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## **PRIMARY LITERATURE RELEVANT TO BARTH SYNDROME BY TOPIC**

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## **TREATMENT OF SYMPTOMS RELEVANT TO BARTH SYNDROME PATIENTS**

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## ANIMAL MODELS IN BARTH SYNDROME RESEARCH

- New** Mouse model of Barth syndrome. [SciBX 3\(47\); Dec 9 2010.](#) (*Nature Abstract*)\*
- New** Soustek MS, Falk D, Mah C, Toth M, Schlame M, Lewin A, Byrne B. **Characterization of a Transgenic shRNA Induced murine model of Tafazzin Deficiency.** [Hum Gene Ther. 2010 Nov 23. \[Epub ahead of print\]](#) (*PubMed Abstract*)<sup>▼</sup>
- New** Acehhan D, Vaz F, Houtkooper RH, James J, Moore V, Tokunaga C, Kulik W, Wansapura J, Toth MJ, Strauss A, Khuchua Z. **Cardiac and skeletal muscle defects in a mouse model of human Barth syndrome.** [J Biol Chem. 2010 Nov 9. \[Epub ahead of print\]](#) (*PubMed Abstract*)\*
- New** Rijken PJ. **Phosphatidylcholine-protein interactions and remodeling of cardiolipin in yeast mitochondria.** *Doctoral Thesis, Scheikunde Proefschriften, 2010.* (*Abstract*)\*
- Rea SL, Graham BH, Nakamaru-Ogiso E, Kar A, Falk MJ. **Bacteria, yeast, worms, and flies: exploiting simple model organisms to investigate human mitochondrial diseases.** [Dev Disabil Res Rev. 2010 Jun;16\(2\):200-18.](#) (*PubMed Abstract*)
  - Chen S, Liu D, Finley RL Jr, Greenberg ML. **Loss of mitochondrial DNA in the yeast cardiolipin synthase *crd1* mutant leads to up-regulation of the protein kinase Swe1p that regulates the G2/M transition.** [J Biol Chem. 2010 Apr 2;285\(14\):10397-407.](#) Epub 2010 Jan 19. (*PubMed Abstract*)\*
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  - Zhong Q, Li G, Gvozdenovic-Jeremic J, Greenberg ML. **Up-regulation of the cell integrity pathway in *saccharomyces cerevisiae* suppresses temperature sensitivity of the *pgs1Delta* mutant.** [J Biol Chem. 2007 Jun 1;282\(22\):15946-53.](#) Epub 2007 Apr 9. (*PubMed Abstract*)\*
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  - Khuchua Z, Yue Z, Batts L, Strauss AW. **A zebrafish model of human Barth syndrome reveals the essential role of tafazzin in cardiac development and function.** [Circ Res. 2006 Jul 21;99\(2\):201-8.](#) Epub 2006 Jun 22. (*PubMed Abstract*)\*

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- New** Claypool SM, Whited K, Srijumngong S, Han X, Koehler CM. **Barth syndrome mutations that cause tafazzin complex lability.** *J Cell Biol* 2011 Feb 7;192(3):447-62. 192:447-462. (*PubMed Abstract*)
- New** **Mouse model of Barth syndrome.** *SciBX* 3(47); Dec 9 2010. (*Nature Abstract*)\*
- New** Jalmar O, Garcia-Saez AJ, Berland L, Gonzalez F, Petit PX. **Giant unilamellar vesicles (GUVs) as a new tool for analysis of caspase-8/Bid-FL complex binding to cardiolipin and its functional activity.** *Cell Death and Disease* 1, e103 (2 December 2010). (*Nature Abstract*)<sup>▼</sup>
- New** Soustek MS, Falk D, Mah C, Toth M, Schlame M, Lewin A, Byrne B. **Characterization of a Transgenic shRNA Induced murine model of Tafazzin Deficiency.** *Hum Gene Ther.* 2010 Nov 23. [[Epub ahead of print](#)] (*PubMed Abstract*)<sup>▼</sup>
- New** Takahashi H, Hayakawa T, Ito K, Takata M, Kobayashi T. **Small-angle and wide-angle X-ray scattering study on the bilayer structure of synthetic and bovine heart cardiolipins.** *2010 J. Phys.: Conf. Ser.* 247 012021 (*Abstract*)\*
- New** Acehan D, Vaz F, Houtkooper RH, James J, Moore V, Tokunaga C, Kulik W, Wansapura J, Toth MJ, Strauss A, Khuchua Z. **Cardiac and skeletal muscle defects in a mouse model of human Barth syndrome.** *J Biol Chem.* 2010 Nov 9. [[Epub ahead of print](#)] (*PubMed Abstract*)\*

- New** Aljishi E, Ali F. **Barth Syndrome: An X-linked Cardiomyopathy with a Novel Mutation.** [Indian J Pediatr. 2010 Oct 28. \[Epub ahead of print\]. \(PubMed Abstract\)](#)
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- New** Hauff K, Hatch GM. **Reduction in cholesterol synthesis in response to serum starvation in lymphoblasts of a patient with Barth syndrome.** [Biochem Cell Biol. 2010 Aug;88\(4\):595-602. \(PubMed Abstract\)\\*](#)▼
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- New** Xu FY, McBride H, Acehan D, Vaz FM, Houtkooper RH, Lee RM, Mowat MA, Hatch GM. **The dynamics of cardiolipin synthesis post mitochondrial fusion.** [Biochim Biophys Acta. 2010 Aug;1798\(8\):1577-85. Epub 2010 Apr 29. \(PubMed Abstract\)\\*](#)
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