



MASONIC MEDICAL RESEARCH LABORATORY

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Dear Colleagues:

The Molecular Genetics Program at the Masonic Medical Research Laboratory is in full gear. We have assembled a team of investigators capable of streamlining the approach to genetic screening and subsequent functional *in vitro* analysis of ion channel mutations linked to inherited cardiac arrhythmia and conduction disease.

We invite your participation and collaboration in these projects. We are particularly interested in individuals, or preferably, large families with any of the following:

- Brugada Syndrome
 - Spontaneous Brugada ECG phenotype
 - Brugada phenotype unmasked or induced by sodium channel blockers, hormonal imbalances, pheochromocytoma, antidepressant or other drugs, hyponatremia or other electrolyte imbalances, alcohol, vagotonic agents or vagal maneuvers (including full stomach).
- Familial Atrial Fibrillation
- Catecholamine-sensitive VT
- Non-ischemia-related VT/VF occurring in young individuals
- Post-MI QT prolongation and Torsade de Pointes
- Progressive Conduction Disease
- Sudden death in infants and children (including SIDS)
- Acquired Long QT Syndrome (or unusual forms of congenital LQTS)
- Short QT Syndrome (SQTS)

Please do not hesitate to contact us regarding these or other familial arrhythmic syndromes. We will provide you with kits to collect blood and include you in any publication should a new mutation or gene be uncovered as a result of the DNA samples provided. We will require you to obtain consent from each patient in order to participate (we will provide you the proper forms) and ask that you provide us with a full history and ECG.

Please address e-mail inquiries to Genetics@mmrl.edu

Phone: (315) 735-2217 Ext. 119

Sincerely yours,

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