Biomarker Assay Development and Application, Advanced Topics





Matthew Blatnik



Brendan Tierney

Biomarkers, Best Practices, and Regulatory Guidance

A Biomarker is a measurement, observation or indicator of normal or disease processes, their progression and response to intervention



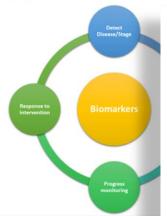






INTERNATIONAL COUNCIL FOR HARMONIS

REQUIREMENTS FOR PHARMACEUTICAL



List of Cleared or Approved Compani Devices (In Vitro and Imaging

Below, you would find a sortable and searchable table that lists all active

A companion diagnostic device can be in provides information that is essential for product.

The use of an IVD companion diagnostic of the diagnostic device, either including products, a specific group of oncology th industry Developing and Labeling In vit Oncology Therapeutic Products). In add stipulated in the labeling of the therapeu equivalents and biosimilar equivalents of

Some devices have indication for a specidetailed information can be found in a se

For a list of all FDA cleared or approved

Please submit any questions to DICE@f

Bioa Method

Guidan Technical Spe

For questions regarding thi

Regulations: Good Clinical Practice and Clinical **Trials**

FDA Regulations Relating to Good Clinical Pract **Clinical Trials**

- . New Animal Drugs for Investigational Use (21 CFR Part 511) . New Animal Drug Applications (21 CFR Part 514)

BIOANALYTICAL METHOD VALIDATION AND STUDY SAMPLE ANALYSIS M10

ICH HARMONISED GUIDE

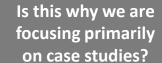
Final version Adopted on 24 May 2022 **Institutional Review Boards Frequently Asked** Questions

Guidance for Institutional Review Boards and Clinical Investigators

Office of the Commissioner Office of Clinical Policy and Programs. Office of Clinical Policy. Office of Good Clinical Practice

That's right Mara, but we need to be aware these topics exist and how they influence our

Wow, there is so much to consider!



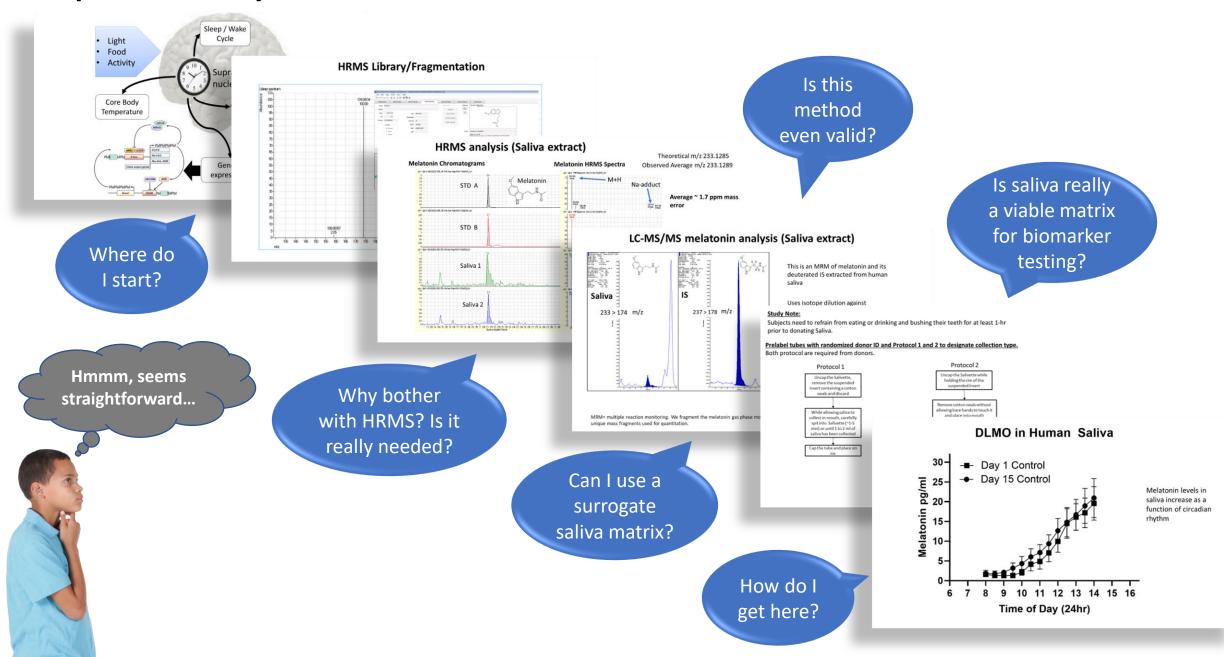
U.S. Department of Health and Human Services Food and Drug Administration Center for Drug Evaluation and Research (CDER)

