
Fabian Feiguin, MD. PhD.

Curriculum Vitae

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Scopus Author ID: 56064218000

Citizenship: Italian-Argentinian.

EDUCATION

- 2023-2024 Medical Doctor Habilitation, Facoltà di Medicina e Chirurgia, Università degli Studi di Cagliari, Italy. Thesis title: "Molecular characterization of TDP-43 expression changes in aging and consequences on locomotor fitness" (score:110/110 e lode).
- 1991-1995 PhD in Neurobiology, Instituto Mercedes y Martin Ferreyra, CONICET- Universidad Nacional de Cordoba, Argentina. Thesis title: "Participation of kinesin in transport and organization of tubulovesicular organelles" (top score: 10/10 and honors).
- 1984-1990 Medical Doctor, Facultad de Ciencias Médicas, Universidad Nacional de Cordoba, Argentina (score: 8/10).

SCIENTIFIC RESEARCH EXPERIENCE

- 2021- present Associate Professor (settore 05/BIOS-08 – Biologia Molecolare) Università di Cagliari, Italy
- 2007-2021 Group leader, International Center for Genetic Engineering and Biotechnology (ICGEB), Trieste, Italy.
- 2003-2006 Group Leader, Neuroscience Institute Cavalieri Ottolenghi (NICO). University of Turin, Italy.
- 2000-2002 Research Scientist, Institute of Molecular Pathology (IMP). Vienna, Austria.
- 1998-2000 Postdoctoral Fellow, Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG), Heidelberg, Germany.
- 1996-1998 Postdoctoral Fellow, European Molecular Biology Laboratory (EMBL). Heidelberg, Germany.
- 1994 Visiting Fellow, Brigham and Women's Hospital, Harvard Medical School, Kenneth S. Kosik Laboratory, Boston, USA.
- 1991-1995 PhD student, Instituto de Investigacion Medica Mercedes y Martin Ferreyra. Cordoba, Argentina.

UNIVERSITY TEACHING EXPERIENCE

2024 – Present

- Molecular Biology – *Bachelor's Degree in Biotechnology (Laurea Triennale in Biotecnologie, 8 CFU)* University of Cagliari – Faculty of Biology and Pharmacy.

- Molecular Biology – *Bachelor's Degree in Biology (Laurea Triennale in Biologia, 6 CFU)* University of Cagliari – Faculty of Biology and Pharmacy.
- Molecular Biology – *Master's Degree in Medicine and Surgery (Laurea Magistrale Ciclo Unico 6 anni: Medicine and Surgery, 3 CFU)* University of Cagliari – Faculty of Medicine and Surgery.
- Advanced Methodologies for Preclinical Drug Studies – *Master's Degree in Biotechnology (Laurea Magistrale in Biotecnologie, 3 CFU)* University of Cagliari – Faculty of Biology and Pharmacy.

2022-2023

- Molecular Biology – *Bachelor's Degree in Biotechnology (Laurea Triennale in Biotecnologie, 8 CFU)* University of Cagliari – Faculty of Biology and Pharmacy.
- Molecular Biology – *Bachelor's Degree in Biology (Laurea Triennale in Biologia, 6 CFU)* University of Cagliari – Faculty of Biology and Pharmacy.

2021-2022

- Molecular Biology – *Bachelor's Degree in Biotechnology (Laurea Triennale in Biotecnologie, 8 CFU)* University of Cagliari – Faculty of Biology and Pharmacy.
- Genome Variability – *Bachelor's Degree in Biology (Laurea Triennale in Biologia, 2 CFU)* University of Cagliari – Faculty of Biology and Pharmacy.

Habilitation as Full Professor by the Italian Ministry of Education and Research (MUR)

- 05/BIOS-08 - Molecular Biology (2024-35).
- 05/BIOS-10 - Cell & Applied Biology (2024-35).
- 05/BIOS-14 - Genetics (2023-34).
- 05/BIOS-04 - Developmental Biology & Cytology (2023-34).
- 05/BIOS-07 - Biochemistry (2021-30).

CLINICAL TRAINING EXPERIENCE

2025-*ongoing* Specialization in Cognitive-Constructivist Psychotherapy, ATC – School of Cognitive Psychotherapy, Cagliari, Italy. (M.I.U.R. D.M. 23/02/2007, G.U. 10/03/2007 n. 58).

