



# CALL FOR PAPERS

**ICSMESB 2020**  
**Mar 02-03, 2020**  
**Rio de Janeiro, Brazil**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICSMESB 2020 : International Conference on Systems Metabolic Engineering and Synthetic Biology is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Systems Metabolic Engineering and Synthetic Biology. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Metabolic pathway engineering  
New metabolic pathways for valuable products  
Metabolic pathway optimization  
Synthetic biology tools for metabolic engineering  
Systems metabolic engineering  
Enzyme engineering  
High throughput technologies for metabolic engineering  
Subcellular metabolic engineering  
Metabolic engineering in non-model organisms  
Transcriptional regulation of metabolic pathways

Multivariate-modular metabolic pathway engineering  
Biosensors for metabolic engineering  
Cell consortia metabolic engineering  
Directed evolution for strain improvement  
Computational modeling for pathway engineering  
Biochemical engineering  
New methods in biochemistry, molecular biology, or microbiology for metabolic pathway engineering  
Combinatorial pathway engineering  
Multiplex metabolic pathway engineering  
Refactoring natural product and other metabolic pathways