

國立清華大學計算與建模科學研究所

生物數學演講系列

## Lecture Series on Mathematical Biology

ICMS, National Tsin Hua University

in honor of



**Bob Eisenberg**

清大計科所科技部講座教授 MOST Chair Professor, NTHU

Chairman Emeritus, Physiology and Biophysics

Rush University Medical Center, Chicago, USA

*Life Glimpsed through Ion Channels*

*A Living History of Physiology in*

*American Physiological Society*

*November 13, 2015*

1. 1:30-2:20, Jan 2, 2018, GEN III 綜三 837

**Biological Ion Channels: Theory and Simulation**

Jinn-Liang Liu 劉晉良, ICMS, NTHU

2. 9:00-10:00, Jan 16, 2018, GEN III 綜三 837

**Studying Life is Different because Everything is Inherited**

Bob Eisenberg 艾森柏格, Rush University, USA

**3. 10:20-11:00**

Tai-Chia Lin 林太家, Department of Mathematics, National Taiwan University

**4. 11:20-12:00**

**3D Poisson-Boltzmann Computation of KcsA Potassium Channel**

Tzyy-Leng Horng 洪子倫, Department of Applied Mathematics, Feng Chia University

**5. 2:00-2:40**

**Contribution of the Internal Entrance Structure to the Conductance of KcsA channel**

Ren-Shiang Chen 陳仁祥, Department of Life Science, Tunghai University

**6. 2:50-3:30**

**A GPU Poisson-Fermi Solver for Ion Channel Simulations**

Jen-Hao Chen 陳人豪, ICMS, NTHU

**7. 4:00-4:40**

**A Generalized Debye-Hückel Model from the Poisson-Fermi Equation with a Spherically Symmetric Charge Distribution**

Chin-Lung Lee 李金龍, ICMS, NTHU

**8. 4:50-5:30**

Chiun-Chang Lee 李俊璋, ICMS, NTHU

**9. 10-11:30, Jan 23, 2018, GEN III 綜三 837**

**Electricity is Different: Electrodynamics is Universal and Exact, from Protons to Stars**

Bob Eisenberg 艾森柏格, Rush University, USA

Abstracts at <http://cms.web.nthu.edu.tw>