Dr. Ronald L. Rardin is a Professor of Industrial Engineering at Purdue University who is currently on a rotator assignment as Director of the Operations Research and Service Enterprise Systems programs at the National Science Foundation. In that capacity he is actively involved in the NSF Engineering Directorate's growing interest in Biomedical and Health Deliver Systems engineering research. In this talk he will provide a brief overview of NSF grant processes and the kinds of activities currently underway in the area of medical physics, including various topics in imaging and research on optimizing radiation therapy delivery.