



Pipeline of hope

John Trent, Ph.D., and his colleagues are developing promising drug therapies and rapidly moving them from the lab to the clinical setting, where they can benefit cancer patients. Three of the drugs discovered in Trent's lab with Brown Cancer Center collaborators are coming down the pipeline fast. Trent is targeting many different types of cancer, including one of the deadliest: renal cell carcinoma.

By teaming with Kentucky DataSeam Initiative, a non-profit organization that harnesses unused computing power in more than 50 school districts across Kentucky, the Trent lab speeds the cancer drug development process. When the computers are not in use by students, they are churning through data to produce useful information for Trent and his team as they work to discover and develop new drug compounds. The computer grid allows Trent to shorten the time required to sort through potential compounds from years to days.

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