

Mathematical and computational modelling: applications

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In this special session we aim at bringing together researchers from statistical, mathematical, and computational analysis of methods, backgrounds, devoted to the development of computational biology and its practical impact.

- Epidemiological models,
- Control theory and epidemics,
- Deterministic and probabilistic networks in biomathematics.
- Populations Dynamics
- PDEs in Mathematical Biology
- Algorithms for computational biology
- Mathematical modeling and simulation
- Statistical formulations
- Software for applied bioinformatics
- Genomics and systems biology
- Evolution and population genomics
- Biomedical applications
- Biocomputing and biology-inspired algorithms