

## <sup>1</sup>Authors and Affiliations

Jean-Thierry Aubin  
Pasteur Institute, Paris, France

Saliha Azebi  
Pasteur Institute, Paris, France

Amanda Balish  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Jill Banks  
Veterinary Laboratories Agency–Weybridge,  
Surrey, United Kingdom

Niranjan Bhat  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Rick A. Bright  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Ian Brown  
Veterinary Laboratories Agency–Weybridge,  
Surrey, United Kingdom

Philippe Buchy  
Insitut Pasteur du Cambodge, Phnom Penh,  
Cambodia

Ana-Maria Burguiere  
Pasteur Institute, Paris, France

Hua-lan Chen  
Harbin Veterinary Research Institute, Harbin,  
People's Republic of China

Peter Cheng  
Hong Kong National Influenza Centre,  
Kowloon, Hong Kong Special Administrative  
Region, People's Republic of China

Nancy J. Cox  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Alice Crosier  
World Health Organization, Geneva,  
Switzerland

Aaron Curns  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Frédérique Cuvelier  
Pasteur Institute, Paris, France

Guohua Deng  
Harbin Veterinary Research Institute, Harbin,  
People's Republic of China

Julia Desheva  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Stéphanie Desvaux  
National Animal Health and Production  
Investigation Center, Phnom Penh,  
Cambodia

Nguyen Hong Diep  
National Institute of Hygiene and  
Epidemiology, Hanoi, Vietnam

Ruben O. Donis  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Alan Douglas  
National Institute for Medical Research,  
London United Kingdom

Scott F. Dowell  
Ministry of Public Health, Nonthaburi,  
Thailand

Nguyen Tien Dung  
Ministry of Agriculture and Rural  
Development, Hanoi, Vietnam

Lindsay Edwards  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Keiji Fukuda  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Rebecca Garten  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Elena Govorkova  
St. Jude Children's Research Hospital,  
Memphis, Tennessee, USA

Victoria Gregory  
National Institute for Medical Research,  
London United Kingdom

Alan Hampson  
World Health Organization Collaborating  
Centre for Reference and Research on  
Influenza, Parkville, Victoria, Australia

Nguyen Thi Hong Hanh  
National Institute of Hygiene and  
Epidemiology, Hanoi, Vietnam

Scott Harper  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Alan Hay  
National Institute for Medical Research,  
London United Kingdom

Erich Hoffmann  
St. Jude Children's Research Hospital,  
Memphis, Tennessee, USA  
Diane Hulse  
St. Jude Children's Research Hospital,  
Memphis, Tennessee, USA

Masaki Imai  
National Institute of Infectious Diseases,  
Tokyo, Japan

Shigeyuki Itamura  
National Institute of Infectious Diseases,  
Tokyo, Japan

Samadhan Jadhao  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Patricia Jeannin  
Pasteur Institute, Paris, France

Chun Kang  
Korean National Institute of Health, Seoul,  
Republic of Korea

Jackie Katz  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Jae-Hong Kim  
National Veterinary Research & Quarantine  
Service, Anyang, Republic of Korea

Alexander Klimov  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Yong-kuk Kwon  
National Veterinary Research & Quarantine  
Service, Anyang, Republic of Korea

Chang-Won Lee  
US Department of Agriculture, Athens,  
Georgia, USA

Yanbing Li  
Harbin Veterinary Research Institute, Harbin,  
People's Republic of China

Phuong Song Lien  
Ministry of Agriculture and Rural  
Development, Hanoi, Vietnam

Wilina Lim  
Hong Kong National Influenza Centre,  
Kowloon, Hong Kong Special Administrative  
Region, People's Republic of China

Yi Pu Lin  
National Institute for Medical Research,  
London United Kingdom

Stephen Lindstrom  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

LaMorris Loftin  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Jan Mabry  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Le Quynh Mai  
National Institute of Hygiene and  
Epidemiology, Hanoi, Vietnam

Taronna Maines  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Jean-Claude Manuguerra  
Pasteur Institute, Paris, France

Masaji Mase  
National Institute of Animal Health, Ibaraki,  
Japan

Yumi Matsuoka  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Margaret McCarron  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Marie-Jo Medina  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Doan Nguyen  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Ai Ninomiya  
National Institute of Infectious Diseases,  
Tokyo, Japan

Masatsugu Obuchi  
National Institute of Infectious Diseases,  
Tokyo, Japan

Takato Odagiri  
National Institute of Infectious Diseases,  
Tokyo, Japan

Malik Peiris  
Queen Mary Hospital, Hong Kong Special  
Administrative Region, People's Republic of  
China

Michael L. Perdue  
World Health Organization, Geneva,  
Switzerland

Jean-Marc Reynes  
Insitut Pasteur du Cambodge, Phnom Penh,  
Cambodia

James Robertson  
National Institute for Biological Standards  
and Control, Hertfordshire, United Kingdom

Claudine Rousseaux  
Pasteur Institute, Paris, France  
Takehiko Saito  
National Institute of Infectious Diseases,  
Tokyo, Japan

Somchai Sangkitporn  
Ministry of Public Health, Nonthaburi,  
Thailand

Michael Shaw  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

James M. Simmerman  
Ministry of Public Health, Nonthaburi,  
Thailand

M. Slomka  
Veterinary Laboratories Agency–Weybridge,  
Surrey, United Kingdom

Catherine Smith  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

San Sorn  
National Animal Health and Production  
Investigation Center, Phnom Penh,  
Cambodia

Erica Spackman  
US Department of Agriculture, Athens,  
Georgia, USA

Klaus Stöhr  
World Health Organization, Geneva,  
Switzerland

David L. Suarez  
US Department of Agriculture, Athens,  
Georgia, USA

Haan Woo Sung  
National Veterinary Research & Quarantine  
Service, Anyang, Republic of Korea

David E. Swayne  
US Department of Agriculture, Athens,  
Georgia, USA

Maryse Tardy-Panit  
Pasteur Institute, Paris, France

Masato Tashiro  
National Institute of Infectious Diseases,  
Tokyo, Japan

Pranee Thawatsupha Ministry of Public  
Health, Nonthaburi, Thailand

Terrence Tumpey  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Timothy Uyeki  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Phan Van Tu  
Pasteur Institute, Ho Chi Minh City, Vietnam

Sylvie van der Werf  
Pasteur Institute, Paris, France

Sirenda Vong  
Insitut Pasteur du Cambodge, Phnom Penh,  
Cambodia

Richard Webby  
St. Jude Children's Research Hospital,  
Memphis, Tennessee, USA

Robert Webster  
St. Jude Children's Research Hospital,  
Memphis, Tennessee, USA

John Wood  
National Institute for Biological Standards  
and Control, Hertfordshire, United Kingdom

Xiyan Xu  
Centers for Disease Control and Prevention,  
Atlanta, Georgia, USA

Guan Yi  
Queen Mary Hospital, Hong Kong Special  
Administrative Region, People's Republic of  
China

Wenqing Zhang  
World Health Organization, Geneva,  
Switzerland