

Kiyohiro Houkin, M.D., Ph.D.

President, Hokkaido University (2020-current)

- ◆ VICE PRESIDENT, Hokkaido University (2017-2019)
- ◆ DIRECTOR, Hokkaido University Hospital (2013-2019)
- ◆ PROFESSOR and CHAIRMAN, Department of Neurosurgery, Hokkaido University Graduate School of Medicine (2010-2019)
- ◆ PROFESSOR and CHAIRMAN, Department of Neurosurgery, Sapporo Medical University (2001-2010)
- ◆ MEMBER, Science Council of Japan (2013-current)



BIOGRAPHY

Dr. Kiyohiro Houkin graduated from Hokkaido University in 1979 and, thereafter, attended the University of California, Davis as a postdoctoral fellow. At the University of California, he conducted a study on brain metabolism using NMR under the guidance of the late Professor Tsutomu Nakada.

After returning to Hokkaido University, he learned the surgical technique of cerebral revascularization under the guidance of Dr. Hiroyasu Kamiyama, a world-renowned neurosurgeon. Following his clinical training, he became a leading global authority in cerebral revascularization and, in particular, the surgical treatment of moyamoya disease.

He has served as a professor at the Department of Neurosurgery at Hokkaido University and Sapporo Medical University, where he contributed to the education of graduate students and inspired many neurosurgeons around the world.

Dr. Houkin has received many prizes in recognition of his expertise, including the Suzuki prize in 1999 and the Mihara Prize in 2013. He has published more than 424 articles and a book entitled "Microsurgery of Cerebral Aneurysms," co-authored with Dr. Hiroyasu Kamiyama in 2010. The book teaches basic treatment strategies and ways to apply those strategies in practice, as well as useful surgical techniques. He has also accomplished notable achievements in the area of basic research in regenerative medicine. In particular, his work on the application of regenerative medicine for the treatment of cerebral infarction has received high praise.

After serving as the director of Hokkaido University Hospital until March 31st, 2019, he was appointed as the President of Hokkaido University on October 1st, 2020. He has stated that his future policy is to build a new management, education, and research system with the aim of revitalizing and advancing Hokkaido University.

RELEVANT EXPERIENCE

EDUCATION

Doctor of Medicine	1979
Hokkaido University School of Medicine, Sapporo JAPAN	
Doctor of Philosophy	1991
Hokkaido University Graduate School of Medicine,	

RESIDENCY

Neurosurgeon	1979 - 1986
Hokkaido University School of Medicine, Sapporo JAPAN	
Postdoctoral Fellowship	1986 - 1989
Department of Neurology at the University of California Davis, California USA	
Lecturer	1992 - 2000
Department of Neurosurgery at Hokkaido University, Sapporo JAPAN	
Associate Professor	2000 - 2001
Department of Neurosurgery at Hokkaido University, Sapporo JAPAN	
Professor and Chairperson	2001 - 2010
Department of Neurosurgery at Sapporo Medical University, Sapporo JAPAN	
Professor and Chairperson	2010 -2019
Department of Neurosurgery at Hokkaido University, Sapporo JAPAN	
Director	2013 -2019
Hokkaido University Hospital, Sapporo JAPAN	
Vice President	2017-2019
Hokkaido University, Sapporo JAPAN	
President	2020 - present
Hokkaido University, Sapporo JAPAN	

**OVERSEAS
RESEARCH**

National Hospital for Neurology and Neurosurgery	1998
London, UK	
Hannover University	1998
Hannover, GERMANY	
Stanford University	1998
California, USA	
Northwestern University Chicago	1998
Illinois, USA	

**MAJOR
GRANTS**

Genetic Research on Moyamoya Disease	1996-2002
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Gene Survey of Moyamoya Disease	2014-2019
Risk Communication for Unruptured Cerebral Aneurysm	2005 – 2008
Regeneration Therapy for Cerebral Infarction using Bone Marrow Stem Cell	2012 – 2016

HONORS / PRIZES

Suzuki Prize	1999
	Japan Cerebrovascular Disease Society
Mihara Prize	2013
	Mihara Cerebrovascular Disorder Research Promotion Fund