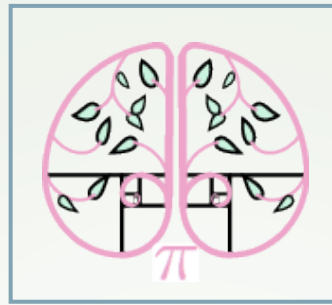


Models of Life

JANUARY 24TH, 2017



Collège de France, 11 Place Marcelin Berthelot, Paris
Seminar Room D2

09:15- 10:45 Boris Gutkin (Group for Neural Theory, École Normale Supérieure, Paris)
Dynamical Mechanisms of Bursting in Dopamine Neurons

10:00 – 10:30 Aleksandra Walczak (Laboratoire de Physique Théorique, École Normale Supérieure)
Diversity of immune receptor repertoires

Coffee Break

10:45 – 11:15 Thibaud Taillefumier (Department of Mathematics, UT Austin)
Microbial consortia at steady supply

11:30 – 12:00 Olivier Rivoire (CIRB – Collège de France)
Information processing in evolving populations

Lunch Break

14:00 – 14:30 Romain Brette (Institut de la Vision, Paris)
Neural geometry and excitability

14:45 - 15:15 Hugues Berry (Inria)
Calcium signals in astrocytes: from intercellular towards subcellular models

15:30 - 16:00 Gianluigi Mongillo (CNRS and Université Paris Descartes)
Inhibitory connectivity defines the realm of excitatory plasticity