

Noriko Satake, M.D.

Clinical Interests

Dr. Satake's research focuses on the development of targeted therapies for pediatric cancers, with a special emphasis on leukemia and neuroblastoma. She is currently developing targeted therapies using nanoparticles, chemotherapeutic drugs, and siRNA, with leukemia-specific ligands and antibodies.

She has developed a human leukemia xenograft mouse model and used this model to evaluate markers for leukemia stem cells. Through a collaboration she initiated with a local company, she has also developed a mouse model of a rare pediatric cancer, which will be used to study this cancer and evaluate new therapies.

Her other research focus is translation of bioengineering technologies into clinical applications. She has established strong collaborations with bioengineers at the UC Davis Center for Biophotonics Science and Technology, particularly in the application of Raman spectroscopy in the clinic. In a previous collaboration, she studied leukemia cells in cerebrospinal fluid using Raman spectroscopy as an objective measurement of central nervous system leukemia. More recently, they have begun to focus on red blood cells.

Title Associate Professor

Specialty [Cancer](#), Pediatric Hematology/Oncology

Department [Pediatrics](#)

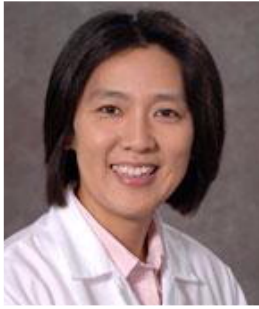
Division Pediatric Hematology/Oncology

Center/Program Affiliation [Stem Cell Research Program](#)
[Stem Cell Transplant Program](#)
[UC Davis Children's Hospital](#)
[UC Davis Comprehensive Cancer Center](#)

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Languages Japanese

Education M.D., Asahikawa Medical College, 1990



Noriko Satake, M.D.

Residency Children's Medical Center, Wright State University, Dayton, Ohio, 2003
Hokkaido University School of Medicine, Sapporo, 1994

Fellowships Children's Hospital Los Angeles, Los Angeles, California, 1998
Children's Hospital Los Angeles, Los Angeles, California, 2001
UCLA, Los Angeles, California, 2006

Board Certifications American Board of Pediatrics, 2004
American Board of Pediatrics, Pediatric Hematology-Oncology, 2006

Select Recent Publications Thampi S, Salmi D, Imashuku S, Ducore J, Satake N. Thrombotic thrombocytopenic purpura in a child with systemic lupus erythematosus. *J Pediatr Hematol Oncol.* 2011 Apr;33(3):221-3.

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Salmi D, Bhat A, Corman L, Raff G, Satake N. Diagnostic challenges in native valve fungal endocarditis producing a massive septic pulmonary embolus. *Nihon Ishinkin Gakkai Zasshi.* 2010; 51(4):207-10.

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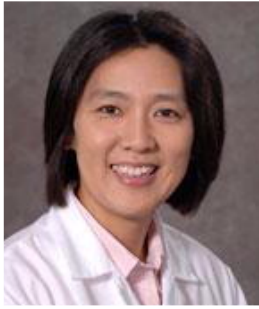
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Skelton D., Satake N., Kohn D.B. The enhanced green fluorescent protein (eGFP) is minimally immunogenic in C57BL/6 mice. *Gene Ther,* 8(23): 1813-1814. 2001

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