

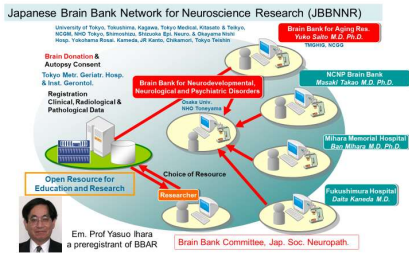
2021 Annual Report of Japanese Brain Bank Network for Neuroscience Research (JBBNRR)

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JBBNRR, whose core is Brain Bank for Aging Research (BBAR), proceeds neuroscience research focused on dementia and neurodegeneration.

Japanese Brain Bank Network for Neuroscience Research (JBBNRR) was established in 2001, whose reader is the Brain Bank for Aging Research (BBAR), the first and only Japanese Brain Bank dedicated for aging and dementia research.



BBAR recruited all the members of the Japanese Society of Neuropathology to establish JBBNRR, funded by MEXT in 2001, on the following four conditions: open resource, brain donation, quality control including neuropathological diagnosis, to combine clinical longitudinal studies. National Center of Neurology and Psychiatry (NCNP), Mihara Memorial Hospital and Fukushima Hospital joined JBBNRR. In 2020, Brain Bank for Neurodevelopmental, Neurological and Psychiatric Disorders (BBNNDP), the first brain bank system in all the universities of Japan, was established in United Graduate School of Child Development, Osaka University and joined JBBNRR.

| Brain Bank | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Osaka Univ. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| NCNP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mihara Mem. Hosp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fukushima Hosp. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BBNNDP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BBAR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

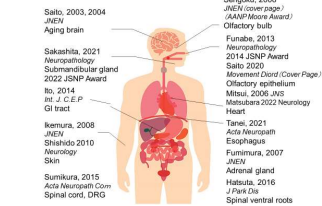
In 2021, the pandemic of COVID-19 seriously influenced recovery of postmortem brains via dramatic decrease of autopsy in Japan.

JBBNRR began effort to include legal autopsy to establish suicide bank and autism brain net. The main barrier resides in cultural respect of suicide in Japan, which makes it difficult to obtain the family's consent for brain donation. The solid public support system for autism promised long life without accident and makes it difficult to recover autism brains through forensic autopsy. It was good news that BBNNDP proposed cloud funding in Osaka and successfully received donation of ten million yen.

JBBNRR is based on full autopsy. In 2001, we reported that one third of geriatric population contained Lewy body pathology in the body. We also collaborated Cambridge group and confirmed argyrophilic grains as an independent tauopathy.

JBBNRR continued to contribute neuroscience research, focused on dementia and neurodegeneration, in Japan.

Epidemiological Neuropathology of Lewy body disease



Structure-based classification of tauopathies

