

## INFORMAZIONI PERSONALI

Maria Manuela dos Anjos Mauricio Rosado

## ASSEGNO DI RICERCA

2021-2023 Assegno di Ricerca  
Dipartimento di Scienze Cliniche Internistiche, Anestesiologiche e Cardiovascolari, University of Rome "Sapienza", Rome, Italy

ESPERIENZA  
PROFESSIONALE

- 2014-2018 **External Consultant in Immunology and Flow-cytometry**  
Scientific and experimental support in immunology and flow-cytometry for Research Toxicology Center (R.T.C), Menarini Group, Pomezia, Italy  
Tasks: preparation of SOPs, formation on the basic principles of flow-cytometry to Research Directors and technicians and assistance in writing and/or revising scientific reports.
- 2009-2013 **Researcher**  
Laboratory of Flow-cytometry and B-cell development, Immunology Unit, Research Center Ospedale Pediatrico Bambino Gesù (IRCSS), Rome, Italy  
Dirigente Biologo Ricercatore Fascia B
- 2005-2008 **Consulting Post-doctoral Fellow**  
Laboratory of Flow-cytometry and B-cell development, Research Center Ospedale Pediatrico Bambino Gesù (IRCSS), Rome, Italy  
Annual contacts on different projects on addressing B cell functions in health and disease both in adults and children.
- 2002-2004 **Post-doctoral Fellow (Marie-Curie Individual fellow)**  
Laboratory of Flow-cytometry and B-cell development, Research Center Ospedale Pediatrico Bambino Gesù (IRCSS), Rome, Italy  
Title of the project - B cells linking innate and acquired immunity in human.
- 2001-2002 **Post-doctoral Fellow (Praxis XXI)**  
Laboratory of Flow-cytometry and B-cell development, Research Center Ospedale Pediatrico Bambino Gesù (IRCSS), Rome, Italy  
Title of the project - B cells linking innate and acquired immunity in human.
- 2000-2001 **Post-doctoral Fellow**  
Laboratory of Vascular Pathology, Istituto Dermatologico dell'Immacolata (IRCCS), Rome, Italy.  
Title of the project – Chemokine/chemokine receptors and thymus development

## ISTRUZIONE E FORMAZIONE

- 1995-2000 **Ph.D. in Immunology**  
PhD course at "Ecole doctorale - B2M, Université Pierre et Marie Curie - Paris 6".  
Université Pierre et Marie Curie (Paris VI), Paris, France  
Experimental work performed at the Laboratoire des Populations Lymphocytaires, Département d'Immunologie, Institut Pasteur, Paris, France  
  
Mention très honorable avec les félicitations du jury
- 1993-1995 **Master of Science in Immunology**  
Universidade do Porto, Instituto de Ciências Biomédicas de Abel Salazar, Porto, Portugal  
Project developed at Unité d'Immunobiologie, Institut Pasteur (Paris, France).
- 1993 **Degree in Biochemistry**  
Universidade do Coimbra, Faculdade de Ciências e Tecnologia, Coimbra, Portugal  
Final score: Bom

COMPETENZE PERSONALI

Lingua madre Portuguese

Altre lingue	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
English	C1	C2	C2	C2	C2
French	C1	C2	C1	C1	B1
Italian	B2	C1	C1	C1	A1

**Competenze comunicative** Good communication skills gained through experience in presenting scientific work in congresses, conferences and laboratory meetings as well as from being chairman at international conferences and teaching activity. Both, in France and in Italy we regularly organized Journal Clubs to promote informal discussions and interaction, the official language in these weekly events being English.

**Competenze organizzative e gestionali** I supported the lab head at the OPBG in all the general managing issues of the working group, including preparation of projects and projects reports, budget, coordination of younger collaborators. During 7 years I was in charge of the formation of three PhD students. I participated at the scientific organization of international meetings and abstract selection for oral presentations.

