Hyperthermia and protein aggregation
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REFERENCES


Creighton, T.E., 1984, Proteins, structures and molecular principles. (Freeman, New York).


Dewey, W.C., Freeman, M.L., Raaphorst, G.P., Clark, E.P., Wong, R.S.L., Highfield, D.P., Spiro, I.J.,
In: Radiation Biology in Cancer Research, edited by R.E. Meyn, and H.R. Withers (Raven Press,
New York), pp. 589-621.


DiMaio, D., Treisman, R., and Maniatis, T., 1982, Bovine papillomavirus vector that propagates as a
plasmid in both mouse and bacterial cells. Proceedings of the National Academy of Sciences,
USA, 79, 4030-4034.

Di Virgilio, F., Steinberg, T.H., and Silverstein, S.C., 1990, Inhibition of fura-2 sequestration and

Dickson, J.A., and Calderwood, S.K., 1979, Effects of hyperglycemia and hyperthermia on the pH,
glycolysis, and respiration of the Yoshida sarcoma in vivo. Journal of the National Cancer Institute,
63, 1371-1381.

Dikomey, E., 1982, Effect of hyperthermia at 42 and 45°C on repair of radiation-induced DNA strand

Dikomey, E., and Franzke, J., 1992. Effect of heat on induction and repair of DNA strand breaks in X-

Dikomey, E., and Jung, H., 1988, Correlation between polymerase β activity and thermal
radiosensitization in CHO cells. In: Recent Results in Cancer Research, Vol. 109, edited by C.
Streffer (Springer Verlag, Berlin and Heidelberg), pp. 35-41.

Dikomey, E., and Jung, H., 1992, Effect of thermotolerance and step-down heating on thermal

Dikomey, E., and Jung, H., 1993, Correlation between thermal radiosensitization and heat-induced loss

825.

DiNocera, P.P., and Dawid, I.B., 1983, Transient expression of genes introduced into cultured cells of
Drosophila. Proceedings of the National Academy of Sciences, USA, 80, 7095-7098.

calcium stores by calcium ionophore A23187 induces the genes for glucose-regulated proteins in

Drummond, I.A.S., Livingstone, D. and Steinhardt, R.A., 1988, Heat shock protein synthesis and
cytoskeletal rearrangements occur independently of intracellular free calcium increases in
Drosophila cells and tissues. Radiation Research, 113, 402-413.

in intracellular pH and calcium observed during heat shock are not responsible for the induction of
heat shock proteins in Drosophila melanogaster. Molecular and Cellular Biology, 6, 1767-1775.

polymerases. Biochemical and Biophysical Research Communications, 76, 483-487.

Dubois, M.F., Hovanessian, A.G., and Bensaude, O., 1991, Heat-shock-induced denaturation of
proteins. Characterization of the insolubilization of the interferon-induced p68 kinase. Journal of
Biological Chemistry, 266, 9707-9711.

Initiation factor modifications and the inhibition of translation. Journal of Biological Chemistry, 259,
11882-11889.

synthesis. Molecular and Cellular Biology, 7, 1293-1295.

Duncan, R.F., and Hershey, J.W.B., 1989, Protein synthesis and protein phosphorylation during heat
stress, recovery, and adaptation. Journal of Cell Biology, 109, 1467-1481.

Dura, J.M., 1981, Hsp synthesis is induced only after treatment at blastoderm and later stages in
development. Molecular and General Genetics, 184, 73-79.

kd heat shock 'cognate' protein. Nucleic Acid Research, 15, 5181-5197.


Gupta, R.S., 1990, Sequence and structural homology between a mouse T-complex protein TCP-1 and the 'chaperonin' family of bacterial (GroEL 65 kDa heat-shock antigen) and eukaryotic proteins. *Biochemistry International*, 20, 833-841.


Hunt, C., and Morimoto, R.I., 1985, Conserved features of eukaryotic hsp70 genes revealed by comparison with the nucleotide sequence of human hsp70. *Proceedings of the National Academy of Sciences, USA, 82*, 6455-6459.


Kabakov, A.E., and Gabai, V.L., 1993, Protein aggregation as primary and characteristic cell reaction to various stresses. Experientia, 49, 706-710.


References


References


References


Ohtsuka, K., Masuda, A., Nishimura, S., and Nagata, K., 1990, A novel hsp40 kDa protein induced by heat shock and other stresses in mammalian cells. *Biochemical and Biophysical Research Communications*, 166, 642-647.


Pratt, W.B., 1990, Interactions with steroid receptors: organizing some diverse observations and presenting the newest concepts. *Molecular and Cellular Endocrinology*, 74, C69-C76.


References


Susek, R.E., and Lindquist, S., 1989, hsp26 of Saccharomyces cerevisiae is related to the superfamily of small heat shock proteins but is without demonstrable function. Molecular and Cellular Biology, 9, 5265-5271.


Ungewickell, E., 1985, The 70 kDA mammalian heat shock proteins are structurally and functionally related to the uncoating protein that releases clathrin triskelia from coated vesicles. EMBO Journal, 4, 3385-3391.


Yi, P.N., 1979, Cellular ion content changes during and after hyperthermia. *Biochemical and Biophysical Research Communications, 91*, 177-181.