2024-2025

- Master's Degree in Diagnosis, Management, and Treatment of Alzheimer's Disease and Other Dementias (60 CFU), Ospedale San Raffaele, Università Vita-Salute San Raffaele, Milan, Italy. Thesis title: “Guiding Diagnostic Pathways in Subjective Cognitive Decline”
- EMDR (Eye Movement Desensitization and Reprocessing) Training levels I and II (48 CEC). Official course recognized by the EMDR Institute, Inc., USA, EMDR Europe & EMDR Italy, Rome, June 13-15. Cagliari, October 17-19, Italy.

FELLOWSHIPS AWARD

- 1998-2000 Max Planck Society, Munich, Germany.
Postdoctoral fellowship at the Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG), Heidelberg, Germany.
- 1996-1998 Alexander Von Humboldt Foundation, Bonn, Germany.
Postdoctoral fellowship at the EMBL, Heidelberg, Germany.

- 1993-1995 National Scientific and Technical Research Council (CONICET), Argentina.
PhD consolidation fellowship at the Instituto "Mercedes y Martin Ferreyra",
Cordoba, Argentina.
- 1991-1993 National Scientific and Technical Research Council (CONICET), Argentina.
PhD initiation fellowship at the Instituto "Mercedes y Martin Ferreyra", Cordoba,
Argentina.

RESEARCH GRANTS OBTAINED

Current:

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| 2023-2026 | Progetti di Rilevante Interesse Nazionale (PRIN) | (Feiguin, coPI). |
| 2023-2026 | Agenzia di Ricerca per la Sclerosi Laterale Amiotrofica (AriSLA) | (Feiguin, coPI). |
| 2022-2024 | Fondazione di Sardegna (FdS) | (Feiguin, coPI). |

Past:

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| 2020-2021 | Transposon Therapeutics, INC. | (Feiguin, PI). |
| 2017-2018 | Beneficentia Stiftung, Vaduz. | (Feiguin, PI). |
| 2014-2017 | Agenzia di Ricerca per la Sclerosi Laterale Amiotrofica (AriSLA) | (Feiguin, PI). |
| 2013-2016 | Fondation Thierry Latran, France. | (Feiguin, coPI). |
| 2010-2014 | Agenzia di Ricerca per la Sclerosi Laterale Amiotrofica (AriSLA) | (Feiguin, PI). |
| 2006-2009 | Ministerio dell'Universita e della Ricerca (MIUR-GGP06147) | (Feiguin, PI). |
| 2002-2006 | Glaxo Smith Kline, UK. <i>Drosophila</i> Models of AD Disease. | (Feiguin, coPI). |

JOURNAL and EDITORIAL ACTIVITIES

- Member of the Editorial Board of *Frontiers in Neuroscience*, *Frontiers in Cell and Developmental Biology* and *Frontiers in Molecular Biosciences*.
- Peer-reviewer for: *Acta Neuropathologica*, *Brain*, *FASEB*, *PLOS Genetics*, *J of Cell Science*, *BMC Biology*, *Glia*, *Hum Mol. Genet*, *Neurobiol. Dis*, *Dis Model Mech*, *Exp. Cell Res.*, *Sci. Rep*, *Acta Neuropathologica Communications*, *FEBS letters*, *Plos One*, *Int. J. Mol. Science*, *Brain Research*, *Exp. Neurology*, *BBA-Gene Regulatory Mechanisms*, *Frontiers in Genetics*, *Frontiers in Neuroscience*, *Neuroscience*, *Neuroscience Letters*, *Neuroscientist*.

ACADEMIC ACTIVITIES and STUDENTS SUPERVISION

2003 – present. 8 Postdoctoral/ 11 PhD/ 32 Master/ 3 Erasmus students.

- Open University, London, UK.
- University of Nuova Goriza, Slovenia.
- Faculty of Biology, University of Belgrade, Serbia.
- Faculty of Biotechnology, University of Rjeka, Croatia.
- Faculty of Mol. Biology and Genetics, Istanbul University, Turkey.
- International Master's Degree in Neuroscience, Dept. of Life Science, University of Trieste, Italy.
- Faculty of Biology, University of Trieste, Italy.
- Faculty of Biotechnology, University of Trieste, Italy.
- Faculty of Pharmacology, University of Urbino, Italy.
- Faculty of Pharmacy and Biotechnology, University of Bologna, Italy.
- Faculty of Biotechnology e Biopharmacology, University of Bari, Italy.

