

57. **Faro J**, von Haeften B, Gardner R and Faro E. A Sensitivity Analysis Comparison of Three Models for the Dynamics of Germinal Centers. *Frontiers in Immunology*, 10:2038. 2019
56. **Faro, J**, Castro, M, Molina-París, C. A unifying mathematical framework for experimental TCR-pMHC kinetic constants. *Scientific Reports*, 7: 46741.1-46741.12. 2017.
55. Maceiras, AR, Paiva Almeida, SC, Mariotti-Ferrandiz, E, Chaara, W, Jebbawi, F, Six, A, Hori, S, Klatzmann, D, **Faro, J[†]**, Graça, L[†] ([†]senior co-authors). T follicular helper and T follicular regulatory cells have different TCR specificity. *Nature Communications*, 8:15067.1-15067.12. 2017.
54. de Carlos, A, **Faro, J (editor)**, González-Fernández, Á, Martínez, VS, Megías, M, Molist, P, Morán, P, Pasantes, JJ, Pombal, MA, Quesada, H. Manual de Técnicas Experimentais en Biología Molecular e Celular. Col. Manuais da Universidade de Vigo, #63. Editorial Servizo de Publicacións da Universidade de Vigo. 2014. (L) ISBN: 978-84-8158-674-9.
50. Olivieri, D., Escalona, M., and **Faro, J**. Software tool for 3D Extraction of Germinal Centers. *BMC Bioinformatics*, 14:S5-1–S5-12. 2013.
53. Olivieri, D., Von Haeften, B, Sánchez-Espinel, Ch., **Faro, J**, and Gambón-Deza, F. Genomic V exons from whole genome shotgun data in reptiles. *Immunogenetics*, 66:479-492. 2014.
52. OrGuil, M and **Faro, J**. A major hindrance in antibody affinity maturation investigation: we never succeeded in falsifying the hypothesis of single-step selection. *Frontiers in Immunology*, 5:237. 2014.
51. Olivieri, D., **Faro, J**, Von Haeften, B, Sánchez-Espinel, Ch. and Gambón-Deza, F. An automated algorithm for extracting immunologic V-genes from genomes in jawed vertebrates. *Immunogenetics*, 65:691-702. 2013.
49. **Faro, J**. and OrGuil, M. How oligoclonal are germinal centers? A new method for estimating clonal diversity from immunohistological sections. *BMC Bioinformatics*, 14:S8-1–S8-9. 2013.
48. Wollenberg, I, Agua-Doce, A., Hernández, A., Almeida, C., Oliveira, V.G., **Faro, J.***, Graca, L*. Regulation of the germinal centre reaction by Foxp3⁺ follicular regulatory T cells. *J. Immunol*, 187:4553-4560. 2011. (*Joint senior authors).
47. Olivieri, D., **Faro, J.**, Gomez-Conde I., and Tadokoro, C. Tracking T and B cells from two-photon microscopy images using constrained Sequential Monte Carlo clusters. *Journal of Integrative Bioinformatics*, 8:180-196. 2011.
46. Olivieri, D., Gomez-Conde I., and **Faro, J**. Tracking T and B cells from two-photon microscopy images using Sequential Monte Carlo. *Advances in Intelligent and Soft Computing*, 93:71-78. 2011.
45. **Faro, J**. and OrGuil, M. Reassessing germinal center reaction concepts. In: *Current Mathematical Models in Immune Cell Biology*, G Lythe and C Molina-París (editors), pp. 241-258. Springer. 2011. (L)
44. Díaz, B., Sánchez-Espinel, Ch., Arruebo, M., **Faro, J.**, de Miguel, E., Magadán, S., Yagüe, C., Fernández-Pacheco, R., Ibarra, R., Santamaría, J., González-Fernández. Assessing Methods for Blood Cell Cytotoxic Responses to Inorganic Nanoparticles and Nanoparticle Aggregates, A. *Small*, 4:2025-2034. 2008.

43. González-Fernández Á. and **Faro J.** Antígenos y su reconocimiento por los anticuerpos. En: *Farreras-Rozman: Medicina Interna, XVI edición*, pp. 2744-2747. Elsevier (España). 2008. (L)
42. González-Fernández A., **Faro J.** and Fernández C. Immune responses to polysaccharides: Lessons from humans and mice. *Vaccine*, 26:292-300. 2008.
41. Carneiro, J., León, K., Caramalho, I., van den Dool, C., Gardner, R., Oliveira, V., Bergman, M.-L., Sepúlveda, N., Paixão, T., **Faro, J** and Demengeot, J. When three is not a crowd: a Crossregulation Model of the dynamics and repertoire selection of regulatory CD4⁺ T cells. *Immunol. Rev.*, 216:48–68. 2007.
