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CONTINUING MEDICAL EDUCATION

## Topological Neuroscience to Study Brain Connectivity Networks and its Applications in Epilepsy – 39630-39559

Date: November 25, 2019

Time: 8:00 AM-9:00 AM

*Satya Sahoo, PhD*

### Educational Objectives

At the conclusion of this activity, the participant should be better able to:

- 1 Review of algebraic topology as a method for characterizing brain connectivity network
- 2 discuss interpretation of topological structures in the context of seizure onset and propagation
- 3 Review of topological structures underlying epileptic networks detected using homology method

### Accreditation and Credit Designation Statements

Case Western Reserve University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Case Western Reserve University School of Medicine designates this live activity for a maximum of 1.00 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Disclosures:

This activity's planners and speaker have made the following disclosures:

Name of individual	Individual's role in activity	Name of commercial interest/Nature of relationship
Naiara Garcia-Losarcos, MD	Faculty Planner	Nothing to disclose
Satya Sahoo, PhD	Faculty	Nothing to disclose - 09/12/2019