## A Journey Through the Biopharmaceutical Industry

Ken Miller

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**Disclaimer**: "This presentation reflects the views of the presenter and should not be construed to represent those of BioMarin Pharmaceutical, Inc."



**Ken Miller** 

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## Beginning in Academia – 1985 to 1996



B.S. in Biochemistry



Ph.D. in Biological Sciences



Postdoctoral Fellow in Dept. of Microbiology

## Moving Beyond Academia – 1995 to 2004



Postdoctoral Fellow, Dermatology Drug Discovery



Application Scientist & Technical Support Manager

## Building a Career in Biopharma – 2004 to Present



# Developing Assays for Lot Release & Characterization of Clinical Products

#### **WCBP 2007**

"Development of a Host Cell Protein Assay Using Surface Plasmon Resonance Technology"

#### WCBP 2008

"Development of a Novel Surface Plasmon Resonance Biosensor Assay for the Simultaneous Characterization of Antigen Binding and Fc Receptor Binding"

#### **WCBP 2010**

"Development and Qualification of an SPR-Based Assay for Lot Release and Stability Testing"

## Leading a CMC Analytical Team During Development



## Managing Bioassay Life Cycle Post-Licensure





## Fighting a Global Pandemic – COVID-19





## **Ensuring Shelf-Life of Marketed Products**

















### Developing the Next Generation – 2021 to ???



BTEC/ENCH 664: Quality Control & Quality Assurance for Biotechnology Products

