

Curriculum vitae of Luis G. Pérez Rivas

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Education

2003-2008	PhD Biology, Universidad de Malaga (Spain). Title of the thesis: Molecular analysis of the nucleocytoplasmic transport of KSR1 (Kinase Suppressor of Ras 1).
2004-2005	Postgraduate Teacher Certification Program, Universidad Complutense de Madrid (Spain).
2003-2005	MSc Cellular and Molecular Biology, Universidad de Malaga (Spain).
1997-2002	BSc Biology, MSc Biology, Universidad de Malaga (Spain).

Positions

Since 2014	Researcher. Klinikum der Ludwigs-Maximilians-Universität München, Munich, Germany.
2008-2013	Postdoctoral researcher. University Hospital “Virgen de la Victoria”. Málaga Spain
2003-2008	PhD student. Dpt. of Biochemistry and Molecular Biology, University of Málaga. Málaga, Spain.
2002	Pre-graduate research fellow. Dpt. of Biochemistry and Molecular Biology, University of Málaga. Málaga, Spain.

Fellowships

2015-2018	WHRI-Academy fellowship (COFUND Marie Skłodowska-Curie Actions), Queen Mary University of London, European Commission.
2009	Research fellowship, Fundacion IMABIS (Spain).
2003-2008	FPU research and teaching fellowship (PhD fellowship), Ministry of Education and Sciences of Spain.
2002	Pre-graduate research fellowship, Ministry of Education and Sciences of Spain.

Awards

2025	Henning Andersen Prize. Joint Congress of the European Society for Paediatric Endocrinology and the European Society for Endocrinology, Copenhagen (Denmark).
2019	Schoeller-Junkmann Prize. 62th Congress of the German Society for Endocrinology (DGE), Göttingen (Germany).
2018	Poster prize, Neuroendocrinology Section of the German Society for Endocrinology. Essen (Germany)
2015	ESE Young Investigator Award, 17th European Congress of Endocrinology, Dublin (Ireland).

Service

Committee Membership

Since 2021	Expert panel member of the ESE Focus Area “Pituitary and Neuroendocrinology”.
2018-2022	Member of the European Neuroendocrine Association (ENEA) Executive Committee (EYRC ExCo Representative).
2016-2022	Member of the ENEA Young Research Committee.

Organization

Since 2022	Clinical Update sessions (Pituitary and Neuroendocrinology) of the European Society of Endocrinology (online).
2025	Programme Organizing Committee member. Joint Congress of the European Society for Endocrinology and the European Society for Paediatric Endocrinology. Copenhagen (Denmark).
2021	Local Organizing Committee member. 8 th ENEA Workshop on Precision Pituitary Medicine. Munich (Germany).
2022	Programme Organizing Committee member. 20 th Congress of the European Neuroendocrine Association. Lyon (France).

Support

Since 2026	Peer reviewer for “npj Precision Oncology”, “Pituitary” and “Acta Neuropathologica Communications”.
Since 2024	Peer reviewer for the “European Journal of Endocrinology”, “Endocrine-Related Cancer” and the “Journal of the Endocrine Society”.
Since 2023	Peer reviewer for “Endocrine Oncology” and “Scientific Reports”.
Since 2020	Peer reviewer for “Experimental and Clinical Endocrinology & Diabetes”.
Since 2020	Peer reviewer for “Endocrinology”.
Since 2019	Abstract reviewer for the European Congress of Endocrinology.
Since 2017	Abstract reviewer for meetings and workshops of the ENEA.

Invited speaker in scientific congresses

2026	22 nd Congress of the European Neuroendocrine Association (ENEA). Paris (France).
2026	69 th Congress of the German Society for Endocrinology (DGE). Weimar (Germany).
2024	26 th European Congress of Endocrinology (ECE 2024). Stockholm (Sweden).
2023	Meeting of the AG Hypophyse of the German Society for Endocrinology (online meeting).
2022	Meeting of the AG Hypophyse of the German Society for Endocrinology (online meeting).
2021	Meeting of the Section “Neuroendocrinology” of the German Society for Endocrinology (online meeting).

