

National Institute for Minamata Disease
Fiscal year 2013 List of research and other activities

Group	Division	Subject name	chief researcher (The chief person in charge)	Term
Mechanism	Project research	Research on selective cytotoxicity and sensitivity of individuals toward MeHg	Masatake Fujimura	2010–2014 (for 5 years)
Clinical	Project research	Clinical research on Minamata disease, with focus on the establishment of an objective assessment technique using MEG	Masaaki Nakamura	2010–2014 (for 5 years)
Environmental Health	Project research	Studies on MeHg exposure in a whale-eating district	Masaaki Nakamura	2010–2014 (for 5 years)
Mechanism	Fundamental research	Study on molecular genetic and biochemical factors that cause differences in stress responses to MeHg	Fusako Usuki	2010–2014 (for 5 years)
Mechanism	Fundamental research	Experimental research on relief of MeHg-induced neurotoxicity	Masatake Fujimura	2010–2014 (for 5 years)
Mechanism	Fundamental research	Research on effect of dietary fibers on mercury excretion after MeHg exposure	Masaaki Nagano	2012–2014 (for 3 years)
Environmental Health	Fundamental research	Exposure assessment of MeHg and other heavy metals in pregnant women and fetuses	Mineshi Sakamoto	2010–2014 (for 5 years)
Environmental Health	Fundamental research	Protective effect of Se against MeHg toxicity and co-existence of Hg and Se in humans and sea-mammals	Mineshi Sakamoto	2010–2014 (for 5 years)
Environmental Health	Fundamental research	Evaluation of sensitivity factors to MeHg exposure – Application of pathological animal model and knock out animal –	Megumi Yamamoto	2012–2014 (for 3 years)
Risk recognition and information services	Fundamental research	Study of information and perception on health risk of low-level exposures to MeHg	Noriyuki Hachiya	2010–2013 (for 4 years)
Social	Fundamental research	Historical study on risk management in Minamata disease episode	Noriyuki Hachiya	2010–2012 (for 3 years)
Social	Fundamental research	Research on regeneration in Minamata disease area	Tazusa Arakaki	2010–2014 (for 5 years)
Social	Fundamental research	Research of physical function and current living conditions among congenital Minamata disease patients	Liu Xiao Jie	2013–2014 (for 2 years)
Local and global environment	Fundamental research	Marine ecosystem and mercury behavior in Yatsushiro Sea. – Quantitative survey of marine benthic community in Yatsushiro Sea and mercury concentration of several fishes through food web –	Keisuke Mori	2010–2014 (for 5 years)
Local and global environment	Fundamental research	Research on its influences and behaviors of mercury in an aquatic environment of Minamata Bay	Akito Matsuyama	2010–2014 (for 5 years)
Local and global environment	Fundamental research	Research on chemical reactions, transport and deposition of atmospheric Hg	Koji Marumoto	2010–2014 (for 5 years)
Local and global environment	Fundamental research	Study on natural emission sources of atmospheric mercury	Koji Marumoto	2010–2014 (for 5 years)
Local and global environment	Fundamental research	Study on biomagnification of mercury from sediment to demersal fish	Shoko Imai	2013–2014 (for 2 years)
Local and global environment	Fundamental research	Research on the relation between methylmercury levels and marine bacteria in the water of Minamata Bay	Masaaki Nagano	2013–2014 (for 2 years)
Local and global environment	Fundamental research	Mercury contamination by many small-scale gold ore smelters in Talawaan River, North Sulawesi, Indonesia	Keisuke Mori	2011–2014 (for 4 years)
Local and global environment	Fundamental research	Study on alkyl derivatization technique for speciation of mercury in biological and human samples	Koichi Haraguchi	2013–2014 (for 2 years)
Clinical	Other activities	Practice of rehabilitation for patients with Minamata disease and dissemination of information on care and rehabilitation	Fusako Usuki	2010–2014 (for 5 years)
Clinical	Other activities	Support service for social welfare	Masaaki Nakamura	2010–2012 (for 3 years)
Risk recognition and information services	Other activities	Organization of documents and materials on Minamata Disease, and dispatch of related information in Minamata Disease Archives	Noriyuki Hachiya	2010–2014 (for 5 years)
Risk recognition and information services	Other activities	Examination of hair Hg in areas concerned with Hg pollution around the world	Masatake Fujimura	2010–2014 (for 5 years)
Risk recognition and information services	Other activities	Information service using hair Hg analysis	Masaaki Nagano	2011–2014 (for 4 years)
Local and global environment	Other activities	Cooperation of research in the international organization	Mineshi Sakamoto	2010–2014 (for 5 years)
Local and global environment	Other activities	NIMD Forum and International Workshop	Mineshi Sakamoto	2010–2014 (for 5 years)