

**Toshihiro Horii, PhD.**  
**Professor of Osaka University**



He presently heads two research groups: the Department of Molecular Protozoology from 1999 and the Department of Infection Metagenomics from 2010, and serves as Director for the Research Center for Infectious Disease Control from 2005. He was also a Director of another special research facility, the International Research Center for Infectious Diseases from 2005 to 2016.

His main interest is on malaria parasites and on the rapid identification of emerging and re-emerging infectious diseases. His laboratory has particularly undertaken novel studies on *Plasmodium falciparum* malaria vaccine development. He conducts clinical trials in two African countries: Uganda and Burkina Faso, both highly endemic areas for malaria for studies on the BK-SE36 vaccine development. Clinical trials for BK-SE36 are on going and his team will embark on a next-generation malaria vaccine for evaluation in adults to toddlers. Efficacy testing of the SE36 candidate is eagerly awaited by malaria vaccine research field.

**Education:**

- 1981 Ph.D., Physiology, Osaka University
- 1978 M.S., Physiology, Osaka University
- 1976 B.A., Biology, Osaka University

**Professional Experience:**

- 2005-present Director, Research Center for Infections Disease Control, Research Institute for Microbial Diseases, Osaka University, Osaka, Japan
- 2005-2016 Director, International Research Center for Infectious Diseases, Research Institute for Microbial Diseases, Osaka University, Osaka, Japan

1999-present	Professor, Department of Molecular Protozoology, Research Institute for Microbial Diseases, Osaka University, Osaka, Japan
1991-1999	Associate Professor. Department of Molecular Protozoology, Research Institute for Microbial Diseases, Osaka University, Osaka, Japan
1985-1986	Research Assistant Professor. Department of Microbiology, Dartmouth Medical School, Hanover, NH. USA
1984-1985	Research Associate. Department of Microbiology, Dartmouth Medical School, Hanover, NH. USA
1980-1991	Research Associate. Department of Molecular Genetics, Faculty of Science, Osaka University, Osaka, Japan

### **Professional Societies :**

The Japanese Society of Parasitology, president and councilor  
The Japanese Society for Vaccinology, member of a board of trustees  
The Japanese Society of Tropical Medicine, councilor  
The Japanese Society of Molecular Biology  
Member of the International Advisory Committee of the Sixth World Congress on  
Vaccines, Immunization and Immunotherapy (WCVII, 23-25 September 2008,  
Milan, Italy; New Vaccines and Immunotherapeutic; organized by the Infections  
Control World Organization, ICWO

### **Awards:**

2014	2014 Masamichi Aikawa Prize, Japanese Society of Tropical Medicine
2008	Keystone Symposia, June 8-13, 2008 • Alpbach Congress Centrum, Alpbach, Austria Malaria: Immunology, Pathogenesis and Vaccine Perspectives First Prize of poster presentation in the Vaccine Section
2004	The 51th Koizumi Prize, The Japanese Society of Parasitology
2004	2004 Grant of Takeda Science Foundation

### **External Grant Reviewer:**

2015-present	Global Health Innovative Technology Fund (GHIT), Japan
2009-present	National Agriculture and Food Research Organization (NARO), Japan
2016-2018	New Energy and Industrial Technology Development Organization (NEDO), Japan
2008-2016	Grant-in-Aid for Scientific Research on Innovative Areas, The Ministry of Education, Science, Sports and Culture of Japan Grant-in-Aid for Scientific Research (A)or(B)or(C)or(S), The Ministry of Education, Science, Sports and Culture of Japan
2001-2010	Grant-in-Aid for Scientific Research on Priority Areas, The Ministry of Education, Science, Sports and Culture of Japan
1996-1999	Grant-in-Aid for Scientific Research on Priority Areas, The Ministry of Education, Science, Sports and Culture of Japan