

## **Makoto Suematsu, MD, PhD**

March 1983

Graduated from Keio University School of Medicine (MD)

1984-1988

Post-graduate School, Keio University School of Medicine (PhD)  
(Gastroenterology and Microvascular Physiology)

May 1991

Bioengineer Step IV, Institute for Biomedical Engineering,  
University of California San Diego (Supervised by Professor Benjamin W Zweifach and  
Professor Geert W Schmid-Schoenbein)

April 2001-March 2023

Professor and Chair, Department of Biochemistry and Integrative Medical Biology, Keio  
University School of Medicine

June 2007

Leader, Global Center of Excellence for Life Sciences, Human Metabolomic Systems  
Biology from MEXT

October 2007-March 2015

Dean, School of Medicine, Keio University

October 2009-Present

Leader, JST, ERATO, Suematsu Gas Biology Project

April 2015-March 2020

The Founding President,  
Japan Agency for Medical Research and Development (AMED)

June 2021-Present

Councilor, SUNTORY FOUNDATION FOR LIFE SCIENCES

April 2023-Present

Professor emeritus, Keio University

April 2023-Present

Research Director, Central Institute for Experimental Animals

### **International Activities**

April 2022 – Present

Association for the Promotion of Research Integrity

Jun 2021 – Present

Japan Bioindustry Association

2001 – Present

American Society for Biochemistry and Molecular Biology

1994 – Present

American Association for the Study of Liver Diseases

1993 – Present

The American Physiology Society

1991 – Present

The Oxygen Society

1989 – Present

The Microcirculatory Society

1988 – Present

The European Society for Microcirculatory

### **Main Research Interests**

Gas Biology and Medicine, Microcirculatory physiology, Development of Imaging MS spectrometry. Exploring disease-specific biomarker molecules by metabolomics

V. Contributions to Scientific Communities and Awards

President, Japanese Society for Microcirculation (2007~2015)

President, 10th World Congress for Microcirculation (Kyoto, September 2015)

Ludwig Boltzmann Lecture (2016, 2017)