Grant Review Committees

- European Research Council Agency (<https://erc.europa.eu>).
- Motor Neuron Disease Association (www.mndassociation.org) London, UK.
- Istituto Pasteur, Fondazione Cenci Bolognetti, France – Italy.
- International Foundation for Science (IFS), Stockholm, Sweden.
- Research Program, Department of Biology, University of Padova, Italy.
- REPRISE (Register of Expert Peer Reviewers for Italian Scientific Evaluation), Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR). Rome, Italy.

External Consultant/Review of Promotion/Tenure and Doctorate Committees

- Scientific Consultant, National Institute of Mental Health (NIMH), Prague, Czech Republic.
- Research Council of the Katholieke Universiteit. Leuven, Belgium.
- Università degli studi di Roma “la Sapienza” Dipartimento di Biologia e Biotecnologie “Charles Darwin”. Rome, Italy.
- Università degli studi di Ferrara, Corso di Dottorato in Science biomediche e biotecnologiche. Ferrara, Italy.

Scientific Organizer/International Meetings

- Invited speaker at the “First European Workshop on TDP-43 Proteinopathies”, Collège de France, December 1st and 2nd, 2025. Paris, France.
- Invited speaker at the “Seminar lecture series on Neurodegeneration and Aging” at the International Research Taipei Medical University, March 19th, 2024. Taipei, Taiwan.
- Research presentation at the “Arturo Falaschi Conference, 1st Biennial conference on TDP-43 function and dysfunction in disease” September 6th-8th, 2023, Trieste, Italy.
- Invited speaker at the “1st Mini-Symposium on Drug Discovery”, University of Cagliari-Taipei Medical University, June 6th and 7th, 2023, Cagliari, Italy.
- Organizer of the “Seminars in Molecular Biology”, University of Cagliari, October-December 2022, Cagliari, Italy.
- Invited speaker at the Instituto de Investigaciones Medicas Mercedes y Martin Ferreyra (INIMEC), November 18th, 2021. Cordoba, Argentina.
- Invited speaker at the Department of Anatomy and Cell Biology of the University of Illinois in Chicago, April 6th, 2021. Chicago, IL, USA.
- Invited speaker at the Institut des Neurosciences de Montpellier (INM), March 19th, 2021. Montpellier, France.
- Invited speaker at the webinar Models to Understand ALS, AriSLA, September 15th, 2020. Milan, Italy.
- Invited speaker at the National Institute of Mental Health (NIMH), October 31st, 2019. Prague, Czech Republic.
- Lecturer at the DrosAfrica Workshop “Drosophila Low-Cost and Valuable Model for Biomedical Research”, October 09-18, 2019. Sfax, Tunisia.
- Research presentation at the 14th International Conference on Drosophila Heterochromatin, June 09-15, 2019. Spoleto, Italy.
- Organizer of the Practical Course “Drosophila *melanogaster* Models for Neurodegenerative Diseases”, April 17 – 20, 2018. Trieste, Italy.
- Invited speaker at the AriSLA Symposium “Focus on ALS”, September 27-29, 2018. Genova, Italy.
- Research presentation at the 17th European *Drosophila* Neurobiology Conference - Neurofly, September 03-07, 2018. Krakow, Poland.
- Lecturer at the DrosAfrica-ICGEB Workshop “Drosophila *melanogaster* in biomedical research: low-cost and profitable”, July 17-28, 2017. Ibadan, Nigeria.

- Lecturer at the DrosAfrica Workshop “Drosophila in Biomedical Research: an effective and affordable model”. September 5 –17, 2016. Nairobi, Kenya.
- Invited speaker at the 9th FENS Forum on Neuroscience, July 05-09, 2014. Milan, Italy.
- Invited speaker at Conference on RNA Metabolism: Changing Paradigms in Neurodegeneration, May 26-29, 2014. Trieste, Italy.
- Invited speaker at the Institute of Molecular Genetics and Genetic Engineering (IMGGE), University of Belgrade, April 5th, 2013. Belgrade, Serbia.
- Invited speaker at the Center for Cooperative Research in Biosciences (CICbioGUNE), June 15th, 2012. Bilbao, Spain.
- Invited speaker at the Workshop “Mechanisms of Development”, Department of Molecular Biology, University of Khartoum. February 11–14, 2011. Khartoum, Sudan.
- Invited speaker at the 3rd EURASNET WP12 Interdisciplinary Focus Meeting on “Alternative and Aberrant Splicing in neuromuscular and neurodegenerative processes”, March 26-27, 2009. Trieste, Italy.
- Invited speaker at the Biomedizinisches Centrum (BMC), Ludwig-Maximilians-Universität München & Deutsches Zentrum für Neurodegenerative Erkrankungen (DZNE), July 27th, 2010. Munich, Germany.
- Invited speaker at the RNA processing in Biology and Medicine Symposium, October 20-22, 2010. Beijing, China.
- Invited speaker at the European Neuroscience Institute (ENI) Symposium: Protein Transport, Synaptic Function and Neurodegenerative Disease, September 01-03, 2006. Gottingen, Germany.
- Invited speaker at the Department of Biology, University of Rochester, March 16th, 2006. Rochester, NY, USA.
- Invited speaker at the Centro de Biología Molecular Severo Ochoa (CSIC-UAM), June 8th, 2005. Madrid, Spain.

