Research Plan

I consider myself basically a function theorist who has branched out into partial differential equations, harmonic analysis, and quasi-regular mappings in space. Many of the problems I look at in these areas are related to or inspired by problems in function theory. However the different areas often require quite different methods for solving similarly stated problems. So I have had to learn a lot of new mathematics in order to have success in solving some of these problems. I hope to continue doing research in these areas for many years to come. As far as research plans, I have a stack of papers (continually growing) on my desk which I would like to have time to read. I correspond with about 10 people on a regular basis and we send papers back and forth. We have a team approach toward solving problems and we often attend the same meetings, etc. Generally I read a paper and then get very involved in thinking about it. If it is a good paper I am often very jealous of the result, probably because I have a big ego. My ego is hurt that some other ego could be smarter than it so either I try to give my own proof of the main theorem in the paper or try to generalize it, etc. Occasionally I succeed in this approach and it leads to a new insight or avenue of research.