

☒ Organizer

The Paavo Nurmi Foundation

☒ Registration

For registration use the website:

[www.kll.helsinki.fi/PaavoNurmiSymposium2003](http://www.kll.helsinki.fi/PaavoNurmiSymposium2003)

The following information is needed:

full name, mailing address, institution, e-mail address.

200 participants (in the order of registration) will be accepted.

Dead-line for registration is August 15, 2003.

There is no registration fee.

The participants must make their own arrangements for travel and accommodation and take full responsibility for the corresponding costs.

☒ Secretariat

e-mail: [pirjo.ahvonen@icon.fi](mailto:pirjo.ahvonen@icon.fi)



☒ Congress venue  
 Biomedicum  
 Haartmaninkatu 8  
 FI-00290 Helsinki  
 FINLAND  
[www.biomedicum.fi](http://www.biomedicum.fi)



# Genetic and Molecular Basis of Cardiac Arrhythmias



WELCOME TO FINLAND AND TO THE XIV PAAVO NURMI SYMPOSIUM!



AUGUST 27-29, 2003  
 HELSINKI, FINLAND

[www.kll.helsinki.fi/PaavoNurmiSymposium2003](http://www.kll.helsinki.fi/PaavoNurmiSymposium2003)

# Genetic and Molecular Basis of Cardiac Arrhythmias

WEDNESDAY 27.08.

☒ 14.00 **Opening of the symposium**

Session 1: Cardiac ion channels and their function  
Chairmen: C. Antzelevitch and D. Escande

☒ 14.30 **Cellular basis and mechanisms underlying normal and abnormal myocardial repolarization** . . . *C. Antzelevitch (USA)*

☒ 15.05 **Regulation of cardiac ion channel synthesis** . . . . . *C.T. January (USA)*

Coffee Break

☒ 16.00 **Genetic defects, ionic currents and electrocardiographic alterations** . . . . *Y. Rudy (USA)*

☒ 16.35 **Transgenic animal models for long QT syndrome and related disorders** . . . . . *D. Escande (France)*

GET TOGETHER

THURSDAY 28.08.

Session 2: Regulation of cardiac ion channel function  
Chairmen: J. Barhanin and M.A. Vos

☒ 8.30 **In vitro models for cardiac channelopathies** . . . . . *J. Barhanin (France)*

☒ 9.05 **Molecular mechanisms of ion channel regulation** . . . . . *G. Koren (USA)*

Coffee Break

☒ 10.00 **Genetic basis of drug-induced arrhythmias** . . . . . *M.A. Vos (Netherlands)*

☒ 10.35 **Modulation of HERG function by drug action** . . . . . *J. Kiehn (Germany)*

☒ 11.10 **The significance of QT interval in drug development** . . . . . *R.R. Shah (UK)*

Lunch

Session 3: Long QT syndrome  
Chairmen: P. Guicheney, L. Toivonen

☒ 13.00 **Molecular and clinical spectrum of the SCN5A mutations** . . . . *P. Brugada (Belgium)*

☒ 13.35 **Long QT syndrome in a genetic isolate: Lessons from Finland** . . . . . *H. Swan (Finland)*

☒ 14.10 **Membrane skeleton and cardiac ion channels** . . . . . *J.J. Schott (France)*

Coffee Break

Session 4: Hormones, adrenergic system and cardiac channelopathies

☒ 15.00 **LQTS – sex, hormones and heritability** . . . . . *P. Guicheney (France)*

☒ 15.35 **Adrenergic signaling in cardiac disease** . . . . . *J. Hata (USA)*

☒ 16.10 **Beta-adrenergic receptor polymorphism in human cardiovascular disease** . . . . *K. Leineweber (Germany)*

SPEAKERS' DINNER

FRIDAY 29.08.

Session 5: Calcium signalling  
Chairmen: J. Striessnig and L.J. Ptacek

☒ 8.30 **Calcium signalling in normal and diseased myocardium** . . . *X.H.T. Wehrens (USA)*

☒ 9.05 **Molecular pharmacology of intracellular calcium channels** . . . . . *G. Meissner (USA)*

☒ 9.40 **Structure, function and pharmacology of L-type calcium channels** . . . . . *J. Striessnig (Austria)*

Coffee Break

Session 6: Novel disease mechanisms

☒ 10.45 **Molecular pathogenesis of familial polymorphic ventricular tachycardia** . . . . . *P.J. Laitinen (Finland)*

☒ 11.20 **Autosomal recessive familial polymorphic ventricular tachycardia** . . . . . *H. Lahat (Israel)*

☒ 11.55 **The clinical spectrum of the KCNJ2 channel mutations** . . . . . *L.J. Ptacek (USA)*

Lunch

Session 7: Emerging concepts  
Chairman: K. Kontula

☒ 13.30 **Family and population strategies for screening and counseling of inherited cardiac arrhythmias** . . . . . *A. Wilde (Netherlands)*

☒ 14.15 **Gene transfer techniques in treatment of cardiac channelopathies** . . . . . *K. Donahue (USA)*

☒ 15.00 **End of the symposium**

