

HEAL Pain Strategic Planning

Subcommittee Co-Chairs:

Yenisel Cruz-Almeida, MSPH, PhD &
Vivianne Tawfik, MD, PhD

BIOMARKERS & PREDICTORS SUBCOMMITTEE

PUBLIC VIRTUAL SESSION

WEDNESDAY, NOVEMBER 6TH, 2024

Biomarkers & Predictors Subcommittee

- Sandip **Biswal**, MD – University of Wisconsin
- Susan **Dorsey**, PhD, RN, FAAN – University of Maryland
- Aaron **Fields**, PhD – UC San Francisco
- Peter **Grace**, PhD – MD Anderson Cancer Center
- Sean **Mackey**, MD, PhD – Stanford University
- Christin **Veasley** (PWLE) – Co-Chair NIH ENGAGE & HEAL initiative committees
- Christine **Von Raesfeld** (PWLE) – NIH All of Us Program (& many others)
- Tor **Wager**, PhD – Dartmouth College

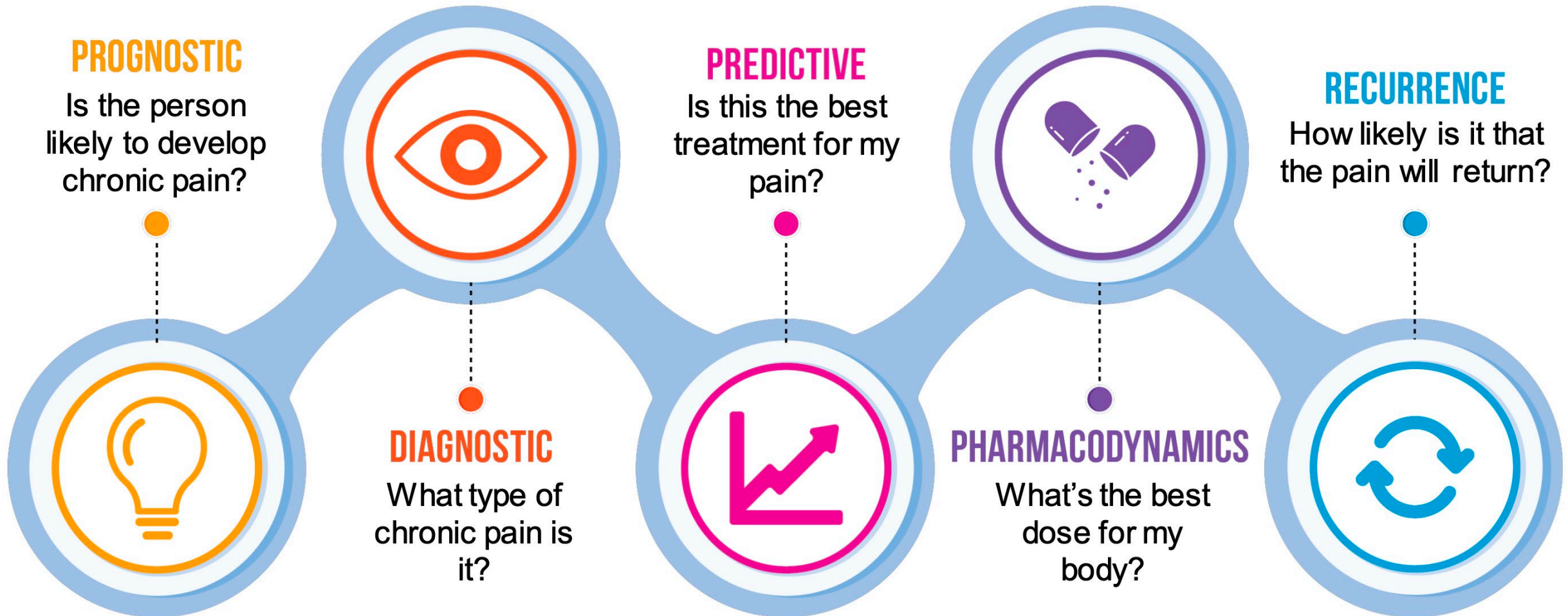
Definition of Biomarkers

A defined characteristic that is measured as an indicator of normal biological processes, pathogenic processes, or biological responses to an exposure or intervention, including therapeutic interventions.

- molecular,
- histological,
- radiographic, or
- physiological characteristics.

FDA-NIH Biomarker Working Group. BEST (Biomarkers, EndpointS, and other Tools) Resource [Internet]. Silver Spring (MD): Food and Drug Administration (US); Bethesda (MD): National Institutes of Health (US); [last updated 2021 Nov 29].

Types of Biomarkers



The Importance of Biomarkers

- Understand pain mechanisms
- Improve clinical trial design:
 - Identify and select appropriate patients
 - Monitor treatment efficacy
 - Develop surrogate endpoints

The Importance of Biomarkers

- Personalized Pain Management:
 - Identifying different pain subtypes
 - Predicting treatment response
- Development of safer and more effective pain therapies-not addictive:
 - Identifying new targets
 - Monitoring safety and efficacy of novel therapies.

HEAL Workshop 2024

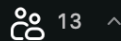
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Q&A to ask questions
to panelists



Audio



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Participants 13



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15-Minute Break



Meeting resumes at 3:00 PM ET