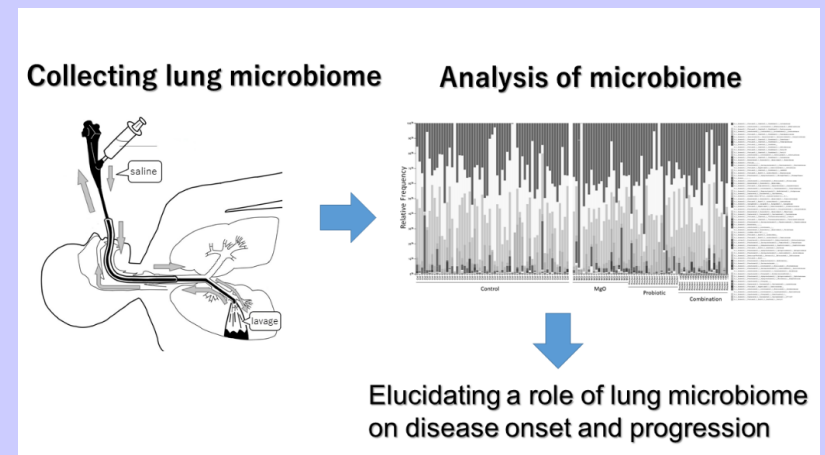# Study on Microbiome in Lung Disease
(Associate Prof. Osamu Nishiyama, nishi-o@med.kindai.ac.jp)

Research Area

1. Identification of lung microbacteriome in various lung diseases .
2. Elucidating an association between lung microbacteriome and disease onset.
3. Elucidating an association between lung microbacteriome and disease progression.
4. Developing a methods for identifying lung microvirome and micobiome.

Collecting lung microbiome

saline

lavage

Analysis of microbiome

Elucidating a role of lung microbiome on disease onset and progression

Recent Activities

➤ Clinical Features and Outcomes of IPF Patients Hospitalized for Pulmonary Infection: A Japanese Cohort Study. PloS one 11(12) e0168164, 2016

➤ *Helicobacter pylori* and gut microbiota in multiple sclerosis versus Alzheimer 's disease: 10 pitfalls of microbiome studies. Clinical & experimental neuroimmunology 8 (3) 215–232 2017