



AGENDA

March 23 and 24, 2023
2023 Research Roundtable for Epilepsy
Biomarkers

DAY 1 – Thursday, March 23, 2023

9:00 – 9:20am Meeting Welcome & Updates

9:00am	Welcome, Meeting Goals, and Deliverables	Drs. Jacqueline French and Nathan Fountain
9:10am	Updates on Previous RRE Topics	Drs. Jacqueline French and Nathan Fountain

9:20 – 9:55am 2023 Challenge and Overview

9:20 - 9:35am	Biomarkers for Regulatory Use	Dr. Teresa Buracchio
9:35 – 9:55am	Industry Perspective-Epilepsy	Dr. Aneeta Saxena

9:55 – 10:25am Patients & Family Partners Impact Panel

**Alison Zetterquist
Nicole Murray
JayEtta Hecker
Moderator: Caitlin Grzeskowiak**

10:25 – 10:40am BREAK

**10:40–12:00pm Session I: General Discussion on Biomarkers/
Defining Biomarkers**

Moderator: Dr. Nathan Fountain



10:40 -11 am	The Use of Neuroimaging in Multiple Sclerosis Development Programs	Dr. Paul Lee, FDA
11 – 11:15am	Industry Perspective: What have we learned from other disease areas	Dr. Lee Honigberg
11:15 - 11:30am	Biomarkers in Clinical Epilepsy	Dr. Jacqueline French
11:30 – 12:00pm Open Discussion		

12:00-12:45 pm LUNCH

	Session II: Evidence for biomarkers in epilepsy	Moderator: Dr. Dan Friedman
12:45 –3:30 pm	EEG biomarkers: 12:45 – 1:00 Use of IIEDs 1:00 – 1:15 Use of background EEG 1:15 – 1:30 RNS long episodes 1:30 – 1:45 Electrographic seizures	Drs. Jeff Buchhalter, Thadd Reeder, Nathan Fountain, Nick Abend
1:45 – 2:15 DISCUSSION		
Systemic biomarkers: 2:15 – 2:30 Neuroimaging: MRI 2:30– 2:45 Genetic biomarkers 2:45 – 3:00 Serum 3:00 – 3:15 TMS		Drs. Alon Friedman, Sanjay Sisodiya, David Henshall, Alex Rotenberg
3:15 – 3:30 Discussion		

3:30 – 3:45 pm BREAK

3:45 –5:00 pm	Session III: Case Examples with Development Implications - Potential Use Cases	Moderator: Dr. Jacqueline French
3:45 – 4:30pm	3:45 – 4:00PM EEG Interictal Epileptiform Discharges ○ CSWS case example 4:00 – 4:15PM EEG novel analysis 4:15 – 4:30PM EEG “long episodes” of suspicious EEG (RNS)	Drs. Sudha Kessler, Thadd Reeder, Dan Friedman
4:30-5 PM Open Discussion		



DAY 2 – Friday, March 24, 2023

9:00 – 9:30 am	Session III Continued: Case Examples with Development Implications	Moderator: Dr. Nathan Fountain
	9:00 – 9:15 Biomarkers of Inflammation 9:15 – 9:30 PTE Biomarkers: quo vadis?	Drs. Manu Hegde, Pavel Klein
9:30 – 9:50 am	Machine Learning/AI to develop biomarkers	Dr. Jacob Donoghue
Session IV 9:50-10:45	Discussion and Conclusions of Main Agenda 9:50 – 10:45 Conclusions	Drs. Jacqueline French & Nathan Fountain
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10:45 – 11:00am	BREAK	
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11:00am– 11:55pm	Session IV: Hot Topic: Remote Outcomes Assessment	Moderator: Caitlin Grzeskowiak
11:00 – 11:05am 11:05 – 11:20am	Setting the Stage Typical assessments in epilepsy studies	Drs. Jacqueline French and Nathan Fountain
11:20 – 11:35am	Industry perspective with case example	Dr. Svetlana Shore
11:35 – 11:55am	Patient impact	Terry Jo Bishell JayEtta Hecker Anna Williams
11:55-12:25	General principals, scales and measurements, and advantages	Presenter(s): Dr. Michelle Campbell, FDA
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12:25 – 1:25pm	LUNCH	
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1:25 – 2:30pm	Open Discussion	
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2:30pm	Adjourn	
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