# e-Heart workshop

**Inje University, Korea, 25-26 Mar 2024**

~"Workshop on Developing Insights and Treatment Strategies for Heart Diseases Using the e-Heart Package ~

**Venue: Cardiovascular and Metabolic Disease Center, Inje University, Busan, Republic of Korea**

**Date: 25-26 March 2024**

**25 March**

Chair: Yung E. Earm, Seoul National University

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| **Time** | **Title** | **Speaker** |
| 14:50~15:00 | Welcome address | Jin Han, Inje Univ |
| 15:00~15:50 | Mitochodria model based on each-step-activation theory | Akinori Noma, Ritsumeikan Univ |
| 15:50~16:10 | Coffee break |  |
| 16:10~17:00 | Contribution of KATP channels activated in ventricular myocytes to repolarization: a simulation study | Yukiko Himeno, Ritsumeikan Univ |
| 17:00~17:20 | Simulation of substrate-dependent changes of mitochondrial function using a computational mitochondria model | Jae Boum Youm,  Inje University |

**26 March**

**Workshop: Education materials for cardiac pathophysiology**

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| **Time** | **Title** | **Speaker** |
| 09:00~09:10 | Opening remarks | Yung E. Earm, Seoul Natl Univ |
| 09:10~10:00 | Introductory session of the e-Heart educational materials | Yukiko Himeno,  Ritsumeikan Univ  Akinori Noma,  Ritsumeikan Univ |
| 10:00~10:50 | Human ventricular cell (hVC) model |
| 10:50~11:10 | Coffee break |
| 11:10~12:00 | Early afterdepolarization (EAD) and arrhythmia |
| 12:00~12:50 | Mitochondrial energy balance |
| 12:50~13:00 | Closing remarks | Jin Han, Inje Univ |