Polish–Japanese Workshop on Chemotaxis

7.12 – 8.12.2018 at IMPAN

Friday 7.12 Room 405

10.15 – 10.45 Kentarou Fujie (Tokyo University of Science)
Welcoming issue

11.00 – 12.30 Takayoshi Ogawa (Tohoku University)
Large time behavior and singular limit problem for drift-diffusion system in higher space dimension I

14.00 – 15.30 Piotr Biler (University of Wrocław)
The higher dimensional Keller-Segel model: classical and fractional diffusion, global in time radially symmetric solutions for large initial data, criteria for blowup of solutions in terms of Morrey norms

15.45 – 16.45 Tomasz Cieślak (IMPAN)
Chemorepulsion system: new energy identity and relation to Li-Yau-Hamilton inequality

Saturday 8.12 Room 403

10.15 – 11.45 Takayoshi Ogawa (Tohoku University)
Large time behavior and singular limit problem for drift-diffusion system in higher space dimension II

12.00 – 13.30 Hiroshi Wakui (Tohoku University)
Unboundedness and concentration phenomenon of solutions to a degenerate drift-diffusion equation with the mass critical exponent

Monday 10.12 IMPAN PDEs seminar at Room 106

16.00 – 17.00 Takayoshi Ogawa (Tohoku University)
Maximal regularity for the Cauchy problem of the heat equation in the class of bounded mean oscillation

Organizer: Tomasz Cieślak and Kentarou Fujie