

18th Special seminar on The IDEC Institute, 9th PHIS Seminar

Date: April 28th, 2023, 14:00~

Place: Hiroshima University, Graduate School of
Advanced Sciences of Matter Build, 6F Seminar room

Online:

**Title: Clinical and biochemical analysis of
Brazilian volunteers with obesity-associated
comorbidities.**

Name: Dr. Eidy de Oliveira Santos



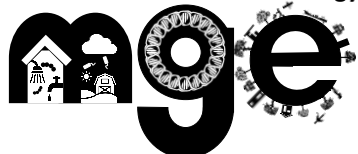
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Abstract

Obesity is characterized as a non-contagious chronic inflammatory disease that can also induce other comorbidities such as hypertension, type 2 diabetes mellitus, metabolic syndrome, cardiovascular and periodontal diseases. It is currently classified as a worldwide epidemic, caused both by genetic factors and by people's lifestyle. Some studies correlate various metabolic diseases to changes in the human proteomic and microbiota profiles. My group has been studying the diversity of bacteria of saliva, as well as salivary and plasmatic proteomes from Brazilian volunteers with Gingivitis, Metabolic Syndrome and Type 2 Diabetes. Our main objective is to detect potential biomarkers for these comorbidities in this local population of Rio de Janeiro. A total of 121 volunteers were analyzed, indicating several potential biomarkers, which may help in the future in the diagnosis of these diseases, along with other clinical parameters already used today.

Microbial Genomics and Ecology



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