Safe, effective and non-addictive drugs to treat pain, mitigate addiction and reverse overdose are key to addressing the opioid crisis. NCATS is therefore announcing:

**NCATS A Specialized Platform for Innovative Research Exploration (ASPIRE) Design Challenges for Translational Innovation in Pain, Opioid Use Disorder and Overdose**

**Challenge 1:** Integrated Chemistry Database

**Challenge 2:** Electronic Synthetic Chemistry Portal

**Challenge 3:** Predictive Algorithms

**Challenge 4:** Biological Assays

**Challenge 5:** Integrated Solution

**Why should you participate?**
- You are innovative and always ready to “jump off cliffs and learn how to make wings on the way down.”*
- The prize purse for each challenge is $500,000 ($2,500,000 total); up to five winners will receive $100,000 (Challenges 1-4), and up to two winners will receive $250,000 (Challenge 5).

For more details and to sign up for email updates, visit [https://ncats.nih.gov/aspire/challenges](https://ncats.nih.gov/aspire/challenges). Email questions to ncatsaspirechallenge@mail.nih.gov. Join the conversation on social media using #NCATSASPIRE.

* R. Bradbury and K. Vonnegut