

BIOGRAPHICAL SKETCH

NAME Sakata, Yasuko Springett <small>eRA COMMONS USER NAME</small>	POSITION TITLE Research Associate		
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <small>(if applicable)</small>	YEAR(s)	FIELD OF STUDY
Kobe University, Japan	B.E.	1983	Education
Nagasaki University, Japan	M.D.	1991	Medicine
Tokyo Women's Medical University, Japan	Ph.D.	1997	Medicine

A. Positions and Honors

- 1991-1992 Paediatric Resident, Kitazato University Hospital, Kanagawa, Japan
- 1992-1993 Paediatric and Neonatology Resident, Kameda General Hospital, Chiba, Japan
- 1993-2001 Associate Fellow, Neonatal Division of Maternal and Perinatal Center, Tokyo Women's Medical University, Tokyo, Japan
- 1994-1996 Staff, Dept. of Paediatrics and Nursery, Seibo International Catholic Hospital, Tokyo, Japan
- 1996-1998 Senior Staff, Department of Neonatology, Aiku Hospital, Tokyo, Japan
- 1998-2000 Academic Visitor, Dept. of Paediatrics, University College London Hospital, London, UK
- 2000-2001 Research Fellow, Dept. of Paediatrics, University College London Hospital, London, U.K.
- 2003-present Research Associate, Dept. of Radiology, Dartmouth Medical School, Hanover, NH USA

B. Publications

- Y Sakata, H Nishida et al. A case of Listeriosis of Newborn. Journal of Tokyo Women's Medical College. 64(5), 133-136. 1994
- Y Sakata, H Nishida. Medical Decision Making on Managing Newborn Babies with Poor Prognosis. Journal of Japan Association for Bioethics. 5(1), 40-43. 1995
- Y Sakata, H Nishida. Comparison of low fetal growth curves in screening for high-risk neonates. Acta Paediatrica Japonica. 38: 629-633. 1996
- Y Sakata, H Nishida et al. Three cases of exanthema related with TSST-1 during early neonatal period. Jpn. Obstet. Gynecol. Neonatal Hematol. 7(2), S107-S108. 1997
- N Takahashi, H Nishida, H Kato, K Imanishi, Y Sakata, T Uchiyama. Exanthematous disease induced by toxic shock syndrome toxin 1 in the early neonatal period. Lancet. 351(9116), 1614-1619. 1998
- Springett R, Sakata Y, Delpy DT. Precise measurement of cerebral blood flow in newborn piglets from the bolus passage of indocyanine green. Phys Med Biol. 46(8): 2209-25. 2001
- Brooks KJ, Hargreaves I, Bhakoo K, Sellwood M, O'Brien F, Noone M, Sakata Y, Cady E, Wylezinska M, Thornton J, Ordidge R, Nguyen Q, Clemence M, Wyatt J, Bates TE. Delayed hypothermia prevents decreases in N-acetylaspartate and reduced glutathione in the cerebral cortex of the neonatal pig following transient hypoxia-ischaemia. Neurochem Res. 27(12):1599-604. 2002
- Sakata YS, Grinberg OY, Grinberg S, Springett R, Swartz HM. Simultaneous NIR-EPR spectroscopy of rat brain oxygenation. Oxygen Transport to Tissue (Okunieff, P. ed). Advances In Experimental Medicine And Biology. Plenum Publishers, New York. 2004.

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- Iwata O, Thornton JS, Sellwood MW, Iwata S, Sakata Y, Noone MA, O'Brien FE, Bainbridge A, De Vita E, Raivich G, Peebles D, Scaravilli F, Cady EB, Ordidge R, Wyatt JS, Robertson. Depth of delayed cooling alters neuroprotection pattern after hypoxia-ischemia. *Ann Neurol.* 58(1):75-87. 2005
 - O'Brien FE, Iwata O, Thornton JS, De Vita E, Sellwood MW, Iwata S, Sakata YS, Charman S, Ordidge R, Cady EB, Wyatt JS, Robertson NJ. Delayed Whole-Body Cooling to 33 or 35°C and the Development of Impaired Energy Generation Consequential to Transient Cerebral Hypoxia-Ischemia in the Newborn Piglet *Pediatrics.* 117: 1549-559. 2006

C. Research Funding

P01 EB2180 Swartz (PI)

07/01/02 – 06/30/07

National Institutes of Health

Measurement of pO₂ In Vivo and In Vitro

To develop EPR oximetric material and techniques to advance understanding of oxygen dependent physiology and pathophysiology in various organ systems and/or pathological states, especially cancer and changes in the vascular system.