CURRICULUM VITAE

Marcelo Javier Yanovsky

1. Cargos actuales

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2. Estudios de Grado y Post-grado

- Licenciado en Ciencias Biológicas, Universidad de Buenos Aires, 1987-1993.
- Doctor en Ciencias Biológicas, Universidad de Buenos Aires, 1994-1999.
- Post-doctorado, The Scripps Research Institute, La Jolla, USA, 2000-2003.

3. Premios y distinciones

- Beca Guggenheim, Biología Vegetal, 2011.
- Howard Hughes Medical Institute International Scholar, 2007-2011.
- Premio Fundación Bunge y Born, Investigador Joven, Biología de Plantas, 2006.
- Premio Bernardo Houssay, Investigador Joven, Ciencias Biomédicas 2005.

4. Antecedentes en Investigación:

a) Diez publicaciones más destacadas (de un total de 95)

1) Mateos JL, Sanchez SE, Legris M, Esteve-Bruna D, Torchio JC, Petrillo E, Goretti D, Blanco-Touriñán N, Seymour DK, Schmid M, Weigel D, Alabadí D, Yanovsky MJ. PICLN modulates alternative splicing and light/temperature responses in plants (2022). Plant Physiol. doi: 10.1093/plphys/kiac527. Online ahead of print.
2) de Leone MJ, Hernando CE, Romanowski A, Careno DA, Soverna AF, Sun H, Bologna NG, Vázquez M, Schneeberger K, Yanovsky MJ. Bacterial Infection Disrupts Clock Gene Expression to Attenuate Immune Responses (2020). Current Biol. May 4;30(9):1740-1747.e6.
3) Schlaen R.G., Mancini E., Sanchez S.E., Perez Santángelo S.P., Rugnone M.L., Simpson C.G., Brown J.W.S., Zhang X., Chernomoretz A., Yanovsky M.J. (2015). GEMIN2 attenuates the effects of temperature on alternative splicing and circadian rhythms in Arabidopsis thaliana. Proc Natl Acad Sci U S A., 112: 9382-7.

4) Rugnone ML, Faigón Soverna A, Sanchez SE, Schlaen RG, Hernando CE, Seymour DK, Mancini E, Chernomoretz A, Weigel D, Más P, Yanovsky MJ (2013). LNK genes integrate light and clock signaling networks at the core of the Arabidopsis oscillator. Proc Natl Acad Sci U S A. 110 (29): 12120-5.
5) Sánchez SE, Petrillo E, Beckwith EJ, Zhang Xu, Rugnone ML, Hernando CE, Cuevas J, Godoy Herz MA, Depetris-Chauvin A, Simpson CG, Brown JWS, Cerdán PD, Borevitz JO, Mas P, Ceriani MF, Kornblihtt AR & Yanovsky MJ (2010). A methyl transferase links the circadian clock to the regulation of alternative splicing. Nature, 468, 112-116.
6) Faigón-Soverna A; Harmon FG; Storani L; Karayekov E; Staneloni RJ; Gassmann W; Más P; Casal JJ; Kay SA; Yanovsky MJ. (2006). A constitutive shade-avoidance mutant implicates TIR-NBS-LRR proteins in Arabidopsis photomorphogenic development. Plant Cell 18:2919-2928.
7) MJ Yanovsky, SA Kay (2003). Living by the calendar: "How plants know when to flower". Nature Rev. Mol. Cell Biol., 4, 265-276.
8) MJ Yanovsky, SA Kay (2002). Molecular Basis of Seasonal Time Measurement. Nature, 419, 308-312.
9) D Alabadí*, T Oyama*, MJ Yanovsky*, FG Harmon, P Mas and SA Kay (2001). Reciprocal regulation between TOC1 and LHY/CCA1 within the Arabidopsis circadian clock. Science, 293, 880-883. * Co-first authors.
10) M.J. Yanovsky, J.J. Casal, J.P. Luppi (1997). The VLF loci, polymorphic between ecotypes Landsberg erecta and Columbia, dissect two branches of phytochrome A signal transduction that correspond to very-low-fluence and high-irradiance responses. The Plant Journal, 12, 659-667.

