What do you ASPIRE to?

Are you interested in developing novel solutions to the opioid crisis?

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

Challenge 3: Predictive Algorithms

Learn more about this Challenge to design advanced machine learning algorithms to facilitate the discovery of novel, effective and nonaddictive analgesics or treatments for drug abuse.


- Up to five winners will each receive $100,000.
- Explore other Challenges around biological assays and novel chemistries.
- Email questions to NCATSASPIREChallenge@mail.nih.gov.
- Join the conversation on social media using #NCATSASPIRE.

These Challenges, led by the National Center for Advancing Translational Sciences (NCATS), National Institutes of Health (NIH), are a component of the NIH HEAL (Helping to End Addiction Long-term℠) Initiative: https://www.nih.gov/heal-initiative. For more information on NCATS’ role in the NIH HEAL Initiative℠, visit https://ncats.nih.gov/heal.