

Curriculum Vitae

Personal Data:

Name: Javier Martinez Date of Birth: January 29th, 1965
Nationality: Argentine and Spanish Place of Birth: Buenos Aires, Argentina
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Education:

1990-1995: PhD thesis, University of Buenos Aires, Institute Leloir. "Biochemistry of cysteine proteinases in *Trypanosoma cruzi*."
1984-1989: Studies in Biology, Molecular Genetics.

Current Position: Professor, MFPL, Medical University Vienna.

Previous Positions:

2016: Group Leader, MFPL, Medical University of Vienna.
2004-2015: Junior Group Leader at IMBA: "RNA metabolism in mammalian cells"
2001-2004: Post-Doc with Dr. Thomas Tuschl (Max Planck Institute for Biophysical Chemistry Göttingen) and The Rockefeller University (New York).
1995-2000: Post-Doc with Dr. Anders Virtanen; University Uppsala, Sweden.

Awards:

2015: EMBO Membership.
2007: European Young Investigator (EMBO-YIP) Award.
2007: Bio-Rad European RNAi Award.

Supervision of graduate students and Post-Doctoral Fellows, and their current positions: I have trained 10 PhD students (7 graduated already; 3 are in progress) and 7 Post-Docs (5 currently working in my Lab).

Management Training:

2008: EMBO Advanced Leadership Skills Training Course: Conflict management.
2005: EMBO Laboratory Management Course: The Art of Leadership.

Editorial Activities:

Since 2009: Member of the Editorial Board of EMBO Journal and EMBO Reports.
Reviewer for Cell, Science, Nature, eLife, Molecular Cell, NSMB, RNA, PLoSBiology, N.A.R.

Teaching:

2017: Molecular Medicine Series and The Molecular Biology of RNA Series.
2005-2017: RNAi Revolution – Advanced Cell Biology Series, University of Vienna.
2004-2010: RNA Silencing - Epigenetics Series, University of Vienna.
1998-2000: Molecular Genetics Course, University of Uppsala.

The ten most important publications in my career:

J. Jurkin[§], T. Henkel[§], A. Færch Nielsen, M. Minnich, J. Popow, T. Kaufmann, K. Heindl, T. Hoffmann, M. Busslinger and J. Martinez. (2014). **The mammalian tRNA ligase complex mediates splicing of *XBP1* mRNA and controls antibody secretion in plasma cells.** [§]Co-first authors. **EMBO J.** Dec 17;33(24):2922-36. Cit: 31

Popow, J., Jurkin J., Schleiffer, A., and Martinez, J. (2014). **Analysis of eukaryotic orthologous groups reveals Archease and DDX1 as tRNA splicing factors.** **Nature.** Jul 3;511(7507):104-7. Cit: 26

E. Karaca[#], S. Weitzer[#], D. Pehlivan[#], H. Shiraishi[#], T. Gogakos, T. Hanada, S. Jhangiani, W. Wiszniewski, M. Withers, I. Campbell, S. Erdin, S. Isikay, L. Franco, C. Gonzaga-Jauregui, T. Gambin, V. Gelowani, J. Hunter, G. Yesil, E. Koparir, S. Yilmaz, M. Brown, D. Briskin, M. Hafner, P. Morozov, T. Farazi, C. Bernreuther, M. Glatzel, S. Trattng, J. Friske, C. Kronnerwetter, M. Bainbridge, A. Gezdirici, M. Seven, D. Muzny, E. Boerwinkle, M. Ozen, T. Clausen, T. Tuschl, A. Yuksel, A. Hess, R. Gibbs, J. Martinez*, J. Penninger*, J. Lupski*. [#] co-first authors, *co-corresponding authors. (2014). **Identification of a novel human neurological syndrome defined by *CLP1* mutations that impair tRNA splicing.** **Cell.** 157(3): 636-650. Cit: 51

Hanada, T.*[§], Weitzer, S.*[§], Mair, B., Bernreuther, C., Wainger, B.J., Ichida, J., Hanada, R., Orthofer, M., Cronin, S.J., Komnenovic, V., Minis, A., Sato, F., Mimata, H., Yoshimura, A., Tamir, I., Rainer, J., Kofler, R., Yaron, A., Eggan, K.C., Woolf, C.J., Glatzel, M., Herbst, R., Martinez, J.[§], and Penninger, J.M.[§] (2013). **The RNA kinase CLP1 links tRNA metabolism to progressive motor-neuron loss.** *co-first authors; [§]co-corresponding authors. *Nature*. Mar 28;495(7442):474-80. Cit: 59

Popow, J.*[†], Englert, M.*[†], Weitzer, S., Schleiffer, A., Mierzwa, B., Mechtler, K., Trowitzsch, S., Will, C.L., Lührmann, R., Söll, [†]D., and Martinez, J.[†] (2011). **HSPC117 is the essential subunit of a human tRNA splicing ligase complex.** *co-first authors; [†]co-corresponding authors. *Science*. Feb 11;331(6018):760-4. Cit: 74

Heindl, K., Martinez, J. (2010). **Nol9 is a novel polynucleotide 5'-kinase involved in ribosomal RNA processing.** *EMBO J*. 29(24):4161-71. Cit: 13

Ameres, S.L., Martinez, J.*[§], Schroeder, R.*[§] (2007). **Molecular basis for target RNA recognition and cleavage by human RISC.** *Cell*. 130(1):101-12. * co-corresponding authors. Cit: 257

Weitzer, S., Martinez, J. (2007). **The human RNA kinase hClp1 is active on 3' transfer RNA exons and short interfering RNAs.** *Nature*. 447(7141):222-6. Cit: 102

J. Martinez, A. Patkaniowska, H. Urlaub, R. Lührmann and T. Tuschl. (2002). **Single-stranded antisense siRNAs guide target RNA cleavage in RNAi.** *Cell*, 110, 563-574. Cit: 890

J. Martinez*, Y. Ren*, A.Ch. Thuresson, U. Hellman, J. Astrom and A. Virtanen. (2000). **A 54 kDa fragment of the PARN nuclease is a processive and cap interacting poly(A) specific 3' exonuclease.** *J. Biol. Chem.*, 275, 24222-24230. *authors contributed equally to the work. Cit: 72

I published 58 papers throughout my scientific career, with 8341 citations and H-index=31 (Google Scholar).