As a freelance consultant in immunology and flow cytometry in a Contract Research Organization (CRO), I designed protocols and experimental studies in compliance with EU and USA regulatory issues in toxicology following standard operational procedures. As part of my assignment I successfully provided: formation on the basic principles of flow-cytometry to Research Directors and technicians and assistance in writing and/or revising scientific reports.

My present position, as a researcher at the University of Rome "Sapienza", I'm in charge of a group of 4 people (2 under graduated students and 2 graduated on the way to start their PhD) working on two main projects.

**Competenze professionali** **Wet lab skills**  
 B cell proliferation and ASC generation, T cell activation and proliferation, monocyte purification and dendritic cell generation, tissue/cell culture, lymphocyte isolation from normal tissues from tumours, Enzyme-Linked Immunosorbent Assay (ELISA) for immunoglobulin and cytokine detection, Enzyme-Linked ImmunoSpot (ELISpot), Flow-Cytometry, BD-Rhapsody single cell analysis and molecular biology technics.  
 Small animal manipulation.

**Teaching experience- PhD Students**  
 2010-2016 Invited teacher for the Immunology Course, GABBA PhD programme, "B cell functional heterogeneity", organized by Prof. Antonio Freitas and Prof. Benedita Rocha, University of Porto, Portugal

**Teaching experience- Culture della materia**  
 From academic year: 2013-14 Immunologia Molecolare (MED04)  
 From academic year: 2019-20 Citometria a Flusso (MED46)

**Referee for the following journals**  
 PlosOne, Mucosal Immunology, Arthritis and Rheumatism, European Journal of Immunology and Immunology.

**Project Reviewer**  
 20120 Project evaluator for KAPPA programme, Technology Agency of the Czech Republic (Czech Republic)

2017-2018 Project evaluator for Prémio Crioestaminal (Portugal)  
 2013-2017 Project evaluator for The William Harvey International Translational Research Academy

(WHRI-ACADEMY) in the context of the Marie-Curie Actions programme (England)  
**2015-2021** Project evaluator for the European Society of Clinical Microbiology and Infectious Diseases (ESCMID).  
**2016** Project evaluator for Narodowe Centrum Nauki (Poland)  
**2014** Project evaluator for the programme: Reumafonds of the Dutch Arthritis Association (Netherlands)  
**2012** Project evaluator for the programme: Research Based University Chairs of Excellence Universities of Paris (RBUCE-UP-2012) (France)  
**2009-2012** Project evaluator for Agence Nationale de la Recherche (ANR) (France)

#### **Grants as PI-principal investigator**

**2011-** Merieux Research Grants- Institut Merieux, Lyon, France  
**2002-** Marie-Curie Individual fellow- European Community (EU) - QLK2-CT-2001-51093  
**2001-** Praxis XXI Post-Doc fellow- Junta Nacional de Investigação Ciêntifica, Portugal

#### Competenze digitali

AUTOVALUTAZIONE				
Elaborazione delle informazioni	Comunicazione	Creazione di Contenuti	Sicurezza	Risoluzione di problemi
Utente avanzato	Utente avanzato	Utente intermedio	Utente base	Utente intermedio

Microsoft Office™, StatView™, GraphPad-Prism™, Adobe Photoshp™, FreeHand™, CellQuest™, FacsDiva™, FacsSuite™, FlowJo™ and FCS express softwares.

