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Dr. Motoharu Abe is a Project Leader of Project Management Department at KM Biologics Co., Ltd. (KMB). KMB is a leading vaccine manufacturer in Japan, taking its roots back to 1945. Dr. Abe has been working for KMB and its predecessor, The Chemo-Sero-Therapeutic Research Institute (Kaketsuken) for around 30 years. During his career he has been continuously involved in numerous human vaccine research and development projects. Notably, Dr. Abe has contributed significantly to the development of a Japanese encephalitis vaccine and DTaP-Sabin IPV, and research into an influenza vaccine. He is now pursuing the development of a live attenuated Dengue vaccine as the project leader, and containment of polio virus as the general director of the internal committee of GAPIV, which is WHO Global Action Plan to minimize poliovirus facility-associated risk after type-specific eradication of wild polioviruses and sequential cessation of oral polio vaccine use. Furthermore, Dr. Abe is also dedicating his time and effort as a professor of DEJIMA Infectious Disease Research Alliance (DIDA), Vaccine Research and Development Center (VRDC) at Nagasaki University.

Selected Publications

Motoharu Abe, Kumi Kaneko, Ai Ueda, Hiroshi Otsuka, Kouichi Shiosaki, Chikateru Nozaki, Shuro Goto. Effects of several virucidal agents on inactivation of influenza, Newcastle disease, and avian infectious bronchitis viruses in the allantoic fluid of chicken eggs. *Jpn J Infect Dis*. 2007 Nov;60(6):342-6.

Motoharu Abe, Kenji Okada, Kenshi Hayashida, Fujio Matsuo, Kouichi Shiosaki, Chiaki Miyazaki, Kohji Ueda, Yoichiro Kino. Duration of neutralizing antibody titer after Japanese encephalitis vaccination. *Microbiol Immunol*. 2007;51(6):609-16.

Motoharu Abe, Kouichi Shiosaki, Lena Hammar, Kengo Sonoda, Li Xing, Syoji Kuzuhara, Yoichiro Kino, R Holland Cheng. Immunological equivalence between mouse brain-derived and Vero cell-derived Japanese encephalitis vaccines. *Virus Res*. 2006 Nov;121(2):152-60.

Syoji Kuzuhara, Hideki Nakamura, Kenshi Hayashida, Junko Obata, Motoharu Abe, Kengo Sonoda, Kiyoto Nishiyama, Keishin Sugawara, Kengo Takeda, Tomitaka Honda, Hajime Matsui, Takamichi Shigaki, Yoichiro Kino, Hiroshi Mizokami, Masahiko Tanaka, Kyosuke Mizuno, Kohji Ueda. Non-clinical and phase I clinical trials of a Vero cell-derived inactivated Japanese encephalitis vaccine. *Vaccine*. 2003 Nov 7;21(31):4519-26.

Motoharu Abe, Syoji Kuzuhara, Yoichiro Kino. Establishment of an analyzing method for a Japanese encephalitis virus neutralization test in Vero cells. *Vaccine*. 2003 May 16;21(17-18):1989-94.

Keishin Sugawara, Kiyoto Nishiyama, Yuji Ishikawa, Motoharu Abe, Kengo Sonoda, Kazuhiro Komatsu, Yoshikane Horikawa, Kengo Takeda, Tomitaka Honda, Shoji Kuzuhara, Yoichiro Kino, Hiroshi Mizokami, Kyosuke Mizuno, Tetsuya Oka, Kennosuke Honda. Development of Vero cell-derived inactivated Japanese encephalitis vaccine. *Biologicals*. 2002 Dec;30(4):303-14.