Selected publication list (only original articles of the last 5 years)

1. Zhang, Q, Cai, Y, Liu, Y, Yao, B, Sharma, P, Ruoff, E, Ma, Z, Zopp, S, Wu, Y, Abreu, AP, Zhang, S, Tichomirowa, MA, Wang, Y, Stalla, G, Qiao, N, Ye, Z, Hanzu, FA, Chen, H, Buchfelder, M, ... **Perez-Rivas, LG**. (2026). Risk of recurrence after successful surgery for Cushing's disease is associated with USP8 genotype and tumour size: an international, retrospective, longitudinal cohort study. *Lancet Diabetes Endocrinol*. 2026 Apr;14(4):327-336.
2. **Perez-Rivas LG**, von Selzam V, Sharma P, Reincke M, Theodoropoulou M. Prevalence and clinical associations of USP8 variants in corticotroph tumours: a systematic review and aggregate data meta-analysis of 2171 cases. *Eur J Endocrinol*. 2025 May 30;192(6):S41-S52
3. Simon J, **Perez-Rivas LG**, Zhao Y, Chasseloup F, Lasolle H, Cortet C, Descotes F, Villa C, Baussart B, Burman P, Maiter D, von Selzam V, Rotermund R, Flitsch J, Thorsteinsdottir J, Jouanneau E, Buchfelder M, Chanson P, Raverot G, Theodoropoulou M. Prevalence and clinical correlations of SF3B1 variants in lactotroph tumours. *Eur J Endocrinol*. 2023 Sep 1;189(3):372-378.
4. Langgartner D, Koenen M, Kupfer S, Glogger L, Kurz L, **Perez-Rivas LG**, Theodoropoulou M, Noll-Hussong M, Vettorazzi S, Tuckermann J, Reber SO. Intact GR dimerization is critical for restraining plasma ACTH levels during chronic psychosocial stress. *Neurobiol Stress*. 2023 May 2;24:100541.
5. **Perez-Rivas LG**, Simon J, Albani A, Tang S, Roeber S, Assié G, Deutschbein T, Fassnacht M, Gadelha MR, Hermus AR, Stalla GK, Tichomirowa MA, Rotermund R, Flitsch J, Buchfelder M, Nasi-Kordhishti I, Honegger J, Thorsteinsdottir J, Saeger W, Herms J, Reincke M, Theodoropoulou M. TP53 mutations in functional corticotroph tumors are linked to invasion and worse clinical outcome. *Acta Neuropathol Commun*. 2022 Sep 19;10(1):139.
6. Albani A*, **Perez-Rivas LG***, Tang S, Simon J, Lucia KE, Colón-Bolea P, Schopohl J, Roeber S, Buchfelder M, Rotermund R, Flitsch J, Thorsteinsdottir J, Herms J, Stalla G, Reincke M, Theodoropoulou M. *Endocr Relat Cancer*. 2022 Jun 29;29(8):503-511.
7. Watts D, Stein J, Meneses A, Bechmann N, Neuwirth A, Kaden D, Krüger A, Sinha A, Alexaki VI, **Perez-Rivas LG**, Kircher S, Martinez A, Theodoropoulou M, Eisenhofer G, Peitzsch M, El-Armouche A, Chavakis T, Wielockx B. HIF1 α is a direct regulator of steroidogenesis in the adrenal gland. *Cell Mol Life Sci*. 2021 Apr;78(7):3577-3590.