b) Otras publicaciones

1) de Leone MJ, Yanovsky MJ. The circadian clock and thermal regulation in plants: novel insights into the role of positive circadian clock regulators in temperature responses. J Exp Bot. 2024 May 20;75(10):2809-2818. doi: 10.1093/jxb/erae045
2) Agrofoglio YC, Iglesias MJ, Perez-Santángelo S, de Leone MJ, Koester T, Catalá R, Salinas J, Yanovsky MJ, Staiger D, Mateos JL. Arginine methylation of SM-LIKE PROTEIN 4 antagonistically affects alternative splicing during Arabidopsis stress responses. Plant Cell. 2024 May 29;36(6):2219-2237. doi: 10.1093/plcell/koae051.
3) Careno DA, Assaf CH, Eggermont EDC, Canelo M, Cerdan PD, Yanovsky MJ. Role of Phytochromes in Red Light-Regulated Alternative Splicing in Arabidopsis thaliana: Impactful but Not Indispensable. Cells vol 12 (20), p. 2447 (2023).
4) Beckel MS, Kaufman B, Yanovsky M, Chernomoretz A. Conserved and divergent signals in 5' splice site sequences across fungi, metazoa and plants. PLoS Comput Biol. 2023 Oct 13;19(10):e1011540. doi: 10.1371/journal.pcbi.1011540.
5) Maria L Sorkin, Shin-Cheng Tzeng, Stefanie King, Andrés Romanowski, Nikolai Kahle, Rebecca Bindbeutel, Andreas Hiltbrunner, Marcelo J Yanovsky, Bradley S Evans, Dmitri A Nusinow. COLD REGULATED GENE 27 and 28 antagonize the transcriptional activity of the RVE8/LNK1/LNK2 circadian complex. Plant Physiology, 2023, 192(3):2436-2456.
6) Christian D Lorenzo, Pedro García-Gagliardi, María Laura Gobbini, Santiago N Freytes, Mariana S Antonietti, Estefanía Mancini, Carlos A Dezar, Gerónimo Watson, Marcelo J Yanovsky, Pablo D Cerdán. *MsTFL1A* delays flowering and regulates shoot architecture and root development in *Medicago sativa*. Plant Reproduction, May 2023. doi: 10.1007/s00497-023-00466-7. Online ahead of print.

