

mini-workshop on

Modeling, Simulation & Analysis of Pattern Formation

July 26 – July 27, 2014

Venue: Kawai Hall, Tohoku University

Shin-Ichiro Ei (Hokkaido University)

FitzHugh-Nagumo equation

Norihisa Ikoma (Tohoku University)

nonlinear eigenvalue problems

Anna Marciniak-Czochra (Heidelberg University)

reaction-diffusion-ode system

Keiji Miura (Tohoku University)

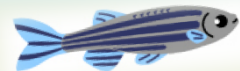
coupled oscillators

Sohei Tasaki (Tohoku University)

motile bacterial colonies

Yongtao Zhang (University of Notre Dame)

computational methods for pattern formation in zebra fish



<http://morpho.sci.tohoku.ac.jp/~morpho/msapf14/>

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“Theory of Differential Equations Applied to Biological Pattern Formation – From Analysis to Synthesis”

▪ Interdisciplinary Mathematics Toward Smart Innovation