

**Answers to the questionnaire relative to the Cancer Project Comparison table
Leonardo da Vinci Prize – University of Pavia**

- a) Cancer research title:
Gentle Electrotherapy to Inhibit a Pivotal Enzyme - Ribonucleotide Reductase (GEIPE-RR) -- A Low-cost & Effective Cancer Treatment
- b) Principal Investigator – P.I. (Researcher proposing the research)
Jay Kulsh
- c) Category
I. Category 1 ___fundamental research (long term results available more than ten years from now) or
II. Category 2 X immediate application (results in reduction in cancer deaths and cost in less than 10 years)
- d) Estimated percentage of lives saved annually from premature (< 75 years of age) cancer death
15 %
- e) Scientific arguments supporting estimate (provide website or email address)
The GEIPE treatment, once optimized, should be able to effectively treat most cancers which are at or near the surface. Such visible/feelable tumors account for at least 20% of all tumors. (www.cancer-treatment.net)
- f) Cost per life saved compared to the current costs
Less than 1/5th (20%)
- g) Total cost of the project
US\$ 100,000 or perhaps less (with cooperation from a cancer clinic)
- h) Estimated date of results from the time full funding is provided
1 year
- i) Results Measurement Plan showing how estimates can be verified experimentally. (For example: a safe test on a representative sample of 10,000 people ages 50-75, selected from a population in a location with a constant cancer death rate of 50 deaths per year recorded over the previous 20 years). (provide website or email address).
Since this project is not about detection but about an effective inexpensive treatment of cancer, measuring results will be much easier as we can simply compare life-expectancy of treated and untreated patients. (GEIPE@Cancer-treatment.net)

Note: This project does not offer to provide ‘an efficient solution in particle detection targeted to early cancer diagnosis’. However, it meets your greater objective of having ‘higher impact on premature cancer death reduction’ – and at very low cost.