#### Patente di guida

B

#### ULTERIORI INFORMAZIONI

#### Publicazioni

- Picchianti Diamanti A, Rosado MM, Sesti G., Pioli C and Laganà B. SARS-CoV-2 infection and autoimmunity 1-year later: the era of vaccines. *Front. Immunol.* 2021 Sep, vol12, doi: 10.3389/fimmu.2021.708848
- Aranburu A., Camponeschi A., Geissler S., Visentini M., MM Rosado. The B-Side of B Cells. *Front Immunol.* 2021; 12: 758164. Published online 2021 Sep 3. doi: 10.3389/fimmu.2021.758164
- Arena A., Stigliano A., Belcastro E., et al p53 Activation Effect in the Balance of T Regulatory and Effector Cell Subsets in Patients With Thyroid Cancer and Autoimmunity. *Front. Immunol.*, 30 August 2021-doi.org/10.3389/fimmu.2021.728381
- Colucci M, Ruggiero B, Gianviti A, Rosado MM, Carsetti R, Bracaglia C, De Benedetti F, Emma F, Vivarelli M. IgM on the surface of T cells: a novel biomarker of pediatric-onset systemic lupus erythematosus. *Pediatr Nephrol.* 2021 Apr;36(4):909-916. doi: 10.1007/s00467-020-04761-7. Epub 2020 Oct 6.PMID: 33025206
- Rosado MM, Pioli C. ADP-ribosylation in evasion, promotion and exacerbation of immune responses. *Immunology.* 2021 Mar 30. doi: 10.1111/imm.13332. Online ahead of print
- Picchianti-Diamanti A, Spinelli FR, Rosado MM, Conti F, Laganà B. Inhibition of Phosphodiesterase-4 in Psoriatic Arthritis and Inflammatory Bowel Diseases. *Int J Mol Sci.* 2021 Mar 5;22(5):2638. doi: 10.3390/ijms22052638.
- Rosado MM, Aranburu A. et al. Purification and Characterization of Murine MZ and T2-MZP Cells. Immune suppression by B cells. *Methods Molecular Biology* 2021; 2270:3-25. doi: 10.1007/978-1-0716-1237-8\_1.
- Rosado MM, Pioli C. Cancer-host battles: measures and countermeasures in radiation-induced caspase activation and tumor immunogenicity. *Cell Mol Immunol.* 2020 Oct;17(10):1022-1023. doi: 10.1038/s41423-020-0513-9. Epub 2020 Jul 24.
- Picchianti Diamanti A, Rosado MM, Pioli C, Sesti G. and Laganà B. Cytokine release syndrome in COVID-19 patients, a new scenario for an old concern: the fragile balance between infections and autoimmunity. *Int. J. Mol. Sci.* 2020, 21, 3330; doi:10.3390/ijms21093330
- Pellegrino M, Crinò A, Rosado MM, et al. Effect of p53 activation through targeting MDM2/MDM4 heterodimer on T regulatory and effector cells in the peripheral blood of Type 1 diabetes patients *PLoS One.* 2020 Jan 29;15(1): e0228296. doi: 10.1371/journal.pone.0228296.
- Carsetti R, Di Sabatino A, Rosado MM, Cascioli S, et al. Lack of gut secretory