7) DA Careno, S Perez Santangelo, RC Macknight, MJ Yanovsky. The 5′-3′ mRNA Decay Pathway Modulates the Plant Circadian Network in *Arabidopsis*. Plant and Cell Physiology, 2022, 63 (11), 1709-1719
8) Rossi AH, Ojeda DS, Varese A, Sanchez L, Gonzalez Lopez Ledesma MM, Mazzitelli I, Alvarez Juliá A, Oviedo Rouco S, Pallarés HM, Costa Navarro GS, Rasetto NB, Garcia CI, Wenker SD, Ramis LY, Bialer MG, de Leone MJ, Hernando CE, Sosa S, Bianchimano L, Rios AS, Treffinger Cienfuegos MS, Caramelo JJ, Longueira Y, Laufer N, Alvarez DE, Carradori J, Pedrozza D, Rima A, Echegoyen C, Ercole R, Gelpi P, Marchetti S, Zubieta M, Docena G, Kreplak N, Yanovsky M, Geffner J, Pifano M, Gamarnik AV. Sputnik V vaccine elicits seroconversion and neutralizing capacity to SARS-CoV-2 after a single dose. Cell Rep Med. 2021 Aug 17;2(8):100359.
9) Romero-Montepaone, S; Sellaro, R; Hernando, CE; Costigliolo-Rojas, C; Bianchimano, L; Ploschuk, E; Yanovsky, M; Casal, J. Functional convergence of growth responses to shade and warmth in Arabidopsis. New Phytologist, 2021 Sep;231(5):1890-1905.
10) Mancini EM*, Rabinovich A*, Iserte JA*, Yanovsky MJ, Chernomoretz A (2021). AASpli: Integrative analysis of splicing landscapes through RNA-Seq assays. Bioinformatics 2021, vol 37, 2609-2616.
11) Ojeda DS, Gonzalez Lopez Ledesma MM, Pallarés HM, Costa Navarro GS, Sanchez L, Perazzi B, Villordo SM, Alvarez DE; BioBanco Working Group, Echavarria M, Oguntuyo KY, Stevens CS, Lee B, Carradori J, Caramelo JJ, Yanovsky MJ, Gamarnik AV (2021). Emergency response for evaluating SARS-CoV-2 immune status, seroprevalence and convalescent plasma in Argentina. PLoS Pathog. 2021 Jan 14;17(1):e1009161.
12) de Leone MJ, Hernando CE, Mora-García S, Yanovsky MJ. It's a matter of time: the role of transcriptional regulation in the circadian clock-pathogen crosstalk in plants. Transcription. 2020 Jun-Aug;11(3-4):100-116.
13) Parry G, Provart NJ, Brady SM, Uzilday B; Multinational Arabidopsis Steering Committee. Current status of the multinational Arabidopsis community. Plant Direct. 2020 Aug 2;4(7):e00248. doi: 10.1002/pld3.248. eCollection 2020 Jul.
14) Esteve-Bruna D, Carrasco-López C, Blanco-Touriñán N, Iserte J, Calleja-Cabrera J, Perea-Resa C, Úrbez C, Carrasco P, Yanovsky MJ, Blázquez MA, Salinas J, Alabadí D. Prefoldins contribute to maintaining the levels of the spliceosome LSM2-8 complex through Hsp90 in Arabidopsis. Nucleic Acids Res. 2020 Jun 19;48(11):6280-6293.
15) Romanowski A, Schlaen RG, Perez-Santangelo S, Mancini E, Yanovsky MJ. Global transcriptome analysis reveals circadian control of splicing events in Arabidopsis thaliana. Plant J. 2020 Jul;103(2):889-902.
16) Lorenzo CD, García-Gagliardi P, Antonietti MS, Sánchez-Lamas M, Mancini E, Dezar CA, Vazquez M, Watson G, Yanovsky MJ, Cerdán PD. Improvement of alfalfa forage quality and management through the down-regulation of MsFTa1. Plant Biotechnol J. 2020 Apr;18(4):944-954. doi: 10.1111/pbi.13258. Epub 2019 Oct 13.
17) Tognacca RS, Servi L, Hernando CE, Saura-Sanchez M, Yanovsky MJ, Petrillo E and Botto JF (2019). Alternative splicing regulation during light-induced germination of Arabidopsis thaliana sedes. Frontiers in Plant Sciences. August 7. Doi: 10.3389/fpls.2019.01076.
18) Hernando CE, García-Hourquet M, de Leone MJ, Careno DA, Iserte J, Mora García S, Yanovsky MJ (2019). A role for pre-mRNA-PROCESSING PROTEIN 40C in the control of growth, development and stress tolerance in Arabidopsis thaliana. Frontiers in Plant Sciences. Jul 22. Doi: 10.3389/fpls.2019.01019.