40. Moreira, J. and **Faro, J.** Modelling two possible mechanisms for the regulation of the Germinal Centre dynamics. *J. Immunol.*, 177:3705–3710. 2006.
39. **Faro, J**, Combadão, J. and Gordo, I. Did Germinal Centers evolve under differential effects of diversity vs affinity? *Lecture Notes in Computer Science*, 4163:1–8. 2006.
38. Moreira, J. and **Faro, J.** Reevaluating the Recycling Hypothesis in the Germinal Centre. *Immunol. and Cell Biol.*, 84:404–410. 2006.
37. Carneiro, J., Paixão, T., Milutinovic, D., Sousa, J., Leon, K., Gardner, R., and **Faro, J.** Immunological Self-Tolerance: Lessons from Mathematical Modeling. *J. Comp. Appl. Math.*, 184:77-100. 2005.
36. León, K., **Faro, J.**, and Carneiro, J. A General Mathematical Framework to Model Generation Structure in a Population of Asynchronously Dividing Cells. *J. Theor. Biol.*, 229:455-476. 2004.
35. **Faro, J.**, Velasco, S., González-Fernández, A and Bandeira, A. The Impact of Thymic Antigen Diversity on the Size of the Selected T-cell Repertoire. *J. Immunol.*, 172:2247-2255. 2004.
34. León, K., **Faro, J.**, Lage, A. and Carneiro, J. Inverse Correlation between the Incidences of Autoimmune Disease and Infection Predicted by a Model of T cell mediated Tolerance. *J. Autoimmun.*, 22: 31-42. 2004.
33. Bandeira, A. and **Faro, J.** Quantitative constraints on the scope of negative selection: Robustness and weaknesses. *Trends Immunol.*, 24:172-173. 2003.
32. Velasco, S., **Faro, J.** and Román, F.L. A simple experiment for measuring the surface tension of soap solutions. *Am. J. Phys.* 69: 920-921. 2001.
31. Velasco, S., **Faro, J.** and Román, F.L. An experiment for measuring the low temperature vapor line of water. *Am. J. Phys.* 68: 1154-57. 2000.
30. Velasco, S., Román, F.L. and **Faro, J.** A simple experiment for measuring the adiabatic coefficient of air. *Am. J. Phys.* 66: 642-643. 1998.
29. Velasco, S. y **Faro, J.** (eds.) Manual de técnicas experimentales en termodinámica. Col. Libros Prácticos, 1. Ediciones Universidad de Salamanca, Salamanca. 1998. (L) ISBN: 8474819431
28. **Faro, J.** and Velasco, S. An approximation for prey—predator models with time delay. *Physica D.* 110: 313-322. 1997.
27. **Faro, J.**, Carneiro, J and Velasco, S. Further studies on the problem of immune network modeling. *J. Theor. Biol.*, 184:405-421. 1997.

26. Carneiro, J, Coutinho, A, **Faro, J** and Stewart, J. A model of the Immune Network with B-T cell co-operation. I - Prototypical structures and dynamics. *J. Theor. Biol.*, 182:513-529. 1996.
25. **Faro, J** and Carneiro, J. A Commentary on Cohn's Reply. *Scand. J. Immunol.*, 43:6-7. 1996.
24. **Faro, J** and Carneiro, J. The two-signal model and 'self'-reactivity: Are they really incompatible? *Scand. J. Immunol.*, 41:519-522. 1995.
23. **Faro, J** and Velasco, S. Numerical analysis of a model of ligand-induced B cell antigen-receptor clustering. Implications for simple models of B cell activation in an immune network. *J. Theor. Biol.*, 167:45-53. 1994.
22. **Faro, J** and Velasco, S. Crosslinking of membrane-immunoglobulins and B cell activation: a simple model based on percolation theory. *Proc. R. Soc. Lond. B*, 254:139-145. 1993.
21. **Faro, J** and Velasco, S. Studies on a certain class of network models of the immune system. *J. Theor. Biol.*, 164:271-290. 1993.
20. **Faro, J**, Marcos, MAR, Andreu, JL, Martínez-A., C and Coutinho, A. Inside the thymus, MLS antigen is exclusively presented by B lymphocytes. *Res. Immunol.*, 141:723-737. 1990.
19. Andreu-Sánchez, JL, **Faro, J**, Alonso, JM, Paige, CJ, Martínez-A, C and Marcos, MAR. Ontogenic characterization of thymic B lymphocytes. Analysis in different mouse strains. *Eur. J. Immunol.*, 20:1767-1773. 1990.
18. Marcos, MAR, Andreu, JL, Alonso, JM, **Faro, J**, Toribio, ML and Martínez-A, C. Physiological significance of Thymic B lymphocytes. An appraisal. *Res. Immunol.*, 140:275-279. 1989.