- immunoglobulin A in memory B-cell dysfunction-associated disorders: A possible gut-spleen axis. *Front. Immunol.* 2020 Jan 8; 10:2937. doi: 10.3389/fimmu.2019.02937.
12. Colucci M, Carsetti R, Rosado MM, Cascioli S, et al. Atypical IgM on T cells predict relapse and steroid dependence in idiopathic nephrotic syndrome. *Kidney Int.* 2019 Oct;96(4):971-982. doi: 10.1016/j.kint.2019.04.006. Epub 2019 May 7.
  13. Pellegrino M, Crinò A, Rosado MM, Fierabracci A. Identification and functional characterization of CD8+ T regulatory cells in type 1 diabetes patients. *PLoS One.* 2019 Jan 16;14(1): e0210839. doi: 10.1371/journal.pone.0210839
  14. Rosado MM, Aranburu A, et al. Spleen development is modulated by neonatal gut microbiota. *Immunol Lett.* 2018 Jul; 199:1-15. doi: 10.1016/j.imlet.2018.04.010.
  15. Rosado MM, Simkó M, Mattsson M and C. Pioli. Immune-Modulating Perspectives for Low Frequency Electromagnetic Fields in Innate Immunity *Front. Public Health*, 26 March 2018. doi.org/10.3389/fpubh.2018.00085
  16. Picchianti Diamanti A, Rosado MM, Laganà B. Infectious agents and inflammation: the role of microbiota in autoimmune arthritis. *Front. Microbiol.* 2018 Jan 16; 8: 2696. doi: 10.3389/fmicb.2017.02696
  17. Novelli F, Vadrucci M, Rosado MM, et al. Effects of *in vivo* proton irradiation on mouse T and B lymphocytes. *Radiation and Applications Journal*, Volume 2–Issue 3, 233 – 235.
  18. Picchianti Diamanti A, Laganà B, et al. TCD4<sup>pos</sup> lymphocytosis in rheumatoid and psoriatic arthritis patients following TNF $\alpha$  blocking agents. *J. of Translational Med.* 2017 Feb 21;15(1):38. doi: 10.1186/s12967-017-1135-6.
  19. Picchianti Diamanti A, Rosado MM, Laganà B, D'Amelio R. Microbiota and chronic inflammatory arthritis: an interwoven link. *J. of Translational Med.* 2016; 14(1): 233.
  20. Mortera SL, et al. Monitoring Perinatal Gut Microbiota in Mouse Models by Mass Spectrometry Approaches: Parental Genetic Background and Breastfeeding Effects. *Front Microbiol.* 2016; 7: 1523
  21. Perri V, et al. Altered B cell homeostasis and Toll-like receptor 9-driven response in patients affected by autoimmune polyglandular syndrome Type 1: Altered B cell phenotype and dysregulation of the B cell function in APECED patients. *Immunobiology.* 2016 Sep 9. pii: S0171-2985(16)30363-1-
  22. Perri V, et al. Expression of PD-1 Molecule on Regulatory T Lymphocytes in Patients with Insulin-Dependent Diabetes Mellitus. *Int. J. of Mol. Sci.* 2015 Sep 18;16 (9):22584-605. doi: 10.3390/ijms160922584.
  23. Picchianti Diamanti A, Rosado MM, et al. Increased serum IgM, immunodeficiency and autoimmunity: a clinical series. *Int. J. of Immunopath. and Phar.* 2015 Dec; 28(4):547-56
  24. Rosado MM, et al. Inhibition of B-cell proliferation and antibody production by mesenchymal stromal cells is mediated by T cells. *Stem Cell Development* 2015 Jan 1; 24(1): 93-103.
  25. Zaffina S, et al. Repeated vaccinations do not improve specific immune defenses against Hepatitis B in non-responder Health Care Workers *Vaccine* 2014 Nov 5; 32(51): 6902-6910.
  26. Giancchetti E, et al. Altered B cell homeostasis and Toll-like receptor 9-driven response in Type 1 Diabetes carriers of the C11858T PTPN22 allelic variant: implications in the disease pathogenesis. *PLOSone* 2014 Oct 21; 9(10):e110755
  27. Rosado MM, et al. Effects of GSM-modulated 900 MHz radiofrequency electromagnetic fields on the hematopoietic potential of mouse bone marrow cells. *Bioelectromagnetics* 2014 Dec; 35(8): 559-67.
  28. Rosado MM, et al. Purification and immunophenotypic characterization of murine MZ and T2-MZP cells. Immune suppression by B cells. *Methods Mol. Biol.* 2014;1190: 3-16.
  29. Cupi ML, et al. Plasma cells in the mucosa of patients with inflammatory bowel disease produce granzyme B and possess cytotoxic activities. *J. Immunol.* 2014 Jun 15;192(12):6083-91.
  30. Picchianti Diamanti A, Rosado MM, et al. Abatacept (CTLA4-Ig) improves B cell function and Treg inhibitory capacity in rheumatoid arthritis patients non responding to anti-TNF-alpha agents. *Clin. Exp. Immunol.* 2014 Sep;177(3):630-40.
  31. Picchianti Diamanti A, Rosado MM, et al. P-glycoprotein and drug resistance in systemic autoimmune diseases *Int. J of Mol. Sci.* 2014 Mar 20;15 (3):4965-76. doi: 10.3390/ijms15034965.
  32. Del Chierico F, et al. A metaproteomic pipeline to identify newborn mouse gut phylotypes. *J. of Proteomics* 2014 Jan 31;97: 17-26.
  33. Sambucci M, et al. Effects of PARP-1 deficiency on Th1 and Th2 cell differentiation. *The Scientific World Journal* 2013 Nov 5; 2013:375024.
  34. Rosado MM, Gesualdo F, et al. Preserved antibody levels and loss of memory B cells against pneumococcus and tetanus after splenectomy: rationale for tailored vaccination strategies.