19) Lorenzo CD, Alonso Iserte J, Sanchez Lamas M, Antonietti MS, Garcia Gagliardi P, Hernando CE, Dezar CAA, Vazquez M, Casal JJ, Yanovsky MJ, Cerdán PD (2019). Shade delays flowering in Medicago sativa. Plant J. Mar 29. doi: 10.1111/tpj.14333.
20) de Leone MJ, Hernando CE, Romanowski A, García-Hourquet M, Careno D, Casal J, Rugnone M, Mora-García S, Yanovsky MJ. The LNK Gene Family: At the Crossroad between Light Signaling and the Circadian Clock. Genes (Basel). 2018 Dec 20;10(1).
21) Mora García S, Yanovsky MJ. (2018). Large deletion within the clock gene *LNK2* contributed to the spread of tomato cultivation from Central America to Europe. Proc Natl Acad Sci U S A.; 115: 6888-6890.
22) Osella AV, Mengarelli DA, Mateos J, Dong S, Yanovsky MJ, Balazadeh S, Valle EM, Zanor MI.(2018). FITNESS, a CCT domain-containing protein, deregulates reactive oxygen species levels and leads to fine-tuning trade-offs between reproductive success and defense responses in Arabidopsis. Plant Cell Environ. May 31. doi: 10.1111/pce.13354.
23) Pucciariello O, Legris M, Costigliolo Rojas C, Iglesias MJ, Hernando CE, Dezar C, Vazquez M, Yanovsky MJ, Finlayson SA, Prat S, Casal JJ. (2018). Rewiring of auxin signaling under persistent shade. Proc Natl Acad Sci U S A.;115(21):5612-5617.
24) Beckwith EJ, Hernando CE, Polcowñuk S, Bertolin AP, Mancini E, Ceriani MF, Yanovsky MJ. (2018). Rhythmic Behavior Is Controlled by the SRm160 Splicing Factor in *Drosophila melanogaster*. Genetics; 207(2):593-607.
25) Xin R, Zhu L, Salomé PA, Mancini E, Marshall CM, Harmon FG, Yanovsky MJ, Weigel D, Huq E. (2017). SPF45-related splicing factor for phytochrome signaling promotes photomorphogenesis by regulating pre-mRNA splicing in *Arabidopsis*. Proc Natl Acad Sci U S A. 114(33):E7018-E7027.31.
26) Mora-García S, de Leone MJ, Yanovsky M. Time to grow: circadian regulation of growth and metabolism in photosynthetic organisms. Curr Opin Plant Biol. 2017 Feb;35:84-90.
27) De Maio F, Risso G, Iglesias G, Shah P, Pozzi B, Gebhard L, Mammi P, Mancini E, Yanovsky M, Andino R, Krogan N, Srebrow A, and Gamarnik A. Dengue Virus NS5 Protein Intrudes in the Cellular Spliceosome and Modulates Splicing. PLOS Pathogens, Aug 30; 12 (8): e1005841. doi:10.1371.
28) Hernando CE, Romanowski A, Yanovsky MJ. Transcriptional and post-transcriptional control of the plant circadian gene regulatory network. Biochim Biophys Acta. 2016 Jul 10. pii: S1874-9399(16)30133-X.
29) Yanovsky MJ, Mora-García S. The sun doesn´t shine equally on everyone. New Phytol. 2016 Jul;211(2):377-8.
30) Mancini E, Sanchez SE, Romanowski A, Schlaen RG, Sanchez-Lamas M, Cerdán PD, Yanovsky MJ. Acute Effects of Light on Alternative Splicing in Light-Grown Plants. Photochem Photobiol. 2016 Jan-Feb;92(1):126-33.
31) Krzymuski M, Andrés F, Cagnola JI, Yanovsky MJ, Coupland G, Casal JJ (2015). The dynamics of FLOWERING LOCUS T expression encodes long-day information. Plant J. 83: 952-61.
32) Perez García P, Ma Y, Yanovsky MJ, Mas P (2015). Time-dependent sequestration of RVE8 by LNK proteins shapes the diurnal oscillation of anthocyanin biosynthesis. Proc Natl Acad Sci U S A, 112:5249-53.
33) Romanowski A, Yanovsky MJ (2015). Circadian rhythms and post-transcriptional regulation in higher plants. Front. Plant Sci. 6: 437.
34) Storani L, Hernando CE, Staneloni RJ, Ploschuk E, Rugnone ML, Striker GG, Casal JJ, Chernomoretz A, Yanovsky MJ (2015). AtCBF1 overexpression confers tolerance to high

light conditions at warm temperatures in potato plants. American Journal of Potato Research 92 (6), 619-635.

