

## References

1. Gautam S, Sharma A (2002) Rapid cell death in *Xanthomonas campestris* pv. *glycines*. *J Gen Appl Microbiol* 48: 67-76.
2. Gautam S, Sharma A (2002) Involvement of caspase-3-like protein in rapid cell death of *Xanthomonas*. *Mol Microbiol* 44: 393-401. 2837 [pii].
3. Sezonov G, Joseleau-Petit D, D'Ari R (2007) *Escherichia coli* physiology in Luria-Bertani broth. *J Bacteriol* 189: 8746-8749. JB.01368-07 [pii];10.1128/JB.01368-07 [doi].
4. Syed AN (1998) Molecular mechanisms of plant pathogen interactions. Ph D thesis, Mumbai University .
5. Murphy MP (2009) How mitochondria produce reactive oxygen species. *Biochem J* 417: 1-13. BJ20081386 [pii];10.1042/BJ20081386 [doi].
6. Turrens JF (2003) Mitochondrial formation of reactive oxygen species. *J Physiol* 552: 335-344. 10.1113/jphysiol.2003.049478 [doi];jphysiol.2003.049478 [pii].
7. Liu W, Phang JM (2012) Proline dehydrogenase (oxidase) in cancer. *Biofactors* 38: 398-406. 10.1002/biof.1036 [doi].
8. Erental A, Sharon I, Engelberg-Kulka H (2012) Two programmed cell death systems in *Escherichia coli*: an apoptotic-like death is inhibited by the mazEF-mediated death pathway. *PLoS Biol* 10: e1001281. 10.1371/journal.pbio.1001281 [doi];PBIOLGY-D-11-02298 [pii].

9. Dwyer DJ, Camacho DM, Kohanski MA, Callura JM, Collins JJ (2012) Antibiotic-induced bacterial cell death exhibits physiological and biochemical hallmarks of apoptosis. *Mol Cell* 46: 561-572. S1097-2765(12)00349-8 [pii];10.1016/j.molcel.2012.04.027 [doi].
10. Sahoo S, Rao KK, Suraiskumar GK (2006) Reactive oxygen species induced by shear stress mediate cell death in *Bacillus subtilis*. *Biotechnol Bioeng* 94: 118-127. 10.1002/bit.20835 [doi].
11. Thomas VC, Sadykov MR, Chaudhari SS, Jones J, Endres JL, Widhelm TJ, Ahn JS, Jawa RS, Zimmerman MC, Bayles KW (2014) A central role for carbon-overflow pathways in the modulation of bacterial cell death. *PLoS Pathog* 10: e1004205. 10.1371/journal.ppat.1004205 [doi];PPATHOGENS-D-13-03034 [pii].
12. Mathew R, Karantza-Wadsworth V, White E (2007) Role of autophagy in cancer. *Nat Rev Cancer* 7: 961-967. nrc2254 [pii];10.1038/nrc2254 [doi].
13. DeBerardinis RJ, Thompson CB (2012) Cellular metabolism and disease: what do metabolic outliers teach us? *Cell* 148: 1132-1144. S0092-8674(12)00232-2 [pii];10.1016/j.cell.2012.02.032 [doi].
14. Liu Y, Borchert GL, Surazynski A, Hu CA, Phang JM (2006) Proline oxidase activates both intrinsic and extrinsic pathways for apoptosis: the role of ROS/superoxides, NFAT and MEK/ERK signaling. *Oncogene* 25: 5640-5647. 1209564 [pii];10.1038/sj.onc.1209564 [doi].

15. Phang JM, Donald SP, Pandhare J, Liu Y (2008) The metabolism of proline, a stress substrate, modulates carcinogenic pathways. *Amino Acids* 35: 681-690. 10.1007/s00726-008-0063-4 [doi].
16. Liu Y, Borchert GL, Donald SP, Diwan BA, Anver M, Phang JM (2009) Proline oxidase functions as a mitochondrial tumor suppressor in human cancers. *Cancer Res* 69: 6414-6422. 0008-5472.CAN-09-1223 [pii];10.1158/0008-5472.CAN-09-1223 [doi].
17. Hu CA, Donald SP, Yu J, Lin WW, Liu Z, Steel G, Obie C, Valle D, Phang JM (2007) Overexpression of proline oxidase induces proline-dependent and mitochondria-mediated apoptosis. *Mol Cell Biochem* 295: 85-92. 10.1007/s11010-006-9276-6 [doi].
18. Elmore S (2007) Apoptosis: a review of programmed cell death. *Toxicol Pathol* 35: 495-516. 779478428 [pii];10.1080/01926230701320337 [doi].