

UiO : University of Oslo

*35th Meeting of the
European Working Group on
Cardiac Cellular Electrophysiology*

**September 17-19, 2011
Blindern, Oslo, Norway**



**Cardiac Cellular
Electrophysiology**

ESC Working Group



**EUROPEAN
SOCIETY OF
CARDIOLOGY®**

Poster session II: Ions channels and transporters in health and disease I (11:00-12:30)

Chairs: Godfrey Smith and Janos Magyar

12 Cardiac ion channelopathies in the sudden infant death syndrome

Eva C. Klaver, G. Marja Versluijs, Ronald Wilders

13 Functional role for SCN10a/Nav1.8 in the heart?

Veldkamp MW, Remme CA, Scicluna B, Schumacher CA, Wolswinkel R, Bezzina CR, Verkerk AO

14 Biophysical properties of the V2016M SCN5A mutation found in ARVC and Brugada Syndrome

Maaiko Hoekstra, Roos FJ Marsman, Leander Beekman, Arie O Verkerk, Connie R Bezzina, Arthur AM Wilde

15 Mouse pluripotent stem cell models of a human cardiac sodium channelopathy

Casini S., Davis R., Verkerk A., Van den Berg C., Freund C., Remme C.A., Bezzina C., Mummery C.

16 Effects of I_{NaL} blockade on cardiac remodeling in a model of pulmonary hypertension.

Sala L., Barile L., Alemanni M., Rizzetto R., Mostacciolo G., Zaza A., Rocchetti M.

17 Functional ventricular remodeling induced by pulmonary hypertension

Rizzetto R., Alemanni M., Barile L., Sala L., Mostacciolo G., Zaza A., Rocchetti M.

18 The investigation of the transient outward current in dog atrial myocytes

Corici C, Kristóf A, Kohajda Z, Szél T, Husti Z, Baczkó I, Varró A, Jost N, Virág L, Varro A.

19 Effects of beta-adrenoceptor stimulation on human atrial potassium currents

Delpón E, Gónzalez de la Fuente M, Gómez R, Amorós I, Barana A, Dolz P, Caballero R, Tamargo J.

20 Activation of glibenclamide-sensitive K(ATP) channels during β -adrenergic stimulation produces a substrate for atrial fibrillation in rat hearts

Shang Jin Kim, Haifei Zhang, Stephanie CM Choisy, Hua Lin, Jules C Hancox, M Saadeh Suleiman, Andrew F James

21 Investigation of the properties of several potassium currents in isolated atrial myocytes from dogs sinus rhythm and tachypaced model of chronic atrial fibrillation

Kohajda Zs, Kovács PP, Kristóf A, Virág L, Baczkó I, Juhasz V, Saghy L, Chadaide S, Varró A, Jost N.

22 Negative T-waves in KChIP2 deficient mice with heart failure

Tobias Speerschneider, Søren Grubb, Artina Metoska, Søren-Peter Olesen, Kirstine Calloe, Morten B. Thomsen

23 Sensitivity of delayed rectifier K^+ -current to PKC inhibitors

Norbert Szentandrassy, Gábor Harmati, Bence Hegyi, Ferenc Papp, László Bárándi, Ferenc Ruzsnavszky, Balázs Horváth, Tamás Bányász, János Magyar, György Panyi, Zoltán Krasznai, Péter P. Nánási

Poster session IV: Pharmacology and signalling (16:25-18:00)

Chairs: Ursula Ravens and Carmen Valenzuela

- 36 Impairment of the human pacemaker current I_f by endotoxin and ivabradine**
Scheruebel S., Zorn-Pauly K., Lang P., Mächler H., Pelzmann B.
- 37 Effects of IKACH inhibition on chronic tachypacing-induced atrial fibrillation in dogs**
Husti Z, Chadaide S, Kohajda Z, Juhasz V, Saghy L, Jost N, Milnes J, Varro A, Bacsko I.
- 38 Molecular determinants of low affinity hERG channel blocker by lignocaine**
Zhang YH, Du CY, El Harchi A, Dempsey CE, Hancox JC
- 39 Application of human stem cell-derived cardiomyocytes in safety pharmacology requires caution beyond hERG**
Malin K.B. Jonsson, Marc A. Vos, Gary R Mirams, Göran Duker, Peter Sartipy, Teun P. de Boer, Toon A.B. van Veen
- 40 Modulation of Kir2.x channels by propafenone. A molecular approach**
Caballero R, Gómez R, Dolz P, Barana A, Amorós I, González de la Fuente M, Tamargo J and Delpón E.
- 41 Antiarrhythmic effect of the TRPM4 inhibitor 9-phenanthrol**
Christophe Simard, Laurent Sallé, René Rouet and Romain Guinamard
- 42 Dietary omega-3 polyunsaturated fatty acids suppress NHE-1 upregulation in a rabbit model of pressure and volume overload**
Arie O. Verkerk, Hester M. den Ruijter, Antonius Baartscheer, Ruben Coronel, Marcel M.G.J. van Borren
- 43 Posttranscriptional down-regulation of Dipeptidyl-peptidase 10 in cardiac and neuronal cells from rat**
Radicke, Susanne
- 44 Effect of E-4031 on action potential duration and restitution in Langendorff-perfused rabbit hearts**
Rosazra Roslan, Francis Burton, Godfrey Smith
- 45 Cardiac electrophysiological effects of Rosiglitazone in canine ventricular cells**
Ferenc Ruzsnavszky, Norbert Szentandrassy, Gábor Harmati, László Viktor Bárándi, Balázs Horváth, János Magyar, Tamás Bányász, Andrea Szebeni, Valéria Kecskeméti, Péter Pál Nánási
- 46 Electrophysiological effects of ranolazine on repolarization in dog and human cardiac preparations - Pharmacological modelling of Long-QT syndromes**
Szel T, Koncz I, Jost N, Virag L, Papp JG and Varro A.
- 47 Transthyretin aggregates affect viability and functional properties of cardiomyocytes**
V. Spinelli, L. Sartiani, M. Bucciantini, R. Coppini, E. Russo, A. Mugelli, E. Cerbai, M. Stefani