## Nobuko Hagiwara, M.S., Ph.D.

Clinical Interests	Nobuko Hagiwara has expertise in the field of molecular genetics. She completed postdoctoral
	training at the University of Iowa in biological sciences and the University of California, Irvine, in
	anatomy and neurobiology. She also was a postdoctoral fellow at the Fox Chase Cancer Center
	Institute for Cancer Research in Philadelphia, PA, and the University of Arizona College of
	Medicine in Tucson. The Hagiwara lab studies development of the heart and skeletal muscle at the
	molecular and cellular levels. We are researching the Sox6 mutant heart to understand the
	progression of early stages of heart failure. A deficiency of the Sox6 transcription factor shows
	cardiac and skeletal muscle degeneration and arrhythmia. Another interesting phenotype is fiber
	type distortion in skeletal muscle. Since specialization of slow- and fast-twitch fiber type is crucial
	for physiological function of skeletal muscle, Sox6 should play an important role in normal fetal
	muscle development as well as in muscle degenerative diseases. To understand the role of Sox6 in
	skeletal muscle development, we are investigating downstream targets and cofactors of the Sox6
	protein. To conduct our research, we utilize genetic, molecular and cellular biology techniques.
Title	Assistant Professor

S	pecial	ty	<u>Cardiovascu</u>	lar M	ledicine,	Internal	Medicine
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Department Internal Medicine

Division Cardiovascular Medicine

Center/Program Affiliation Cardiovascular Services

Additional PhonePhysician Referrals: 800-4-UCDAVIS (800-482-3284)EducationPh.D., University of Tokyo, Tokyo, 1995B.S., Ochanomizu Women's University, Tokyo, 1984M.S., Ochanomizu Women's University, Tokyo, 1987Professional MembershipsAmerican Heart Association<br/>Society for Developmental Biology<br/>Society for NeuroscienceHonors and AwardsJapanese Ministry of Education Scholarship for graduate studies abroad., 1986Select Recent PublicationsOdeh H, Hunker KL, Belyantseva IA, Azaiez H, Avenarius MR, Zheng L, Peters LM, Gagnon LH,



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