
Ataxia-Telangiectasia (A-T): A grant of \$116,172 has been made possible by Team Derek's Dreams and the A-T Children's Project to develop a brain-penetrant positron emission tomography (PET) tracer that binds to the ATM protein. A PET tracer will have tremendous value in neuroimaging in a clinical trial setting to confirm that a gene therapy approach has succeeded in producing protein in the brains of otherwise ATM-null patients, and in a preclinical setting as a powerful research tool for connecting ATM expression levels to downstream physiologic and functional MR metrics (diffusion, connectivity, blood flow, etc.).