

Team Science Research Portfolio - Example

As a member of the Translational Pathology Center, I have engaged in collaborative research with numerous investigators at the University of Michigan. My research is focused on understanding large scale data sets derived from clinical samples with IRB approved studies of human cancers. My collaborators are both basic and clinician scientists that focus on disease pathogenesis and identification of disease associated gene signatures. To this end, my expertise has a central role in the identification, characterization, and differential expression of gene profiles that are specific to colon, prostate and breast cancer. The analyses of these large data sets and clarification of complex expression patterns have been utilized for publications in top tier journals including *Nature Medicine*, *Cancer Cell*. Etc., as indicated on my CV. While I was not the lead or senior author on many of these publications, I played a major role in the experimental design, the designation of which patient samples were required, directing the analyses of the samples, and interpreting the data for the conclusions. This has been summarized in the accompanying letters from my collaborators.

In addition to directing the analyses of these collaborative projects, I have also assisted in the transfer of technology to numerous laboratories that needed training in this area of research. Due to the transfer of this knowledge and technology, the laboratories I've assisted have gone onto securing significant grant funding. While I am a co-Investigator on these grants, my expertise is centrally required for the analyses and conclusions reached within the research and therefore essential to the success of the project. My own independent funding is presently based upon smaller grants and as a PI (or co-PI) in projects related to the ongoing research in larger clinical studies. Thus, as a team scientist I have not only effectively supported the successful research of others, I have also helped to secure my own funding related to my specific expertise. This has led to a very fruitful and successful Team Science approach to these research areas where large teams of clinicians and scientists must merge their expertise to draw valuable and appropriate conclusions that have led to paradigm shifting publications.