Many of you will drop your NIH application in the fedex box, and wave it bye-bye, much like a small child placing a boat in a fast moving creek. Six months later, if you don't have a good mentor, or if you haven't done this before (or even if you have done this before), you can get terrible news. I'm going to retrace your steps with you, repeating often used sayings from the peer review process to remind you of things not to do. I'm going to show you when and how to intervene and steer the process, what to do and not to do in writing a grant application, and for young investigators, I'm going to present a smorgasbord of applications for which you, and you alone, are eligible. Lastly, we'll throw in a few websites, some understanding of scoring grants, and remind you of the many uses of the SBIR program.