



## Claudia Acquisti

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## Publications

- 9 Acquisti CA, Kumar S & Elser JJ (2009) Signatures of nitrogen limitation in the elemental composition of the proteins involved in the metabolic apparatus. *Proceedings of the Royal Society of London Series B-Biological Sciences* doi:10.1098/rspb.2008.1960.
- 8 Acquisti CA, Elser JJ & Kumar S (2009) Ecological nitrogen-limitation shapes the DNA composition of plant genomes. *Molecular Biology and Evolution* 26:953-956.
- 7 C Acquisti, G Poste, D Curtiss, S Kumar (2007) Nullomers: really a matter of natural selection? *PLoS ONE* 2 (3 pp).
- 6 S Collins, J de Meaux, C Acquisti (2007) Adaptive walks towards a moving optimum. *Genetics* 176:1089-1099.
- 5 C Acquisti, J Kleffe, S Collins (2007) Oxygen limitation of transmembrane protein composition over macroevolutionary time scales, *Nature* 445:47-52.
- 4 C Acquisti, P Allegrini, P Bogani, M Buiatti, E Catanese, L Fronzoni, P Grigolini, G Mersi, L Palatella (2004) In the search for the low-complexity sequences in prokaryotic and eukaryotic genomes: how to derive a coherent picture from global and local entropy measures. *Chaos, Solitons & Fractals* 20:127-137.
- 3 C Acquisti, G Mersi, M Buiatti (2003) A computational model of developing tumor cord. In: "Mathematical Modelling & Computing in Biology and Medicine. (V.Capasso Ed.), The MIRIAM Project Series, Progetto Leonardo, ESCULAPIO Pub. Co., Bologna, Italy.
- 2 M Buiatti, C Acquisti, G Mersi, P Bogani, L Fronzoni (2003). The living state of matter: between white noise and homeorhetic constraints. M.Gell-Mann and C.Tsallis Eds. In: *Non extensive entropy-Interdisciplinary applications*. Oxford University Press.
- 1 M Buiatti, C Acquisti, G Mersi, P Bogani, M.jr. Buiatti (2002) The biological meaning of DNA correlations. *Mathematics and Biosciences in Interaction* Birkhäuser Press, Basel, Boston and Berlin.

## Awards and Membership

Society for Molecular biology and Evolution (SMBE) member

Italian Society for Evolutionary biology (ISEB) member

Award Canestrini ISEB 2006 for the best presentation

German Academic Exchange Service (DAAD) fund award for doctoral candidate - 2004

CUBIC fund award for highly qualified student , Universität zu Köln, Germany – Accademic year 2003-2004

Italian Ministry for University and Research fund award for doctoral studies- 2000-2003