

Nanotechnology and Oncology
By Lon Wilson

I think a program which targets cancer with various nano tech- technologies (including, but not limited to, gold and carbon--both currently Rice's strengths) for the detection and treatment of cancer would be a theme worth considering strongly. This theme might be further refined to target the most deadly of cancers (pancreatic and brain among others) that have defied significant progress over the last 3-4 decades. While this is a rather "obvious idea" because Rice already has some wonderful individual research programs in this area in conjunction with the TMC, I think a more unified and coordinated effort could yield vastly improved success and visibility for all. I must admit that this suggestion is also somewhat self-serving because I already have a program in this area (with the Steven Curley group at Baylor which employs external, full-body-penetrating radiofrequency fields and various nano particles), but it is a theme that already exists in various other quarters at Rice too--- and a theme that simply begs for a more unified and focused effort by all.