Organization Memberships

- Ordine dei Medici Chirurghi e degli Odontoiatri della Provincia di Cagliari (OMeCA), Italy. License number: 11721, since 03/09/2024.
- Collegio di Dottorato in Medicina Molecolare e Traslazionale, Università degli Studi di Cagliari (DOT1404000).
- Società Italiana di Biofisica e Biologia Molecolare (SIBBM).
- Associazione Genetica Italiana (AGI).
- RNA Society (member number 4616).
- Società Italiana di Terapia Comportamentale e Cognitiva (SITCC).
- Associazione EMDR Italia.
- European Drosophila Society (EDS).
- International Advisory Board of the African Society of Drosophilists (ASD).
- DrosAfrica (<http://drosafrika.org/>).

Invited Speaker

- Neuromuscular and Rare Diseases Unit, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, University of Milan, January 15th, 2026. Milan, Italy.
- Webinar series "Drosophila as a model for Human Diseases", Dipartimento di Biologia e Biotecnologie “Charles Darwin” University of Rome La Sapienza, January 9th, 2023. Rome, Italy.
- Institute for Genetic and Biomedical Research, National Research Council (IRGB-CNR), January 14th, 2022. Cagliari, Italy.
- Department of Medicine, University of Udine, February 12th, 2021. Udine, Italy.

- XIX IDRC, Italian Drosophila Research Conference, June 20-22, 2018. Padova, Italy.
- Centro Dino Ferrari, University of Milan, November 22nd, 2017. Milan, Italy.
- Department CBIO, University of Trento, February 10th, 2017. Trento, Italy.
- Department of Pharmacology, University of Urbino, July 3rd 2017. Urbino, Italy.
- Dipartimento di Scienze Biomediche, University of Padova, May 21st, 2016. Padova, Italy.
- Dipartimento di Biologia e Biotechnologie "Charles Darwin" University of Rome La Sapienza, May 10th, 2016. Rome, Italy.
- Dipartimento di Scienze e Tecnologia, University of Palermo, November 3rd, 2014. Palermo, Italy.
- XVII IDRC, Italian Drosophila Research Conference, October 6-8, 2014. Anagni, Italy
- Fondazione Italiana Fegato, University of Trieste, April 14th, 2011. Trieste, Italy.
- International School for Advanced Studies (SISSA), October 10th, 2009. Trieste, Italy.
- Department of Molecular Biotechnology and Health Sciences, University of Turin, June 10th, 2006. Turin, Italy.

Lecturer

- Centro Interdipartimentale per le Neuroscienze (BRAIN), Dipartimento di Scienze della Vita, University of Trieste, Trieste, Italy. (2009-2020).
- Department of Pharmacology, Facultad de Ciencias Químicas, Universidad Nacional de Cordoba. Cordoba, Argentina (1991-1992).
- Center of Electronic Microscopy, Facultad de Medicina, Universidad Nacional de Cordoba. Cordoba, Argentina (1991-1992).

LANGUAGES

- English (fluent)
- Italian (fluent)
- German (good)
- Portuguese (good)
- French (basic)
- Spanish (native)

PUBLICATIONS IN PEER-REVIEWED SCIENTIFIC JOURNALS

Gbadamosi M, Romano G, Simbula M, Canarutto G, Ottoboni L, Corti S, Feiguin F. (2025). TDP-43 Regulates Rab4 Levels to Support Synaptic Vesicle Recycling and Neuromuscular Connectivity in Drosophila and Human ALS Models. *Int. J. of Mol. Sci.* Nov 14; 26(22):11030. doi.org/10.3390/ijms262211030.

