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WIP: 2022

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Content

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Outline

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Report Card

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Project	Milestones	Difficulties	Funded	Collaboration
Identify novel opioid addiction treatments from social media	Nothing published		Topic of DP5, CDRMP	
Estimating sublethal 2,4-DNP use from social media	Nothing published	In between CS and medicine		
Developing a clinical decision tool to identify non-canonical presentations of opioid agonist toxicity	Nothing published			
Developing a neural network to classify the structure of novel psychoactive substances as primarily (opioid, phenethylamine, tryptamine, cannabinoid, or benzodiazepine)	Nothing published			
Identify previously unknown adverse effects from COVID-19 therapeutics	1 review published, 2 pre-accepted	ACMT data collection not rigorous enough to allow for original research	Yes, by FDA	FDA, ACMT
Developing an ontology of pediatric poisoning	Nothing Published	Bandwidth	No	Yes, Lyon

Who I work with

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Andrew Moreno (WCM Class of 24, AOC): Decision Tool

Abdel Abdelati (NYP-Qatar, Class of 24): DNP

Ciara Balanzá (High School): Neural Network

Stefan Bartell, PhD: Drug Discovery, Ontology

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Preliminary Data

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1 Intro

2 Novel addiction treatments from social media

3 2,4-Dinitrophenol

4 Clinical Decision Tool for Novel Synthetic Opioids

5 Predicting SAR of Novel Substances

6 Identifying rare adverse events from COVID Therapeutics

7 Apply AI to Pediatric Poisoning

Tracking Grid

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make table

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References

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References can be used with the `BibTeX` commands [**?**]. The list of references will be shown at the end of the presentation with the preferred style.

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