*equal contribution

Patents

2016	MicroRNA signature as an indicator of the risk of early recurrence in patients with breast cancer. U.S. Patent No. US10059998B2. European Patent No. EP3144395B1. International Application No. PCT/ES2015/070179. Granted 2018 until 2035.
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Complete publication list

(In bold first/equally contributing/last/corresponding author)

1: Zhang Q, Cai Y, Liu Y, Yao B, Sharma P, Ruoff E, Ma Z, Zopp S, Wu Y, Abreu AP, Zhang S, Tichomirowa MA, Wang Y, Stalla G, Qiao N, Ye Z, Hanzu FA, Chen H, Buchfelder M, Yao Z, Flitsch J, Li Y, Thorsteinsdottir J, Wang Y, Nasi-Kordhishti I, Ye H, Honegger J, Sbiera S, Kaiser UB, Fassnacht M, Zhang Z, Reincke M, Theodoropoulou M, Zhao Y, Perez-Rivas LG. Risk of recurrence after successful surgery for Cushing's disease and association with USP8 genotype and tumour size: an international, retrospective, longitudinal cohort study. *Lancet Diabetes Endocrinol.* 2026 Apr;14(4):327-336.

2: Perez-Rivas LG, von Selzam V, Sharma P, Reincke M, Theodoropoulou M. Prevalence and clinical associations of USP8 variants in corticotroph tumours: a systematic review and aggregate data meta-analysis of 2171 cases. *Eur J Endocrinol.* 2025 May 30;192(6):S41-S52.

3: Villa C, Birtolo MF, Perez-Rivas LG, Righi A, Assié G, Baussart B, Asioli S. Reply to letter by Melmed et al. *Brain Pathol.* 2025 Jan;35(1):e13324. doi: 10.1111/bpa.13324. Epub 2024 Dec 16. PMID: 39681324; PMCID: PMC11669407.

4: Villa C, Birtolo MF, Perez-Rivas LG, Righi A, Assie G, Baussart B, Asioli S. Grading and staging for pituitary neuroendocrine tumors. *Brain Pathol.* 2025 Jan;35(1):e13299. doi: 10.1111/bpa.13299. Epub 2024 Aug 25. PMID: 39182993; PMCID: PMC11669418.

5: Hernández-Ramírez LC, Perez-Rivas LG, Theodoropoulou M, Korbonits M. An Update on the Genetic Drivers of Corticotroph Tumorigenesis. *Exp Clin Endocrinol Diabetes.* 2024 Dec;132(12):678-696. doi: 10.1055/a-2337-2265. Epub 2024 Jun 3. PMID: 38830604.

6: Simon J, Perez-Rivas LG, Zhao Y, Chasseloup F, Lasolle H, Cortet C, Descotes F, Villa C, Baussart B, Burman P, Maiter D, von Selzam V, Rotermund R, Flitsch J, Thorsteinsdottir J, Jouanneau E, Buchfelder M, Chanson P, Raverot G, Theodoropoulou M. Prevalence and clinical correlations of SF3B1 variants in lactotroph tumours. *Eur J Endocrinol.* 2023 Sep 1;189(3):372-378. doi:10.1093/ajendo/lvad114. PMID: 37721395.

7: Langgartner D, Koenen M, Kupfer S, Glogger L, Kurz L, Perez-Rivas LG, Theodoropoulou M, Noll-Hussong M, Vettorazzi S, Tuckermann J, Reber SO. Intact GR dimerization is critical for restraining plasma ACTH levels during chronic psychosocial stress. *Neurobiol Stress.* 2023 May 2;24:100541. doi: 10.1016/j.ynstr.2023.100541. PMID: 37215522; PMCID: PMC10196852.

8: Burman P, Casar-Borota O, Perez-Rivas LG, Dekkers OM. Aggressive Pituitary Tumors and Pituitary Carcinomas: From Pathology to Treatment. *J Clin Endocrinol Metab.* 2023 Jun 16;108(7):1585-1601. doi: 10.1210/clinem/dgad098. Erratum in: *J Clin Endocrinol Metab.* 2023 Sep 18;108(10):e1163. doi: 10.1210/clinem/dgad222. PMID: 36856733; PMCID: PMC10271233.

