



DOWNLOAD



## Role of Hsp(s) in Chemotherapeutic Drug Resistance in Cancer Cells

By Sharma, Aanchal

Condition: New. Publisher/Verlag: Scholar's Press | Due to substantial technical improvements, clinical application of heat as a co-adjuvant in cancer treatment is acquiring new interest. The effect of hyperthermia on hepatoma cell lines Hep3B (p53 defective) and HepG2 (p53 wild type) when investigated led to an interesting observation that Hep3B cells are more susceptible to heat stress than HepG2 cells. In addition, heat-induced carboplatin resistance was observed in HepG2 cells only. To investigate the reasons, heat shock response was explored and it was observed that heat stress augmented heat shock protein 70 (Hsp70) expression levels in HepG2 and not in Hep3B cells. Furthermore, in HepG2 cells, induced Hsp70 is regulated by both p53 and heat shock transcription factor 1 (HSF1) wherein HSF1 levels are modulated by p53. The data implies that Hep3B are more susceptible to death upon heat stress than HepG2 cells because of non-induction of Hsp70. In addition, it was observed that inhibition of heat-induced p53 / HSF1 diminishes Hsp70 levels, thereby restoring the sensitivity of heat-stressed HepG2 cells to carboplatin-triggered cell death. | Format: Paperback | Language/Sprache: english | 88 pp.



**READ ONLINE**

[ 4.41 MB ]

### Reviews

*Completely essential read book. It is one of the most remarkable publication i have got study. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

-- **Santina Bogan**

*This pdf is great. I am quite late in start reading this one, but better then never. I am effortlessly can get a delight of looking at a composed publication.*

-- **Samara Hudson**

## You May Also Like



### **The Effect of SCM Challenges on the Performances of HAO**

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | HSC is the network created through the flow of services, supplies, information and finances between donors, beneficiaries, suppliers and different units of HAO, in order to provide physical aid to beneficiaries. Both the number...



### **Associations between Hyperopia and Other Refractive and Visual Errors**

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Refractive error is a very common eye disease. This study was developed in order to clarify the prevalence of hyperopia and their associations with amblyopia, strabismus, anisometropia and astigmatism in pediatric ophthalmology service of...



### **Turkey - A regional power? The Case of Turkish Foreign Policy**

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | The manuscript comprises an analysis of Turkish foreign policy its roots, evolution and current state. The theoretical part encompasses description of foreign policy analysis as well as soft power theory. The next chapter is...



### **Flexible Decoder for LDPC Codes**

Condition: New. Publisher/Verlag: AV Akademikerverlag | A technique to attain desirable trade-off between performance and complexity | Revision with unchanged content. Recent advances in coding theory have uncovered the previously forgotten power of LDPC codes. Their popularity can be related to their...



### **Binary Integer Optimization Problems**

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Implementation of a Branch and Bound Algorithm to Solve Binary Integer Optimization Problems | Many problems that arise in manufacturing and socio-economic systems, such as machine scheduling, vehicle routing, resource management, and telecommunications network...



### **Theory of WiMAX**

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Understanding WiMAX, VoIP traffic scheduling in WiMAX Network | WiMAX technology is presently one of the most promising global telecommunication systems. Great hopes and important investments have been made for WiMAX, which is a...