35) Hernando CE, Sanchez SE, Mancini E, Yanovsky MJ (2015). Genome wide comparative analysis of the effects of PRMT5 and PRMT4/CARM1 arginine methyltransferases on the Arabidopsis thaliana transcriptome. BMC Genomics. 16:192.
36) Petrillo E, Godoy Herz, MA, Fuchs A, Reifer D, Fuller J, Yanovsky MJ, Simpson C, Brown JWS, Barta A, Kalyna M, Kornblihtt AR (2014). A Chloroplast Retrograde Signal Regulates Nuclear Alternative Splicing. Science, 344: 427-30.
37) Perez Santángelo, S., Mancini, E., Francey, L.J., Schlaen, R.G., Chernomoretz, A., Hogenesch, J.B., Yanovsky, M.J (2014). Role for LSM genes in the regulation of circadian rhythms. Proc Natl Acad Sci U S A., 111: 15166-71.
38) Beckwith EJ, Yanovsky MJ (2014). Circadian regulation of gene expression: at the crossroads of transcriptional and post-transcriptional regulatory networks. Current Opinion in Genetics and Development, 27:35-42.
39) Karayekov E, Sellaro R, Legris M, Yanovsky MJ, Casal JJ (2013). Heat ShockInduced Fluctuations in Clock and Light Signaling Enhance Phytochrome BMediated Arabidopsis Deetiolation. Plant Cell, 25: 2892-906.
40) Sanchez SE, Yanovsky MJ (2013). Time for a change. E-life. Apr 30;2:e00791.
41) Perez-Santángelo S, Schlaen RG, Yanovsky MJ (2013).Genomic analysis reveals novel connections between alternative splicing and circadian regulatory networks. Brief Funct Genomics, 12(1):13-24.
42) Sellaro R, Yanovsky MJ, Casal JJ (2011). Repression of shade-avoidance reactions by sunfleck induction of HY5 expression in Arabidopsis. Plant J., 68:919-28.
43) Sanchez SE, Petrillo E, Kornblihtt AR, Yanovsky MJ (2011). Alternative splicing at the right time. RNA Biol. 8(6):954-9.
44) Barfield CA, Barney RS, Crudder CH, Wilmoth JL, Stevens SD, Mora-García S, Yanovsky MJ, Weigl BH, Yanovsky JF (2011). A Highly Sensitive Rapid Diagnostic Test for Chagas Disease That Utilizes a Recombinant Trypanosoma cruzi Antigen, in *IEEE Transactions on Biomedical Engineering*, vol. 58, no. 3, pp. 814-817, March 2011, doi: 10.1109.
45) Sanchez SE, Cagnola JI, Crepy M, Yanovsky MJ, Casal JJ (2011). Balancing forces in the photoperiodic control of flowering. Photochem Photobiol Sci., 10, 451-460.
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47) Petrillo E, Sanchez SE, Kornblihtt AR, Yanovsky MJ (2011). Alternative splicing adds a new loop to the circadian clock. Commun Integr Biol. 4(3):284-6.
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49) Vallejo A, Yanovsky MJ, Botto JF (2010). Germination variation in Arabidopsis thaliana accessions under moderate osmotic and salt stresses. Annals of Botany, 106, 833-42.
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52) Más P and Yanovsky MJ (2009). Time for circadian rhythms: Plants get synchronized. Current Opinion in Plant Biology, 12, 1-6.
53) Sellaro R, Hoecker U, Yanovsky M, Chory J, Casal JJ. Synergism of red and blue light in the control of Arabidopsis gene expression and development. Current Biology, 19, 1216-1220.
54) Boccalandro, H., Rugnone, M., Ploschuk, E., Serna, L., Yanovsky, M.J., Casal, J.J. (2009). Phytochrome B enhances photosynthesis at the expense of water-use efficiency in Arabidopsis. Plant Physiology, 150, 1083-92.
55) Rutitzky M, Ghiglione HO, Curá JA, Casal JJ and Yanovsky MJ (2009). Comparative genomic analysis of light-regulated transcripts in the Solanaceae. BMC Genomics 2009, 10:60.
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57) Crepy, M., Yanovsky, M.J., Casal, J.J. (2007). Blue Rhythms Between GIGANTEA and Phytochromes. Plant Signaling and Behavior 2 (6), pp. 530-532.
58) Oliverio KA, Crepy M, Martin-Tryon EL, Milich R, Harmer SL, Putterill J, Yanovsky MJ, Casal JJ. (2007). GIGANTEA regulates phytochrome A-mediated photomorphogenesis independently of its role in the circadian clock. Plant Physiol 144:495-502.
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64) PF Devlin* MJ Yanovsky* and SA Kay (2003). A genomic analysis of the shade avoidance response in Arabidopsis. Plant Physiology, 133, 1617-1629.* co-primer autor.
65) Boccalandro, H.E., Ploschuk, E., Yanovsky, M.J., Sánchez, R.A., Gatz, C., Casal, J.J. (2003). Increased phytochrome B alleviates density effects on tuber yield of field potato crops. Plant Physiology, 133, 1539-1546.
66) P. Más, D. Alabadí, MJ Yanovsky, T. Oyama, SA Kay (2003). Dual role of TOC1 in the control of circadian and photomorphogenic responses in Arabidopsis. The Plant Cell, 15, 223-236.
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domain of phytochrome A impairs subnuclear localization and a subset of responses. The Plant Cell, 14, 1591-1603.