- Eur. J. Immunol. 2013 Oct; 43(10): 2659-70
35. Rosado MM, et al. Being a B-cell: from bone marrow precursors to antibody producing cells. *Mouse Models of Allergic Disease. Methods in Molecular Biology.* Irving C. Allen (Ed.) New York: Humana Press. 2013; 1032:45-57 ISBN 978-1-62703-495-1
  36. Rosado MM, et al. Beyond DNA repair, the immunological role of PARP-1 and its siblings. *Immunology* 2013 Aug; 139(4): 428-37
  37. Capolunghi F, Rosado MM, et al. Why we need memory? *Immunology Letters* 2013 May; 152 (2):114-20.
  38. Di Sabatino A, Rosado MM, Carsetti R, et al. Immunoglobulin a Plasma Cell Depletion in the Small Bowel Mucosa of Common Variable Immune Deficiency (CVID) and Asplenic Patients With Decreased Circulating Memory B Cells. *Gastroenterology* May 2012; Volume: 142 Issue: 5 Supplement: 1 Pages: S685-S685
  39. Rosado MM, Picchianti Diamanti A, et al. Hyper-IgM, neutropenia, mild infections and low response to polyclonal stimulation: hyper-IgM syndrome or common variable immunodeficiency? *Int. J. Immunopathol Pharmacol.* 2011 Oct; 24(4):983-991.
  40. Rosado MM, et al. B cell modulation strategies in autoimmunity: the SLE example. *Curr. Pharm. Des.* 2011; 17(29): 3155-65.
  41. Rosado MM, Scarsella M, et al. Switched memory B cells maintain specific memory independently of serum antibodies: The hepatitis B example. *Eur. J. Immunol.* 2011 Jun; 41(6): 1800-8.
  42. Picchianti AD, Rosado MM, et al. Reversion of resistance to immunosuppressive agents in three patients with Psoriatic Arthritis by Cyclosporine A: modulation of P-glycoprotein function. *Clin. Immunology* 2011 Jan; 138 (1): 9-13.
  43. Capolunghi F, Rosado MM, et al. Pharmacological inhibition of TLR9 activation blocks autoantibody production in human B cells from SLE patients. *Rheumatology* 2010 Dec; 49 (12): 2281-9.
  44. Di Sabatino A, et al. Peripheral regulatory T cells and serum transforming growth factor- $\beta$ : Relationship with clinical response to infliximab in Crohn's disease. *Inflamm. Bowel Dis.* 2010 Nov; 16(11): 1891-7.
  45. Nasta F, et al. Increased Foxp3<sup>+</sup> regulatory T cells in poly(ADP-Ribose) polymerase-1 deficiency. *J. Immunol.* 2010 Apr 1; 184 (7):3470-7.
  46. Rosado MM, et al. From the fetal liver to spleen and gut: the highway to natural antibody Mucosal Immunol. 2009 Jul; 2(4):351-61.
  47. Di Sabatino A, et al. Increased expression of mucosal addressin cell adhesion molecule 1 in the duodenum of patients with active celiac disease is associated with depletion of integrin alpha4beta7-positive T cells in blood. *Hum Pathol.* 2009 May; 40(5):699-704.
  48. Prisco MG, et al. Effects of GSM-modulated radiofrequency electromagnetic fields on mouse bone marrow hematopoietic stem cells. *Radiation Research* 2008; 170(6): 803-810.
  49. Di Sabatino A, Rosado MM, et al. Splenic function and IgM-memory B cells in Crohn's disease patients treated with infliximab *Inflammatory Bowel Diseases*, 2008 May; 14(5):591-6.
  50. Barone F, et al. CXCL13, CCL21, and CXCL12 expression in salivary glands of patients with Sjogren's syndrome and MALT lymphoma: association with reactive and malignant areas of lymphoid organization. *J. Immunol.* 2008 Apr 1; 180(7):5130-40.
  51. Capolunghi F, et al. CpG drives transitional B cells to terminal differentiation and production of natural antibodies. *J. Immunol*, 2008, Jan 15; 180(2); 800-8.
  52. Cipollone D, et al. Folic acid and methionine in the prevention of teratogen-induced congenital defects in mice *Cardiovascular Path.* 2008, Jan; 18; 5-10
  53. Picchianti Diamanti A, et al. B cells in SLE: Different biological drugs for different pathogenic mechanisms. *Autoimmune Reviews*, 2007, Dec; 7 (2) 143-8.
  54. Di Sabatino A, Rosado MM, et al. Impairment of splenic IgM-memory but not switched-memory B cells in a patient with celiac disease and splenic atrophy. *JACI.* 2007 Dec; 120 (6): 1461-3.
  55. Brendolan A, Rosado MM, et al. Development and function of the mammalian spleen. *Bioessays*, 2007 Feb; 29(2): 166-77.
  56. Di Sabatino A, Rosado MM, et al. Splenic Hypofunction and the spectrum of autoimmune and malignant complications in celiac disease. *Cli. Gastr. and Hep.* , 2006 Feb; 4(2): 179-86.
  57. Di Sabatino A, Rosado MM, et al. Depletion of immunoglobulin M memory B cells is associated with splenic hypofunction in inflammatory bowel disease. *Am. J. of Gastroenterol.* 2005 Aug; 100:1788-95.
  58. Carsetti R, Rosado MM, et al. The loss of IgM memory B cells correlates with clinical disease in common variable immunodeficiency. *JACI* 2005 Feb; 115(2):412-7.