Colaiani D, Ceccato N, Antolini P, Conte C, De Pittà C, Feiguin F. Mazzotta GM. (2025). TDP-43-mediated amyotrophic lateral sclerosis: new/hidden insights from Drosophila. *Front. Cell Dev. Biol.* Oct 16;13:1677090. doi: 10.3389/fcell.2025.1677090. eCollection 2025.

Hadrich I, Turki M, Chaari I, Abdelmoula B, Gargouri R, Khemakhem N, Elatoui D, Abid F, Kammoun S, Rekik M, Aloulou S, Sehli M, Mrad AB, Neji S, Feiguin F. Aloulou J, Abdelmoula NB, Sellami H. (2025). Gut mycobiome and neuropsychiatric disorders: insights and therapeutic potential. *Front Cell Neurosci.* Jan 8;18:1495224. doi: 10.3389/fncel.2024.1495224. eCollection 2024.

Marzullo M, Romano G, Pellacani C, Riccardi F, Ciapponi L, Feiguin F. (2023). Su(var)3-9 mediates age-dependent increase in H3K9 methylation on TDP-43 promoter triggering neurodegeneration. *Cell Death Discovery.* Sep 27; 9:357. DOI: 10.1038/s41420-023-01643-3.

Cappelli S, Spalloni A, Feiguin F. Visani G,..., NYGC ALS Consortium,..., Romano M, Fratta P, Longone P, Buratti

E. (2022). NOS1AP is a novel molecular target and critical factor in TDP-43 pathology. *Brain Commun.* Sep 23;4(5): fcac242. doi: 10.1093/braincomms/fcac242. eCollection 2022.

Romano G, Klima R, Feiguin F. (2021). Immunoprecipitation for protein-protein interaction and for RNA enrichment in *Drosophila melanogaster*. *Bio-protocol*, December 05, Vol 11, Iss 23. DOI: 10.21769/BioProtoc.4250.

Cragnaz L, Spinelli G, De Conti L, Bureau EA, Brownlees J, Feiguin F., Romano V, Skoko N, Klima R, Kettleborough CA, Baralle FE, Baralle M. (2021). Thioridazine reverts the phenotype in cellular and *Drosophila* models of amyotrophic lateral sclerosis by enhancing TDP-43 aggregate clearance. *Neurobiol Dis.* Sep 24;105515. doi: 10.1016/j.nbd.2021.105515.

Romano G, Holodkov N, Klima R, Feiguin F. (2021). TDP-43 regulates GAD1 mRNA splicing and GABA signaling in *Drosophila* CNS. *Sci Rep.* Sep 21;11(1):18761. doi: 10.1038/s41598-021-98241-z.

Klima R, Romano G, Gbadamosi M, Megighian A, Feiguin F. (2021). Immuno-electrophysiology of neuromuscular junction in *Drosophila* third instar larvae. *Bio-protocol*, Feb 05; 11(3). doi: 10.21769/BioProtoc.3913.

Romano G, Klima R, Feiguin F. (2020). TDP-43 prevents retrotransposons activation in the *Drosophila* motor system through regulation of Dicer-2 activity. *BMC Biology*, Jul3;18(1):82.doi:10.1186/s12915-020-00816-1.

Strah N, Romano G, Introna C, Klima R, Marzullo M, Ciapponi L, Megighian A, Nizzardo M, Feiguin F. (2020). TDP-43 promotes the formation of neuromuscular synapses through the regulation of Disc-large expression in *Drosophila* skeletal muscles. *BMC Biology*, Mar 26; 18(1): 34. doi.org/10.1186/s12915-020-00767-7.

Langellotti S, Romano G, Feiguin F., Baralle FE, Romano M. (2018) RhoGAPP190: A potential player in tbph-mediated neurodegeneration in *Drosophila*. *PLoS One.* Apr 13;13(4):e0195845. doi: 10.1371/journal.pone.0195845. eCollection 2018.

Lo Piccolo L, Bonaccorso R, Attardi A, Li Greci L, Romano G, Sollazzo M, Giurato G, Ingrassia AMR, Feiguin F., Corona DFV, Onorati MC. (2018) Loss of ISWI Function in *Drosophila* Nuclear Bodies Drives Cytoplasmic Redistribution of *Drosophila* TDP-43. *Int. J. Mol. Sci.* Apr 4;19(4). pii: E1082. doi: 10.3390/ijms19041082.

