



Daotai Nie

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- 1. What are your current 3 main areas of research?**
 - Prostate tumor initiation, progression, and metastasis
 - Cancer drug resistance
 - Aberrant cellular signaling in tumor cells for targeted intervention
 - 2. What are the top 3 areas of expertise/tools you are looking for in a research collaborator?**
 - Compound libraries for screening inhibitors of aberrant tumorigenic signaling
 - Modification, synthesis, and formulations of lead compounds identified
 - Analytical analyses of lipids and metabolites using HPLC-MS-MS and GC-MS
 - 3. What 3 skills/tools that you have access to are you willing to share with a potential research collaborator?**
 - Genomic editing tools through CRISPR technologies to knock out, suppress, or activate genes of choice
 - In vitro and in vivo evaluations of potential anti-cancer drugs
 - Molecular cloning, sub-cloning, mutagenesis, and various other molecular biology technologies