

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.