Romano G, Holodkov N, Klima R, Grilli F, Guarnaccia C, Nizzardo M, Rizzo F, Garcia R, Feiguin F. (2018) Downregulation of glutamic acid decarboxylase in *Drosophila* TDP-43-null brains provokes paralysis by affecting the organization of the neuromuscular synapses. *Sci Rep.* doi:10.1038/s41598-018-19802-3.

Appocher C, Mohagheghi F, Cappelli S, Stuani C, Romano M, Feiguin F*, Buratti E*. (2017) Major hnRNP proteins act as general TDP-43 functional modifiers both in *Drosophila* and human neuronal cells. *Nucleic Acids Res.* 2017 May 31. doi: 10.1093/nar/gkx477. *corresponding authors.

Di Giorgio ML, Esposito A, Maccallini P, Micheli E¹, Bavasso F, Gallotta I, Verni F, Feiguin F., Cacchione S, McCabe BD, Di Schiavi E, Raffa GD. (2017) WDR79/TCAB1 plays a conserved role in the control of locomotion and ameliorates phenotypic defects in SMA models. *Neurobiol Dis.* 2017 May 11. pii: S0969-9961(17)30108-0. doi: 10.1016/j.nbd.2017.05.005.

Langellotti S, Romano V, Romano G, Klima R, Feiguin F., Cragnaz L, Romano M, Baralle FE. (2016) A novel fly model of TDP-43 proteinopathies: N-terminus sequences combined with the Q/N domain induce protein functional loss and locomotion defects. *Dis Model Mech.* 2016 Apr 21. pii: dmm.023382.

Romano M, Feiguin F., Buratti E. (2016) TBPH/TDP-43 modulates translation of *Drosophila* futsch mRNA through an UG-rich sequence within its 5'UTR. *Brain Res.* 2016 Feb 18. pii: S0006-8993(16)30081-6. doi:10.1016/j.brainres.2016.02.022.

- Cragnaz L, Klima R, De Conti L, Romano G, Feiguin E, Buratti E, Baralle M, Baralle FE. (2015) An age-related reduction of brain TBPH/TDP-43 levels precedes the onset of locomotion defects in a Drosophila ALS model. *Neuroscience*. 17; 311:415-21.
- Romano G, Appocher C, Scorzeto M, Klima R, Baralle FE, Megighian A, Feiguin F. (2015) Glial TDP-43 Regulates Axon Wrapping, GluRIIA Clustering and Fly Motility by Autonomous and Non-Autonomous Mechanisms. *Hum Mol Genet*. Nov 1;24(21):6134-45.
- Appocher C, Klima R, Feiguin F. (2014) Functional screening in Drosophila reveals the conserved role of REEP1 in promoting stress resistance and preventing the formation of Tau aggregates. *Hum Mol Genet*. Dec 20;23(25):6762-72.
- Romano G, Klima R, Buratti E, Verstreken P, Baralle FE, Feiguin F. (2014) Chronological requirements of TDP-43 function in synaptic organization and locomotive control. *Neurobiol Dis*. Nov;71:95-109.
- Cragnaz L, Klima R, Skoko N, Budini M, Feiguin F, Baralle FE. (2014) Aggregate formation prevents dTDP-43 neurotoxicity in the Drosophila melanogaster eye. *Neurobiol Dis*. 2014 Nov;71:74-80.
- Miskiewicz K, Jose LE, Yeshaw WM, Valadas JS, Swerts J, Munck S, Feiguin F, Dermaut B, Verstreken P. (2014) HDAC6 Is a Bruchpilot Deacetylase that Facilitates Neurotransmitter Release. *Cell Rep*. 2014 Jul 10;8(1):94-102.
- Romano M, Buratti E, Romano G, Klima R, Del Bel Belluz L, Stuani C, Baralle F, Feiguin F. (2014) Evolutionarily-conserved hnRNP A/B proteins functionally interact with human and Drosophila TAR DNA-binding protein 43 (TDP-43). *J Biol Chem*. 289:7121-7130.
- Llamusi B, Bargiela A, Fernandez-Costa JM, Garcia-Lopez A, Klima R, Feiguin F, Artero R. (2013) Muscleblind, BSF and TBPH are mislocalized in the muscle sarcomere of a Drosophila myotonic dystrophy model. *Dis Model Mech*. Jan;6(1):184-96.
- Romano M, Feiguin F and Buratti E. (2012) Drosophila Answers to TDP-43 Proteinopathies. *Journal of Amino Acids*, 2012;2012:356081.
- Michaki V, Guix FX, Vennekens K, Munck S, Dingwall C, Davis JB, Townsend DM, Tew KD, Feiguin F, de Strooper B, Dotti CG, Wahle T. (2012) Downregulation of the ATP-binding cassette transporter 2 (Abca2) reduces Amyloid- β production by altering Nicastrin maturation and intracellular localization. *J Biol Chem*. Jan 6;287(2):1100-11.
- Nesic I, Guix F, Vennekens K, Michaki V, Van Veldhoven PP, Feiguin E, de Strooper B, Dotti CG, Wahle T. (2012) Alterations in Phosphatidylethanolamine levels affect the generation of A β . *Aging Cell*. Feb11(1):63-72.
- Vinay K. Godena, Giulia Romano, Maurizio Romano, Chiara Appocher, Raffaella Klima, Emanuele Buratti, Francisco E. Baralle, Fabian Feiguin (2011) TDP-43 Regulates Drosophila Neuromuscular Junctions Growth by Modulating *futsch*/MAP-1B Levels and Synaptic Microtubules Organization. *PLoS ONE*, 11;6(3):e17808.
- Fabian Feiguin*, Vinay K. Godena, Giulia Romano, Andrea D'Ambrogio, Raffaella Klima, Francisco E. Baralle (2009) Depletion of TDP-43 Affects Drosophila Motoneurons Terminal Synapsis and Locomotive Behavior. *FEBS letters* (2009), 1586-1592. *corresponding author.
- Hector Herranz, Evangelina Stamatakis, Fabian Feiguin and Marco Milan. (2006) Self-refinement of Notch activity through the transmembrane protein Crumbs: modulation of gamma-Secretase activity. *EMBO Rep*. 7; 297-302.
- Froylan Calderon de Anda, Giulia Pollarolo, Jorge Santos Da Silva, Paola Camoletto, Fabian Feiguin*, and Carlos G. Dotti*. (2005) Centrosome localization determines neuronal polarity. *Nature*. 4;436(7051):704-8. *corresponding authors.