9: Perez-Rivas LG, Simon J, Albani A, Tang S, Roeber S, Assié G, Deutschbein T, Fassnacht M, Gadelha MR, Hermus AR, Stalla GK, Tichomirowa MA, Rotermund R, Flitsch J, Buchfelder M, Nasi-Kordhishti I, Honegger J, Thorsteinsdottir J, Saeger W, Herms J, Reincke M, Theodoropoulou M. TP53 mutations in functional corticotroph tumors are linked to invasion and worse clinical outcome. *Acta Neuropathol Commun.* 2022 Sep 19;10(1):139. doi: 10.1186/s40478-022-01437-1. PMID: 36123588; PMCID: PMC9484083.

10: Albani A, Perez-Rivas LG, Tang S, Simon J, Lucia KE, Colón-Bolea P, Schopohl J, Roeber S, Buchfelder M, Rotermund R, Flitsch J, Thorsteinsdottir J, Herms J, Stalla G,

Reincke M, Theodoropoulou M. Improved pasireotide response in USP8 mutant corticotroph tumours in vitro. *Endocr Relat Cancer*. 2022 Jun 29;29(8):503-511. doi: 10.1530/ERC-22-0088. PMID: 35686696.

11: Reincke M, Albani A, Assie G, Bancos I, Brue T, Buchfelder M, Chabre O, Ceccato F, Daniele A, Detomas M, Di Dalmazi G, Elenkova A, Findling J, Grossman AB, Gomez-Sanchez CE, Heaney AP, Honegger J, Karavitaki N, Lacroix A, Laws ER, Losa M, Murakami M, Newell-Price J, Pecori Giraldi F, Pérez-Rivas LG, Pivonello R, Rainey WE, Sbiera S, Schopohl J, Stratakis CA, Theodoropoulou M, van Rossum EFC, Valassi E, Zacharieva S, Rubinstein G, Ritzel K. Corticotroph tumor progression after bilateral adrenalectomy (Nelson's syndrome): systematic review and expert consensus recommendations. *Eur J Endocrinol*. 2021 Mar;184(3):P1-P16. doi: 10.1530/EJE-20-1088. PMID: 33444221; PMCID: PMC8060870.

12: Watts D, Stein J, Meneses A, Bechmann N, Neuwirth A, Kaden D, Krüger A, Sinha A, Alexaki VI, Perez-Rivas LG, Kircher S, Martinez A, Theodoropoulou M, Eisenhofer G, Peitzsch M, El-Armouche A, Chavakis T, Wielockx B. HIF1 α is a direct regulator of steroidogenesis in the adrenal gland. *Cell Mol Life Sci*. 2021 Apr;78(7):3577-3590.

13: Gatto F, Perez-Rivas LG, Olarescu NC, Khandeva P, Chachlaki K, Trivellin G, Gahete MD, Cuny T; on behalf of the ENEA Young Researchers Committee (EYRC). Diagnosis and Treatment of Parasellar Lesions. *Neuroendocrinology*. 2020;110(9-10):728-739. doi: 10.1159/000506905. Epub 2020 Mar 4. PMID: 32126547.

14: Siebert C, Ciato D, Murakami M, Frei-Stuber L, Perez-Rivas LG, Monteserin-Garcia JL, Nölting S, Maurer J, Feuchtinger A, Walch AK, Haak HR, Bertherat J, Mannelli M, Fassnacht M, Korpershoek E, Reincke M, Stalla GK, Hantel C, Beuschlein F. Heat Shock Protein 90 as a Prognostic Marker and Therapeutic Target for Adrenocortical Carcinoma. *Front Endocrinol (Lausanne)*. 2019 Jul 19;10:487. doi: 10.3389/fendo.2019.00487. PMID: 31379752; PMCID: PMC6658895.

