mutation in FDX2 provides insights into the pathogenesis of MEOAL mitochondrial neuromuscular disease. **Cell Death and Disease** 17, 59 (2026). <https://doi.org/10.1038/s41419-025-08323-3> (IF 12.2)
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6. Luo M, Tang JH, Lei Y, Parigi G, Luchinat C, Meade TJ, An Enzyme-Responsive Gd(III) MRI Probe for Visualizing β -Hexosaminidase A Activity, **ACS Sensors** 2026 11 (6), 4489-4499, DOI: 10.1021/acssensors.5c04635 (IF 10.9)
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11. Nocentini A, Giovannuzzi S, Alterio V, Bonardi A, Barons R, Zalubovskis R, Eldehna WM, Aronne R, Esposito D, Luchinat E, De Simone G, Bartolucci G, Gratteri P, Mori M, Supuran CT, Discovery of a Mixed and Prodrug-Like Inhibition Mechanism for Phosphocoumarins and Phosphoquinolinones against Human Carbonic Anhydrases, **Journal of Medicinal Chemistry** 2026 69 (9), 11638-11648, DOI: 10.1021/acs.jmedchem.6c00915 (IF 7.3)Doni, D., Grifagni, D., Cavion, F. et al. A novel mutation in FDX2 provides insights into the pathogenesis of MEOAL mitochondrial neuromuscular disease. **Cell Death Dis** 17, 59 (2026). <https://doi.org/10.1038/s41419-025-08323-3>. (IF 7.0)
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20. Turchi F, Turan HT, Schiavina M, Brancato G, Felli IC, Pierattelli R, Molecular Interplay of Small Molecules and Calcium Ions with α -Synuclein Revealed by NMR and Molecular Dynamics Simulations, **ACS Chemical Neuroscience** 2026 17 (8), 1462-1468, DOI: 10.1021/acschemneuro.6c00106 (IF 4.5)
21. Tang JH, Taghian T, Jayakumar S, Parigi G, Luchinat C, Hall E, Gray-Edwards HL, Meade TJ. Bioresponsive MR Imaging Probes for Noninvasive Monitoring of AAV Gene Therapy. **Bioconjug Chem.** 2026 Feb 9. doi: 10.1021/acs.bioconjchem.5c00525. Epub ahead of print. PMID: 41664471. (IF 3.9)
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