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74) M.J. Yanovsky, Mazzella MA, Whitelam GC, Casal JJ (2001). Resetting of the circadian clock by phytochromes and cryptochromes in Arabidopsis. J Biol Rhythm, 16, 523-530.

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76) M.J. Yanovsky, M.A. Mazzella, and J.J. Casal (2000). A quadruple photoreceptor mutant still keeps track of time. Current Biology 10, 1013-1015.

77) M.J. Yanovsky, M. Izaguire, J.A. Wagmaister, C. Gatz, S.D. Jackson, B. Thomas and J.J. Casal (2000). Phytochrome A resets the circadian clock and delays tuber formation under long days in potato. The Plant Journal 23, 223-232.

78) M.J. Yanovsky, G.C. Whitelam, J.J. Casal (2000). fhy3-1 retains inductive responses of phytochrome A. Plant Physiology, 123, 235-242.

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80) P.D. Cerdán, M.J. Yanovsky, F.C. Reymundo, A. Nagatani, R.J. Staneloni, G.C. Whitelam and J.J. Casal (1999). Regulation of phytochrome B signaling by phytochrome A and FHY1 in Arabidopsis thaliana. The Plant Journal 18, 499- 509.

81) M.J. Yanovsky, T.M. Alconada-Magliano, M.A. Mazzella, C. Gatz, B.Thomas and J.J. Casal (1998). Phytochrome A affects stem growth, anthocyanin synthesis, sucrose-phosphate-synthase activity and neighbour detection in sunlight-grown potato. Planta , 205, 235-241.

82) J.J. Casal, R.A. Sanchez, M.J. Yanovsky (1997). The function of phytochrome A. Plant, Cell & Environment, 20, 813-819.

83) C.L. Ballaré, A.L. Scopel, A.E. Stapleton, M.J. Yanovsky (1996). Solar ultravioletB radiation affects seedling emergence, DNA integrity, plant morphology, growth rate, and attractiveness to herbivore insects in Datura ferox. Plant Physiology, 112, 161-170.

84) M.J. Yanovsky, J.J. Casal and G.C. Whitelam (1995). Phytochrome-A, phytochrome-B and HY4 are involved in hypocotyl growth-resoponses to natural radiation in Arabidopsis – Weak de-etiolation of the phyA mutant under dense canopies. Plant, Cell & Environment 18, 788-794.