15: Sbiera S, Perez-Rivas LG, Taranets L, Weigand I, Flitsch J, Graf E, Monoranu CM, Saeger W, Hagel C, Honegger J, Assie G, Hermus AR, Stalla GK, Herterich S, Ronchi CL, Deutschbein T, Reincke M, Strom TM, Popov N, Theodoropoulou M, Fassnacht M. Driver mutations in USP8 wild-type Cushing's disease. *Neuro Oncol*. 2019 Oct 9;21(10):1273-1283. doi: 10.1093/neuonc/noz109. PMID: 31222332; PMCID: PMC6784271.

16: Olarescu NC, Perez-Rivas LG, Gatto F, Cuny T, Tichomirowa MA, Tamagno G, Gahete MD; EYRC (ENEA Young Researcher Committee). Aggressive and Malignant Prolactinomas. *Neuroendocrinology*. 2019;109(1):57-69. doi: 10.1159/000497205. Epub 2019 Jan 24. PMID: 30677777.

17: Perez-Rivas LG, Williams TA, Reincke M. Inherited Forms of Primary Hyperaldosteronism: New Genes, New Phenotypes and Proposition of A New Classification. *Exp Clin Endocrinol Diabetes*. 2019 Feb;127(2-03):93-99. doi: 10.1055/a-0713-0629. Epub 2018 Sep 10. PMID: 30199917.

18: Albani A, Perez-Rivas LG, Reincke M, Theodoropoulou M. PATHOGENESIS OF CUSHING DISEASE: AN UPDATE ON THE GENETICS OF CORTICOTROPINOMAS. *Endocr Pract*. 2018 Oct 2;24(10):907-914. doi: 10.4158/EP-2018-0111. Epub 2018 Aug 7. PMID: 30084690.

19: Albani A, Pérez-Rivas LG, Dimopoulou C, Zopp S, Colón-Bolea P, Roeber S, Honegger J, Flitsch J, Rachinger W, Buchfelder M, Stalla GK, Herms J, Reincke M, Theodoropoulou M. The USP8 mutational status may predict long-term remission in patients with Cushing's

disease. *Clin Endocrinol (Oxf)*. 2018 Jun 29. doi: 10.1111/cen.13802. Epub ahead of print. PMID: 29957855.

20: Pérez-Rivas LG, Theodoropoulou M, Puar TH, Fazel J, Stieg MR, Ferraù F, Assié G, Gadelha MR, Deutschbein T, Fragoso MC, Kusters B, Saeger W, Honegger J, Buchfelder M, Korbonits M, Bertherat J, Stalla GK, Hermus AR, Beuschlein F, Reincke M. Somatic USP8 mutations are frequent events in corticotroph tumor progression causing Nelson's tumor. *Eur J Endocrinol*. 2018 Jan;178(1):57-63. doi: 10.1530/EJE-17-0634. Epub 2017 Oct 5. PMID: 28982703.

21: Perez-Rivas LG, Oßwald A, Knösel T, Lucia K, Schaaf C, Hristov M, Fazel J, Kirchner T, Beuschlein F, Reincke M, Theodoropoulou M. Expression and mutational status of USP8 in tumors causing ectopic ACTH secretion syndrome. *Endocr Relat Cancer*. 2017 Sep;24(9):L73-L77. doi: 10.1530/ERC-17-0054. Epub 2017 Jul 14. PMID: 28710116.

22: Perez-Rivas LG, Rhayem Y, Sabrautzki S, Hantel C, Rathkolb B, Hrabě de Angelis M, Reincke M, Beuschlein F, Spyroglou A. Genetic characterization of a mouse line with primary aldosteronism. *J Mol Endocrinol*. 2017 Feb;58(2):67-78. doi: 10.1530/JME-16-0200. Epub 2016 Dec 13. PMID: 27965370.

23: Rhayem Y, Perez-Rivas LG, Dietz A, Bathon K, Gebhard C, Riester A, Mauracher B, Gomez-Sanchez C, Eisenhofer G, Schwarzmayer T, Calebiro D, Strom TM, Reincke M, Beuschlein F. PRKACA Somatic Mutations Are Rare Findings in Aldosterone-Producing Adenomas. *J Clin Endocrinol Metab*. 2016 Aug;101(8):3010-7. doi: 10.1210/jc.2016-1700. Epub 2016 Jun 7. PMID: 27270477.

