





PDS and EMD established GOBDA to further identify and support patient-centric innovation and **COllaboration** by leveraging data and technology

#### **GOBDA Mission:**

Connect and empower the oncology community with big data and advanced analytical capabilities to accelerate discovery, development and delivery of innovative treatment to cancer patients.



## **Open-access** data platform

- Provides access to 150+ trials of 120K+ global patient level data
- Continues to incorporate NCI trials and health economics data



### Rare tumor data commons

- Provides insights on efficacy and safety data in rare tumors
- Sheds light on novel end-points



- Allows pooling safety data across tumor types and therapies
- Provides a foundation of big data analysis on the safety signals

#### PDS Merkel Cell Carcinoma (MCC) Registry

multi-institutional collaborative effort: academic medical centers, the drug industry, NIH, and FDA

PDS provides a secure, open-access data sharing platform designed to optimize research and yield rigorous and timely results

prospectively define, follow, and record outcomes and events

real world outcome data in real time

balance between large detail-lacking DBs (e.g., NCDB) and small single institution DBs (e.g., MD Anderson, MOFFITT)

# Global Oncology Big Data Alliance (GOBDA) Scientific Research Programs of GOBDA



<u>Prostate Cancer DREAM Challenge</u>: Data from multiple prostate cancer trials, provided by multiple sponsors, pooled and investigated to **develop new prognostic and treatment models for patients** 



External Control Arm Program: Data from multiple Small Cell Lung Cancer trials (to start), provided by multiple sponsors, pooled and investigated to develop external control arms to reduce the number of patients needed for individual trials and to enable more patients to receive experimental treatments



<u>Immune-Related Adverse Events Program</u>: Data from multiple treatment centers, and multiple clinical trials, pooled and investigated to bring sufficient immunology data together to **better understand the risk associated with this remarkable new treatment class** 



Rare Tumor Registries Program: Data from multiple treatment centers, and multiple clinical trials, pooled and investigated to **bring sufficient data together to better understand**these rare cancers



<u>Images and Algorithms Program</u>: Imaging data from multiple cancer trials, provided by multiple sponsors, pooled and investigated to **develop machine learning algorithms that will improve** clinical trial execution