85) M.J. Yanovsky, J.J. Casal, G.L. Salerno and R.A. Sánchez (1995). Are phytochrome mediated effects on leaf growth, carbon partitioning and extractable sucrose-phosphate synthase activity the mere consequence of stem-growth responses in light-grown mustard? Journal of Experimental Botany 46, 753-757

c) Subsidios recibidos en los últimos años

- PICT 2020, ANPCyT, Categoría Grupos Formados, 2021-2023
- PICT 2016, ANPCyT, Categoría Grupos Formados, 2017-2019.
- PICT 2015, ANPCyT, categoría V (grupos consolidados internacionalmente), 2016-2019.
- PID en colaboración con el INDEAR, 2015-2018.
- PICT 2013, ANPCyT en colaboración con el Instituto Max-Planck, 2014-2017.
- PICT 2011, ANPCyT, categoría V (grupos consolidados internacionalmente), 2012-2015.
- International Centre for Genetic Engeneering & Biotechnology, 2012-2015.

d) Formación de recursos humanos

Dirección Investigadores Asistentes:

- Dr. Javier Wagmaister, 2008. Actualmente en Bayer Cropscience.
- Dra. María José de Leone, 2021-. Actualmente integrante de nuestro grupo de investigación.

Dirección de becarios post-doctorales:

- Dr. Hernán Boccalandro, 2005-2006. Beca CONICET. Luego Investigador Adjunto CONICET y Profesor en la Universidad Nacional de Cuyo.
- Dra. Sabrina Sanchez, 2011-2013. Beca CONICET. Actualmente becaria post-doctoral PEW en USC, Los Angeles, USA.
- Dra. Ana Faigón, 2011-2013. Actualmente en el Museo de Ciencias Naturales.
- Dr. Esteban Beckwith, 2012-2013, Beca Bunge y Born, 2014-2015, Beca CONICET. Director. Actualmente Post-doc en Imperial College, London, UK.
- Dr. Andrés Romanowski, 2013-2014, Beca CONICET, 2015-2016, Beca Bunge y Born. Director. Actualmente Post-doc en la Universidad de Edinburgo.
- Dr. Gustavo Schlaen, 2014-2015. Beca Bunge y Born. Director.
- Dra. Luciana Kasulin, 2014-2015. Beca Bunge y Born. Co-director.
- Dra. Carolina García, 2015-2016. Beca CONICET. Director.
- Dra. Soledad Perez Santángelo, 2016-2018. Beca CONICET. Director.
- Dr. Carlos Esteban Hernando, 20..-20… Beca CONICET. Director.
- Dr. Leonardo Storani, 2016-2017. Beca Bunge y Born, Co-director. 2018-, Beca CONICET, Director.
- Dra María José de Leone, 2019-2020. Beca ANPCyT. Director.

Dirección de tesis doctorales finalizadas:

- Ana Faigón (FCEyN), mayo de 2007.
- Sabrina Sánchez (FCEyN), marzo de 2011.
- Matías Rugnone (UNSAM), junio de 2013.

- Gustavo Schlaen (FCEyN), marzo de 2014.
- Carlos Esteban Hernando (UNSAM), marzo de 2015.
- Soledad Perez Santángelo (FCEyN), marzo de 2016.
- Leonardo Storani (UNSAM), marzo de 2016.
- Estefanía Mancini (FCEyN), diciembre de 2016.
- María José Leone (FCEyN), marzo de 2019.

Co-dirección de tesis doctorales finalizadas:

- Maximiliano Beckel. Co-drector de tesis. Director Ariel Chernomoretz
- Andrés Rabinovich. Co-director de tesis. Director Ariel Chernomoretz

Dirección/Co-dirección de tesis doctorales en curso:

- Constanza Assaf, en curso (becaria CONICET). Director de tesis
- Jeannete Torchio, en curso (becaria CONICET). Co-director de tesis
- Daniel Careno, en curso (becario CONICET). Director de tesis.