24: Perez-Rivas LG, Reincke M. Genetics of Cushing's disease: an update. *J Endocrinol Invest*. 2016 Jan;39(1):29-35. doi: 10.1007/s40618-015-0353-0. Epub 2015 Jul 25. PMID: 26208471.

25: Perez-Rivas LG, Theodoropoulou M, Ferraù F, Nusser C, Kawaguchi K, Stratakis CA, Faucz FR, Wildemberg LE, Assié G, Beschorner R, Dimopoulou C, Buchfelder M, Popovic V, Berr CM, Tóth M, Ardisasmita AI, Honegger J, Bertherat J, Gadelha MR, Beuschlein F, Stalla G, Komada M, Korbonits M, Reincke M. The Gene of the Ubiquitin-Specific Protease 8 Is Frequently Mutated in Adenomas Causing Cushing's Disease. *J Clin Endocrinol Metab*. 2015 Jul;100(7):E997-1004. doi: 10.1210/jc.2015-1453. Epub 2015 May 5. PMID: 25942478; PMCID: PMC4490309.

26: Pérez-Rivas LG, Jerez JM, Carmona R, de Luque V, Vicioso L, Claros MG, Viguera E, Pajares B, Sánchez A, Ribelles N, Alba E, Lozano J. A microRNA signature associated with early recurrence in breast cancer. *PLoS One*. 2014 Mar 14;9(3):e91884. doi: 10.1371/journal.pone.0091884. PMID: 24632820; PMCID: PMC3954835.

27: Ribelles N, Perez-Villa L, Jerez JM, Pajares B, Vicioso L, Jimenez B, de Luque V, Franco L, Gallego E, Marquez A, Alvarez M, Sanchez-Muñoz A, Perez-Rivas L, Alba E. Pattern of recurrence of early breast cancer is different according to intrinsic subtype and proliferation index. *Breast Cancer Res*. 2013;15(5):R98. doi: 10.1186/bcr3559. PMID: 24148581; PMCID: PMC3978680.

28: Perez-Rivas LG, Jerez JM, Fernandez-De Sousa CE, de Luque V, Quero C, Pajares B, Franco L, Sanchez-Muñoz A, Ribelles N, Alba E. Serum protein levels following surgery in breast cancer patients: a protein microarray approach. *Int J Oncol*. 2012 Dec;41(6):2200-6. doi: 10.3892/ijo.2012.1667. Epub 2012 Oct 16. PMID: 23076779.

29: Fernández IF, Pérez-Rivas LG, Blanco S, Castillo-Dominguez AA, Lozano J, Lazo PA. VRK2 anchors KSR1-MEK1 to endoplasmic reticulum forming a macromolecular complex that compartmentalizes MAPK signaling. *Cell Mol Life Sci.* 2012 Nov;69(22):3881-93. doi: 10.1007/s00018-012-1056-8. Epub 2012 Jul 4. PMID: 22752157; PMCID: PMC11114894.

30: Sánchez-Muñoz A, Gallego E, de Luque V, Pérez-Rivas LG, Vicioso L, Ribelles N, Lozano J, Alba E. Lack of evidence for KRAS oncogenic mutations in triple-negative breast cancer. *BMC Cancer.* 2010 Apr 13;10:136. doi: 10.1186/1471-2407-10-136. PMID: 20385028; PMCID: PMC2868051.

31: Jagemann LR, Pérez-Rivas LG, Ruiz EJ, Ranea JA, Sánchez-Jiménez F, Nebreda AR, Alba E, Lozano J. The functional interaction of 14-3-3 proteins with the ERK1/2 scaffold KSR1 occurs in an isoform-specific manner. *J Biol Chem.* 2008 Jun 20;283(25):17450-62. doi: 10.1074/jbc.M709185200. Epub 2008 Apr 21. PMID: 18426801.