Hannus M, Feiguin F, Eaton S. (2002) Asymmetric PP2A activation by Widerborst directs the formation of polarized cortical domains. *Development*. 129 (14): 3493-3503.

Feiguin F, Hannus M, Mlodzik M, Eaton S. (2001) The ankyrin repeat protein Diego mediates Frizzled-dependent planar polarization. *Developmental Cell*. 1(1): 93-101.

Paricio, N., Feiguin, F., Boutros, M., Wilson, C., and Mlodzik, M., (1999) The Drosophila STE20-like kinase Misshapen is required downstream of Frizzled in planar polarity signaling. *EMBO J*. 1;18(17):4669-78.

DiTella, M., Feiguin, F., Carri, N., Kosik, K., and Caceres, A. (1995) MAP-1b/Tau functional redundancy during laminin-enhanced axonal growth. *J. Cell Science*. 109; 467-477.

Feiguin, F., Ferreira, A., Kosik, K., and Caceres, A. (1994) Kinesin-mediated organelle translocations revealed by specific cellular manipulations. *J. Cell Biology* 127: 1021-1039.

Morfini, G., DiTella, M., Feiguin, F., Carri, N., and Caceres, A. (1994) NT-3 enhances neurite outgrowth in cultured hippocampal pyramidal neurons. *J Neurosci Res* 39: 219-232.

DiTella, M., Feiguin, F., Morfina, G., and Caceres, A. (1993) A microfilament-associated grow cone component depends upon Tau for its localization. *Cell Motility & Cytoskeleton* 29: 117-130.

BOOK CHAPTERS

Feiguin, F., Llamazares, S., and Gonzalez, C. (1998) Methods in Drosophila Cell Cycle Biology. *Curr Top Dev Biol*. 36:279-91.

DiTella, M., Feiguin, F., Pigino, G., and Caceres, A. (1995) MAP-1b and Tau functional redundancy in cerebellar neurons growing on a laminin containing substrate. *Molecular Biology of Cell Differentiation and Embryonic Development*, Vol III, pp: 21-25, Eds. J Allende & E de Robertis.