Curriculum Vitae Mikel Valle

Date of birth 2 March 1970
Nationality Spanish

Current position

Head of Electron Microscopy Lab
Structural Biology Unit
Centre for cooperative research in biosciences (CICbioGUNE)
Biscay Technology Park, Building 800
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Professional trajectory

2004-2006	Researcher Spanish Research Council CSIC
2003-2004	"Ramón y Cajal" Postdoctoral Fellow CNB-CSIC
1999-2003	Associate Researcher HHMI Albany, USA
1998-1999	Postdoctoral research fellow CNB-CSIC

Academic

1993-1998	PhD in Molecular BiologyProf. José L. Carrascosa and Prof. José M. Valpuesta National Centre for Biotechnology, CNB-CSIC Autonomous University of Madrid
1992-1993	Research student Department of Animal Physiology
1988-1993	B.Sc. in Biology University of the Basque Country

Competitive awards

2003	"Ramón y Cajal" postdoctoral fellow awarded
2006	Bizkaia:xede award for recruitment of highly qualified researchers

Other merits

Member of the "Electron Microscopy Society of Spain" and the "European Electron Microscopy Society"

Organizing comity o the international "Structural Biology Workshop" (three editions)

Selected Publications

1. Julián, P., A.L. Konevega, S.H.W. Scheres, M. Lázaro, D. Gil, W. Wintermeyer, M.V. Rodnina, and M. Valle, *Structure of ratcheted ribosomes with tRNAs in hybrid states.* Proceedings of the National Academy of Sciences, 2008. **105**(44): p. 16924.
2. Tidow, H., R. Melero, E. Mylonas, S. Freund, J.G. Grossmann, J.M. Carazo, D.I. Svergun, M. Valle, and A.R. Fersht, *Quaternary structures of tumor suppressor p53 and a specific p53–DNA complex.* Proceedings of the National Academy of Sciences, 2007. **104**(30): p. 12324.
3. Scheres, S.H.W., H. Gao, M. Valle, G.T. Herman, P.P.B. Eggermont, J. Frank, and J.M. Carazo, *Disentangling conformational states of macromolecules in 3D-EM through likelihood optimization.* Nature Methods, 2007. **4**: p. 27-29.
4. Valle, M., X.S. Chen, L.E. Donate, E. Fanning, and J.M. Carazo, *Structural basis for the cooperative assembly of large T antigen on the origin of replication.* Journal of Molecular Biology, 2006. **357**(4): p. 1295-1305.
5. Gao, N., A.V. Zavialov, W. Li, J. Sengupta, M. Valle, R.P. Gursky, M. Ehrenberg, and J. Frank, *Mechanism for the disassembly of the posttermination complex inferred from cryo-EM studies.* Molecular cell, 2005. **18**(6): p. 663-674.
6. Valle, M., A. Zavialov, J. Sengupta, U. Rawat, M. Ehrenberg, and J. Frank, *Locking and unlocking of ribosomal motions.* Cell, 2003. **114**(1): p. 123-134.
7. Valle, M., A. Zavialov, W. Li, S.M. Stagg, J. Sengupta, R.C. Nielsen, P. Nissen, S.C. Harvey, M. Ehrenberg, and J. Frank, *Incorporation of aminoacyl-tRNA into the ribosome as seen by cryo-electron microscopy.* Nature structural biology, 2003. **10**: p. 899-906.
8. Valle, M., R. Gillet, S. Kaur, A. Henne, V. Ramakrishnan, and J. Frank, *Visualizing tmRNA Entry into a Stalled Ribosome.* Science, 2003. **300**(5616): p. 127.
9. Rawat, U.B.S., A.V. Zavialov, J. Sengupta, M. Valle, R.A. Grassucci, J. Linde, B. Vestergaard, M. Ehrenberg, and J. Frank, *A cryo-electron microscopic study of ribosome-bound termination factor RF2.* Nature, 2003. **421**(6918): p. 87-90.
10. Gao, H., J. Sengupta, M. Valle, A. Korostelev, N. Eswar, S.M. Stagg, P. Van Roey, R.K. Agrawal, S.C. Harvey, and A. Sali, *Study of the structural dynamics of the E. coli 70S ribosome using real-space refinement.* Cell, 2003. **113**(6): p. 789-801.
11. Valle, M., J. Sengupta, N.K. Swami, R.A. Grassucci, N. Burkhardt, K.H. Nierhaus, R.K. Agrawal, and J. Frank, *Cryo-EM reveals an active role for aminoacyl-tRNA in the accommodation process.* The EMBO Journal, 2002. **21**: p. 3557-3567.
12. Valle, M., C. Gruss, L. Halmer, J.M. Carazo, and L.E. Donate, *Large T-antigen double hexamers imaged at the simian virus 40 origin of replication.* Molecular and Cellular Biology, 2000. **20**(1): p. 34-41.