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PRIMARY LITERATURE RELEVANT TO BARTH SYNDROME BY TOPIC

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*****Publications that acknowledge financial support contributed by BSF and/or BSF Affiliates.*

▼*Publications that acknowledge biological samples (and/or information) from Barth families, the Barth Syndrome Registry and Repository (BRR), and/or BSF Affiliates.*

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ANIMAL MODELS IN BARTH SYNDROME RESEARCH

NEW Cade WT, Bohnert KL, Peterson LR, Patterson BW, Bittel AJ, Okunade AL, de Las Fuentes L, Steger-May K, Bashir A, Schweitzer GG, Chacko SK, Wanders RJ, Pacak CA, Byrne BJ, Reeds DN. **Blunted fat oxidation upon submaximal exercise is partially compensated by enhanced glucose metabolism in children, adolescents and young adults with Barth syndrome.** J Inherit Metab Dis. 2019 Mar 29. doi: 10.1002/jimd.12094. [Epub ahead of print]▼

NEW Ren M, Xu Y, Erdjument-Bromage H, Donelian A, Phoon CKL, Terada N, Strathdee D, Neubert TA, Schlame M. **Extramitochondrial cardiolipin suggests a novel function of mitochondria in spermatogenesis.** J Cell Biol. 2019 Mar 26. pii: jcb.201808131. doi: 10.1083/jcb.201808131. [Epub ahead of print]

NEW Anthonymuthu TS, Kenny EM, Lamade AM, Gidwani H, Krehel NM, Misse A, Gao X, Amoscato AA, Straub AC, Kagan VE, Dezfulian C, Bayir H. **Lipidomics detection of brain cardiolipins in plasma is associated with outcome after cardiac arrest.** Crit Care Med. 2019 Apr;47(4):e292-e300. doi: 10.1097/CCM.0000000000003636.

NEW Suzuki-Hatano S, Saha M, Rizzo SA, Witko RL, Gosiker BJ, Ramanathan M, Soustek MS, Jones MD, Kang PT, Byrne BJ, Cade WT, Pacak CA. **AAV-mediated *TAZ* gene replacement restores mitochondrial and cardioskeletal function in Barth syndrome.** Hum Gene Ther. 2019 Feb;30(2):139-154. doi: 10.1089/hum.2018.020. Epub 2018 Oct 3. *(PubMed - Abstract)**

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- Kim J, Lee K, Fujioka H, Tandler B, Hoppel CL. **Cardiac mitochondrial structure and function in tafazzin-knockdown mice.** Mitochondrion. 2018 Oct 30. pii: S1567-7249(18)30074-6. doi: 10.1016/j.mito.2018.10.005. [Epub ahead of print] *(PubMed Abstract)** ▼

- Chowdhury A, Aich A, Jain G, Wozny K, Lüchtenborg C, Hartmann M, Bernhard O, Balleiniger M, Alfar EA, Zieseniss A, Toischer K, Guan K, Rizzoli SO, Brügger B, Fischer A, Katschinski DM, Rehling P, Dudek J. **Defective mitochondrial cardiolipin remodeling dampens HIF-1α expression in hypoxia.** Cell Rep. 2018 Oct 16;25(3):561-570.e6. doi:10.1016/j.celrep.2018.09.057. *(PubMed – Open Access)*▼

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BARTH SYNDROME

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NEW Cade WT, Bohnert KL, Peterson LR, Patterson BW, Bittel AJ, Okunade AL, de Las Fuentes L, Steger-May K, Bashir A, Schweitzer GG, Chacko SK, Wanders RJ, Pacak CA, Byrne BJ, Reeds DN. **Blunted fat oxidation upon submaximal exercise is partially compensated by enhanced glucose metabolism in children, adolescents and young adults with Barth syndrome.** J Inherit Metab Dis. 2019 Mar 29. doi: 10.1002/jimd.12094. [Epub ahead of print] *(PubMed – Abstract)*▼

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