17. **Faro, J**, Clinchy, B, Höidéén, I and Möller, G. Capping and co-capping of membrane immunoglobulin and lipid-conjugated immunoglobulin inserted in the cell membrane of B lymphocytes. *Scand. J. Immunol.*, 30:435-440. 1989.
16. Coutinho, A, Grandien, A, **Faro-Rivas, J** and Mota-Santos, TA. Idiotypes, Tailors and Networks. *Ann. Immunol. (Inst. Pasteur)* 139:599-607. 1988.
15. Seoane, R, **Faro, J**, Lareo, I, Eiras, A y Regueiro BJ. Respuesta antifosforilcolina de ratones autoinmunes NZB/W: variaciones con la edad del título y homogeneidad de los sueros. *Revista Española de Fisiología*. 43:151-156. 1987.
14. **Faro, J**, Seoane, R, Eiras, A, Lareo, I, Schiller, M and Regueiro BJ. Immunoresponses to Neisseria meningitidis epitopes: in vivo analysis of immunocompetent cells involved in suppression of secondary response to phosphorylcholine. *Med. Microbiol. Immunol.*, 176:289-303. 1987.
13. **Faro, J**, Seoane, Lareo, I, R, Eiras, A, Couceiro, J and Regueiro BJ. Immunoresponses to Neisseria meningitidis epitopes: immunomodulation by meningococcus B acts on more than one meningococcal surface epitope. *Med. Microbiol. Immunol.*, 176:131-141. 1987.
12. Seoane, R, **Faro, J**, Eiras, A, Lareo, I, Schiller, M and Regueiro BJ. Anti-phosphorylcholine response of autoimmune BWF1 mice: microenvironment of aged mice has a transient effect on responsiveness of immunocompetent cells. *IRCS Med. Sci.*, 14:906-907. 1986.

11. Seoane, R, **Faro, J**, Eiras, A, Lareo, I, Cabezas, JM and Regueiro BJ. Anti-phosphorylcholine response of autoimmune BWF1 mice: priming of aged mice is unable to generate memory T cells. *IRCS Med. Sci.*, 14:392-393. 1986.
10. Seoane, R, **Faro, J**, Eiras, A, Lareo, I, Couceiro, J and Regueiro BJ. Effects of antigen and internal environment on anti-phosphorylcholine immune responses of autoimmune aged NZB/W F1 mice. *Immunology*, 58:329-334. 1986.
9. **Faro, J**, Seoane, R, Eiras, A, Lareo, I, Couceiro, J and Regueiro BJ. Immunoresponses to Neisseria meningitidis epitopes: suppression of secondary response to phosphorylcholine is carrier specific. *Infect. Immun.*, 51:224-232. 1986.
8. **Faro, J**. Modulación meningocócica de la respuesta inmunitaria a epitopos de Neisseria meningitidis. Ed. Universidad de Santiago, Santiago de Compostela, España. 1986. (L)
7. **Faro, J**, Seoane, R, Puentes, E, Ubeira, FM and Regueiro BJ. Immunoresponses to Neisseria meningitidis epitopes: primary versus secondary antiphosphorylcholine responses. *Infect. Immun.*, 48:428-432. 1985.
6. Ubeira, FM, Seoane, R, Puentes, E, **Faro, J** and Regueiro BJ. Effect of clofibrate on the growth-kinetics of the murine P1798(SC) lymphoma. *Brit. J. Cancer*, 48:417-421. 1983.
5. Ubeira, FM, Seoane, R, **Faro, J** and Regueiro BJ. Enzymatic profiles of tumours. Difference between drug-treated and untreated murine lymphoid tumours. *TumorDiagnostik&Therapie*, 4:216-221. 1983.
4. Ubeira, FM, Seoane, R, **Faro, J**, Puentes, E y Regueiro BJ. Variaciones del contenido enzimático en tejidos patológicos humanos. *Oncología 80*, VI:174-181. 1983.
3. Sierra, RT, Casal, MAG-Z, Sánchez, JMM, González, MTG y **Faro, J**. Estudio clínico-epidemiológico, bacteriológico, inmunológico y hemodinámico de la infección meningocócica en Galicia. A propósito de 1099 niños diagnosticados y tratados. En: La Meningitis en Galicia, col. Medicina Galaica, dir. por La Real Academia de Medicina y Cirugía de Galicia. Ed. Fundación Barrié de la Maza, La Coruña. 1983. (L)
2. Ubeira, FM, Seoane, R, Puentes, E, **Faro, J** y Regueiro BJ. Análisis del escape del tumor P1798(SC) al control inmunológico en ratones híbridos (BALB/c x AKR)F1 (BAF1). *Rev. Esp. Oncol.*, 29:711-716. 1982.
1. Ubeira, FM, **Faro, J**, Seoane, R y Regueiro BJ. El Sistema Inmunitario (revisión). *Monografía N° 66*, ed. Univ. de Santiago, Santiago de Compostela, España. 1982. (L)