



About our guest
Christian Cobaugh, PhD
Co-Founder and CEO
Vernal Biosciences

SPEAKING OF **MOL BIO**

Therapeutic nucleic acids— a CDMO's view on mRNA

Season 2, Episode 8

Episode notes

While some of us knew a good bit about mRNA prior to 2020, we all got a crash course on mRNA technology and its prophylactic and therapeutic potential as a result of the COVID pandemic and subsequent SARS CoV-2 vaccine development. In fact, most of us have now received at least one mRNA vaccine at this point.

Our guest for this episode, Dr. Christian Cobaugh, Co-founder and CEO of Vernal Biosciences, was a passionate believer in mRNA medicines well before the pandemic. Join us to hear his story and his passion for this technology. He walks us through the molecular methods by which high-purity mRNAs are now made and purified, as well as going into the lipid nanoparticle technology by which they're commonly delivered. As a contract development and manufacturing provider, we get to learn about the state of the market and what clients of their care about today. As a seasoned expert in this space, Christian talks about the future potential of mRNA technology for applications such as personalized cancer vaccines.

If you enjoy hearing smart people talk about interesting topics with a passion, you won't want to miss this episode!

“... I'm passionate about mRNA medicines, and democratizing access to these. You know, I live with the conviction that mRNA medicines are going to change the health of the world for the better.”

■ To access this and other episodes,
visit thermofisher.com/molbiopodcast

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. **For Research Use Only. Not for use in diagnostic procedures.** It is the responsibility of the final formulator or end user to determine suitability and to qualify each Product Use. © 2024 Thermo Fisher Scientific Inc. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. **07_2024**