> September 2019 Technical Specifications

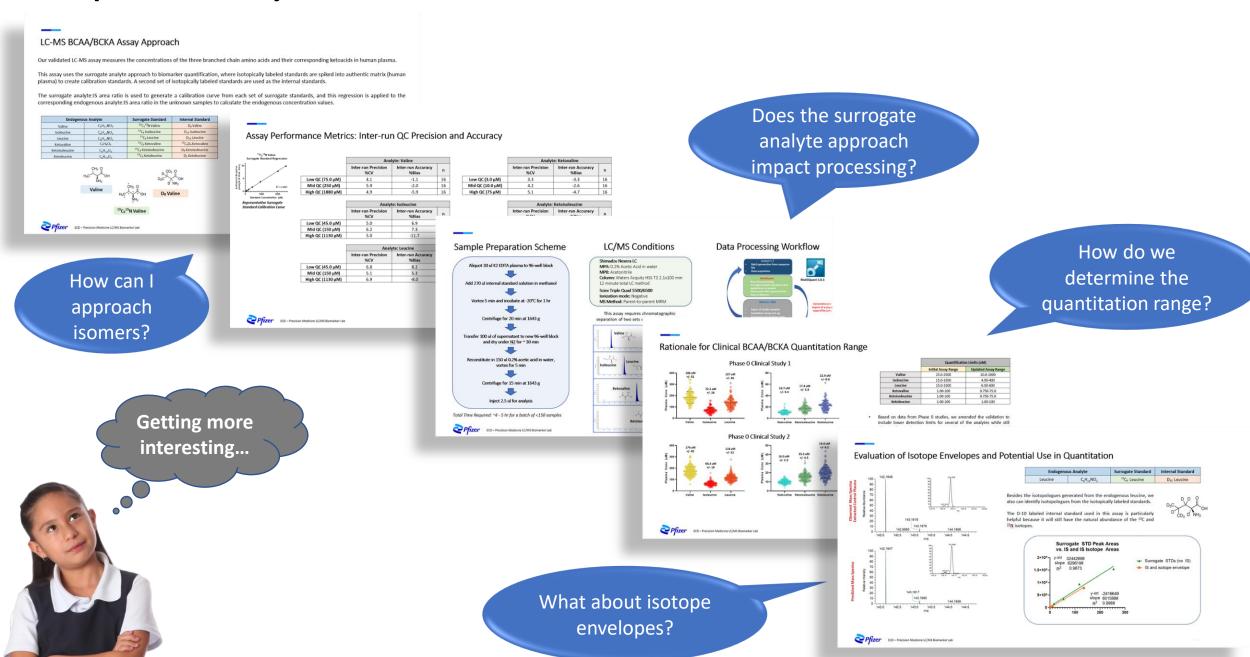
The case studies will help us explain how regulatory and general scientific topics relate to building and testing MS based



Example Case Study: Quantitation of Melatonin in Human Saliva



Example Case Study: Quantitation of Branched Chain Amino Acids and Keto-Acids



Example Case Study: Quantitation of Glucocerebrosidase Activity from Dried Blood



this clinically?

That's it? But there is so much more to these......



Pavan, did you see how much they crammed into a few slides?



I did and I can't wait to take this course!



