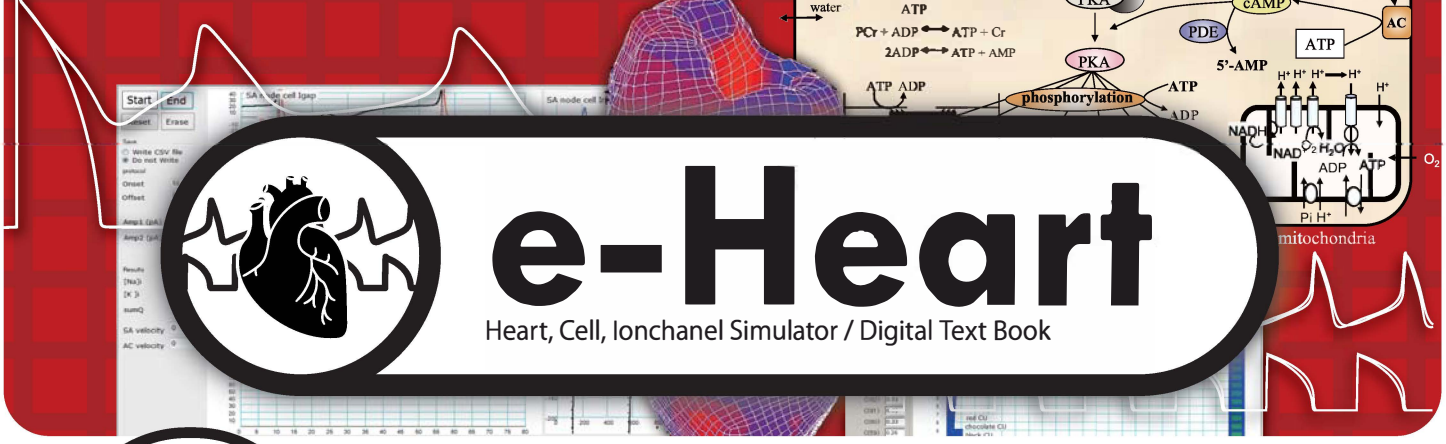

e-Heart

Heart, Cell, Ionchanel Simulator / Digital Text Book

8/26 FRIDAY

Satellite symposium (The 5th e-Heart symposium)

in Cardiac Physiome Workshop 2016 Korea, 23-26 Aug 2016

~ Simulation materials for fundamental understanding of cardiac cellular physiome ~

Asan Medical Center
B1 Auditorium
Seoul, Republic of Korea

We develop a user-friendly software to display functions of the cells clearly on the computer screen, and make it easily-accessible to everyone from all over the world. Observe the function of the cells by running the simulation model to see the response of the virtual cell, and feel the wonder of "the functions of the body".

8:50-9:00	**Opening remarks** Prof. Yung E Earm, Seoul National University
1st session	**General electrical activity of excitable cells** (Chair: Prof. Yung E Earm, Seoul National University)
9:00-9:50	**Automaticity and membrane excitation** Yukiko Himeno, Ritsumeikan University, Japan
9:50-10:40	**E-C coupling and arrhythmia** Akinori Noma, Ritsumeikan University, Japan
10:40-11:00	**Coffee break**
2nd session	**Homeostasis and metabolism at cellular level** (Chair: Prof. Chae Hun Leem, University of Ulsan)
11:00-11:50	**Ionic concentrations and cell volume regulation** Trevor Powell, University of Oxford, UK
11:50-12:40	**Enzyme activity and metabolism** Jae Boum Youm, Inje University
12:40-13:00	**Closing remarks** Akinori Noma, Ritsumeikan University, Japan

A demo CD of e-Heart, including model simulation programs, corresponding texts and installation manuals will be available on site. Please note that English translation is not available for some texts. Ask for a copy if you need the CD in advance. Each simulation models are written in Visual Basic, thus Visual Studio (2013 or later) on Windows PC is necessary to run each model. Visual Basic is now freely available from Microsoft website. For more information, please see the e-Heart website.

http://www.eheartsim.com/?page_id=74 ▶

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