

BIOLOGICAL NETWORK DESIGN

DATA ANALYSIS AND STATISTICAL METHODS

IDENTIFICATION OF PATTERNS OR HOMOGENEOUS GROUPS

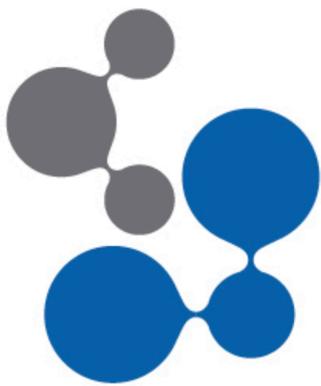
CORRECTION AND NORMALIZATION ON MICROARRAY DATA

MATHEMATICAL MODELING, OPTIMIZATION AND CONTROL

EPIDEMICS ON HUMAN OR ANIMAL POPULATION

15 researchers from 4 research groups of CIDMA

- Probability and Statistics
- Systems and Control Group
- Algebra and Geometry
- Optimization, Graph Theory and Combinatorics



# BIOMATH

## CIDMA] THEMATIC LINE

<https://sites.google.com/view/ltbiomath>

ACTIVITIES 2018

### SCIENTIFIC MEETINGS

- > 5thICCDs'2018 - 5th International Conference on Complex Dynamical Systems in Life Sciences: Modeling and Analysis
- > III Encontro Luso-Galaico de Biometria
- > 2nd Portuguese Meeting in Biomathematics
- > International Symposium on Molecular Logic and Computational Synthetic Biology, Chile

### COST ACTION EVENTS

- > Training School on Optimal Control Theory and Mosquito Control Strategies
- > Working Group Meeting of Cost Action CA16227 – Investigation and Mathematical Analysis of Avant-garde Disease Control via Mosquito Nano-Tech-Repellents

### WORKING VISITS

- > Madalena Chaves, INRIA Sophia Antipolis – Mediterranée, France
- > Winfried Just, Ohio University, EUA

### SEMINARS

- > Helena Mouriño, Faculdade de Ciências, Universidade de Lisboa
- > Cristina Januário, Instituto Superior de Engenharia de Lisboa
- > Jorge Duarte, ISEL and CAMGSD – Universidade de Lisboa
- > Madalena Chaves, INRIA Sophia Antipolis - Mediterranée

### PUBLICATIONS

- > Appl. Math. Lett.
- > Biomed Res Int.
- > Environmetrics
- > Hydrology
- > Interdisciplinary Sciences: Computational Life Sciences
- > J. Bras. Pneumol.
- > Lecture Notes in Computer Science
- > Natural Computing
- > Operational Research. Springer Proc. in Mathematics & Statistics
- > Spine
- > Rehabil. Nurs.

