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Senior Research Scientist, NanoBio Lab, Singapore, 2019-present

Research Associate, Harvard University, USA, 2016-2018

Ph.D. in Physics, National Autonomous University of Mexico, Mexico, 2007

## Publications

1. J. M. Kim, M. Garcia-Alcala, E. Balleza and P. Cluzel, "Stochastic Transcriptional Pulses Orchestrate Flagellar Biosynthesis in *Escherichia Coli*," *Science Advances*, 6 (2020) eaax0947. IF 12.804
2. E. Balleza, J. M. Kim, P. Cluzel, "Systematic Characterization of Maturation Time of Fluorescent Proteins in Living Cells," *Nature Methods*, 15 (2018) 47-51
3. T. Bergmiller, A. Andersson, K. Tomasek, E. Balleza, D. Kiviet, R. Hauschild, G. Tkacik, C. Guet, "Biased Partitioning of the Multidrug Efflux Pump AcrAB-TolC Underlies Long-Lived Phenotypic Heterogeneity," *Science*, 356 (2017) 309-311
4. E. Balleza, L. Lopez-Bojorquez, A. Martinez-Antonio, O. Resendis-Antonio, I. Lozada-Chavez, Y. Balderas-Martinez, S. Encarnacion, J. Collado-Vides, "Regulation by Transcription Factors in Bacteria: Beyond Description," *Fems Microbiology Reviews*, 33 (2009) 133-151
5. E. Balleza, E. Alvarez-Buylla, A. Chaos, S. Kauffman, I. Shmulevich, M. Aldana, "Critical Dynamics in Genetic Regulatory Networks: Examples From Four Kingdoms," *Plos One*, 3 (2008) e2456
6. E. Alvarez-Buylla, E. Balleza, M. Benitez, C. Espinosa-Soto, P. Padilla-Longoria, "Gene Regulatory Network Models: A Dynamic and Integrative Approach to Development," *SEB Experimental Biology Series*, 61 (2008) 113-139
7. E. Alvarez-Buylla, E. Balleza, M. Benitez, C. Espinosa-Soto, P. Padilla-Longoria, "Gene Regulatory Network Models: A Dynamic and Integrative Approach to Development," *Practical Systems Biology*, Chapter 8, Taylor and Francis Publishers (2008)
8. M. Aldana, E. Balleza, S. Kauffman, O. Resendiz, "Robustness and Evolvability in Genetic Regulatory Networks," *Journal of Theoretical Biology*, 245 (2007) 433-448
9. E. Alvarez-Buylla, M. Benitez, E. Balleza, A. Chaos, C. Espinosa-Soto, P. Padilla-Longoria, "Gene Regulatory Network Models for Plant Development," *Current Opinion in Plant Biology*, 10 (2007) 83-91