

Alvaro Sanchez's CV

Mailing Address

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Education

- Ph.D. in Biophysics, Brandeis University (expected 2010)
- M.S. in Physics, University of Minnesota, 2005.
- B.S. in Physics, Universidad Autonoma de Madrid, 2002.

Selected Talks and Conferences

- *9-th Annual Greater Boston Area Statistical Mechanics Meeting*. Waltham, MA, 2007. "Transcriptional control of noise in gene expression."
- *2007 HHMI Pre-doctoral fellows meeting*. Chevy Chase, MD 2007. "Transcriptional control of noise in gene expression."

Selected Other Activities

- Graduate Program in Quantitative Biology, Brandeis University, Waltham, MA. 2006-2008.
- Research Assistant, Institute of Materials Science of Madrid, Madrid, Spain, 2001-2002.
- Research Assistant, Fluorescence Spectroscopy Laboratory, University of Minnesota, MN. 2005.

Honors, Awards and Fellowships

- *La Caixa Fellow* 2003-2005. La Caixa Foundation, Spain.
- *CERN Summer Student fellowship*. 2001. C.E.R.N, Geneva, Switzerland.
- *Tufts University student fellow*, 2001-2002. Tufts University, Medford, MA.

Publications

- Sanchez, A. and Kondev, J. (2008) "Transcriptional control of noise in gene expression." *Proc. Natl. Acad. Sci. USA*, **105**(13):5081-6
- Sanchez-Andres, A., Chen, Y., Muller, J.D. (2005) "Molecular brightness determined from a generalized form of Mandel's Q-parameter." *Biophys J.* **89**(5):3531-47

Abstracts

- Sanchez, A., Hol, F., Wiggins, P. and Kondev, J. “The moment analysis method for analyzing single cell gene expression data” 2009 *Biophys J.* (accepted) To be presented at the 2009 *Biophysical Society Meeting in Boston, MA.*
- Sanchez, A. and J. Kondev “Connecting mechanistic models of transcriptional regulation and single cell gene expression data”. Presented at 2nd *Q-Bio conference on cellular information processing, Santa Fe, NM, 2008*
- Sanchez-Andres, Y. Chen and J.D. Mueller, “Molecular Brightness determined from the dead-time corrected autocorrelation function.” 2005, *Biophys. J.* **88**:655A-655A. *Biophysical Society Meeting, Long Beach, CA, 2005.*
- V. Chiu, S.P. Christiansen, J. Muller, A. Sanchez-Andres, “Prismatic sources of measurement error in large-angle strabismus.” *Journal of the American Association for Pediatric Ophthalmology and Strabismus*, **10**:71-71.