

**2023 America's Got Regulatory Science Talent Competitions  
Presentation Abstracts & Student Biographies**

<b>University of Rochester</b>	
<b>1<sup>st</sup> Place Team</b>	“FoodTrace AI” An artificial intelligence to predict and rapidly identify foodborne illness outbreaks.
<b>Team Members</b>	Daniel Farchione and Justin Jablonski
<b>Presentation Abstract</b>	Identification of foodborne illnesses and contamination outbreaks can be data-intensive, and the FDA must quickly confirm and correlate reports of sickness to discover the source of the outbreak and must trace supply chains to predict other locations at risk. Gathering and analyzing such large amounts of data can be difficult, and may take longer than the course of the disease itself. Thus, it is important to identify and predict these outbreaks faster. FoodTrace AI is an artificial intelligence that would be trained to identify and correlate reports of foodborne illnesses from a variety of sources (such as news reports, FDA reports, social media posts, distribution chains, etc.) to predict outbreak patterns and identify sources of likely contamination faster than current methods.
<b>Team Member Bios</b>	
<b>Daniel Farchione</b>	I received my bachelor’s degree from Alfred University in biomaterials engineering. During my time there, most of my work focused on bioactive materials focused on the regeneration of bone and cartilage. I am now currently working towards my master’s degree in biomedical engineering from the University of Rochester’s Center for Medical Technology and Innovation Program (CMTI). Aside from this, I like to spend my free time skiing during the winter, and hiking during the summer.
<b>Justin Jablonski</b>	I am a first-year Biomedical Engineering PhD at the University of Rochester, currently also enrolled in the coursework for the University’s Center for Medical Technology and Innovation (CMTI) Masters program. My research rotations have mostly focused on the musculoskeletal system, while I have cardiovascular experience from my CMTI project and a previous internship. In my free time I enjoy hiking, and as a hobby I keep and raise a variety of exotic plant and animal species.