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### Genetic regulatory networks inference : modeling, parameters estimation & model validation

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## Publications

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1. Yves Fomekong-Nanfack, Jaap A. Kaandorp, and Joke Blom. **Efficient parameter estimation for spatio-temporal models of pattern formation: case study of *Drosophila melanogaster***. *Bioinformatics*, 23(24): 3356 - 3363, 2007.
2. Maksat Ashyraliyev, Yves Fomekong-Nanfack, Jaap A. Kaandorp, and Joke Blom. **Systems biology: parameter estimation for biochemical models**. *FEBS Journal*, 276(4): 886 - 902, 2008.
3. Jiangjun Cui, Jaap A. Kaandorp, Oluṣayo O. Ositelu, Veronica Beaudry, Alicia Knight, Yves Fomekong-Nanfack, and Kyle W. Cunningham. **Simulating calcium in *S. cerevisiae* and free calcium concentrations in yeast**. *Cell Calcium*, 45(2):123 - 132, Feb. 2009.
4. Yves Fomekong-Nanfack, Marten Postma, and Jaap A. Kaandorp. **Inferring *Drosophila* gap gene regulatory network: a parameter sensitivity and perturbation analysis**. *BMC Syst Biol*, 3:94, 2009.
5. Yves Fomekong-Nanfack, Marten Postma, and Jaap A. Kaandorp. **Inferring *Drosophila* gap gene regulatory network: pattern analysis of simulated gene expression profiles and stability analysis**. *BMC Res Notes*, 2:256, 2009.