Dirección de Tesinas de Licenciatura/Ingeniería finalizadas:

- Leonardo Storani (Biotecnología-UNSAM), marzo de 2005. En Advanta hasta 2015. Actualmente becario post-doctoral INTA Balcarce.
- Carlos Esteban Hernando (Biotecnología-UNSAM), febrero de 2010. Actualmente tesista doctoral en el laboratorio del Dr. Marcelo Yanovsky, FIL.
- Martina Legris (FCEyN), marzo de 2012. Actualmente tesista doctoral en el laboratorio del Dr. Jorge Casal, FIL.
- María José Leone (FCEyN), marzo de 2014. Actualmente Becaria Doctoral en el laboratorio.
- Francisco Astigueta (UNSAM), diciembre de 2014. Actualmente Becario Doctoral en el INTA, Castelar.
- Joaquín Casal (Facultad de Agronomía, UBA), Agosto de 2016.
- Daniel Careno (FCEyN), Marzo de 2019.
- Abril San Martín (UNSAM), Marzo de 2022).

5. Antecedentes docentes:

- Profesor Asociado Regular de Fisiología de las Plantas**,** dedicación simple, Cátedra de Fisiología Vegetal, Facultad de Agronomía, Universidad de Buenos Aires, desde abril del 2015 hasta la fecha.
- Profesor Asociado interino de Fisiología de las Plantas**,** dedicación simple, Cátedra de Fisiología Vegetal, Facultad de Agronomía, Universidad de Buenos Aires, desde enero de 2010 a abril del 2015.
- Profesor Adjunto regular de Fisiología de las Plantas**,** dedicación exclusiva, Cátedra de Fisiología Vegetal, Facultad de Agronomía, Universidad de Buenos Aires, desde enero de 2008 a enero de 2010 (cargo actualmente en licencia).
- Jefe de trabajos prácticos con dedicación exclusiva, Cátedra de Fisiología Vegetal, Facultad de Agronomía, Universidad de Buenos Aires, 1998-hasta enero 2008 (con licencia entre 2000 y 2002).
- Ayudante de primera, Fisiología Vegetal, Facultad de Agronomía, Universidad de Buenos Aires, 1995-1998

- Ayudante de segunda, área de Genética y Biología Molecular, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, 1991-1994.
- Ayudante de segunda, área de biología y sistemática vegetal, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, 1990-1991.
- Ayudante de segunda, Química, Ciclo Básico Común, Universidad de Buenos Aires, 1989-1990.

6. Antecedentes de gestión

- Presidente de INIS BIOTECH, oficina de transferencia y vinculación tecnológica de la Fundación Instituto Leloir (2012-2017).
- Miembro del Consejo de Administración de la Fundación Instituto Leloir (Tesorero), (2011-2018).
- Representante Titular del CONICET ante la COMISION NACIONAL DE BIOTECNOLOGIA AGROPECUARIA (2008-2013).
- Miembro de la comisión organizadora de las Buenos Aires Plant Biology Lectures, (2005-2013).
- Miembro del directorio del IFEVA, FAUBA-CONICET (2004-2010).

7. **Antecedentes en procesos de evaluación científica**

- Editorial Board, Plant and Cell Physiology, 2022-
- . Miembro del comité ad-hoc de evaluación de ingresos a la Carrera de Investigador Científico del CONICET, Biología, 2017-2018.
- Co-coordinador de la comisión evaluadora del área de células y moléculas del FONCYT, Agencia Nacional de Promoción Científica y Tecnológica, 2013-2015.
- Coordinador del comité de evaluación de becas CONICET, área Biología, 2011.
- Coordinador alterno del comité de evaluación de becas CONICET, área Biología, 2010.
- Miembro del comité regional de Argentina de las becas post-doctorales de la PEW Charitable Trust Foundation, 2006-2010.
- Revisor de trabajos enviados a publicar a las revistas Nature, Science, Developmental Cell, PNAS, Current Biology, Plant Cell, e-Life, Plant Physiology, Plant Journal, etc.
- Evaluador de proyectos de investigación de ANPCyT, CONICET, NSF (Estados Unidos), ISF (Israel), BBRC (Reino Unido), ANR (Francia), etc.