59. Di Sabatino A, Carsetti R, et al. Immunoglobulin M memory B cell decrease in inflammatory bowel disease. *Eur. Rev. Med.Pharmacol Sci.* 2004 Sep-Oct;8(5):199-203.
60. Gaudin E, et al. Positive Selection of B Cells Expressing Low Densities of Self-reactive BCRs. *J. Exp. Med.*, Mar 2004; 199: 843 - 853.
61. Carsetti R, Rosado MM and Hedda Wardemann. Peripheral development of B cells in mouse and man. *Immunol. Reviews* 2004; 197:179-19.
62. Gaudin E, Rosado MM, et al. B-cell homeostasis, competition, resources, and positive selection by self-antigen. *Immunol. Reviews* 2004; 197: 102-115.
63. Kruetzmann S, Rosado MM, et al. Human IgM memory B cells controlling *Streptococcus pneumoniae* infections are generated in the spleen. *J. Exp. Med.* 2003, 7 april; 197 (7): 939-45.
64. Rosado MM and António Freitas. B cell positive selection by self-antigens and counter-selection of dual BCR cells in the peripheral B cell pools. *Eur. J. Immunol.* 2000.30:2181-2190.
65. Agenes F, Rosado MM and António Freitas. Considerations on B cell homeostasis. *Curr. Top. Microbiol. Immunol.* 2000; 252:68-75.
66. MM Rosado and António Freitas. The role of the BCR V-region recognition in peripheral B cell survival. *Eur. J. Immunol.* 1998. 28:2685-2693.
67. Tanchot, C Rosado MM, Agenes F, et al. Lymphocyte homeostasis. *Seminars in Immunology*, 9, 1997:331-337.
68. Agenes F, Rosado MM and António Freitas. Independent homeostatic regulation of B cell compartments. *Eur. J. Immunol* 1997. 27:1801-1807.
69. McLean AR, Rosado MM, et al. Resource competition as a mechanism for B cell homeostasis. *Proc. Natl. Acad. Sci. U.S.A* 1997. 94: 5792-5797.
70. Freitas AA, Rosado MM, et al. The role of cellular competition in B cell survival and selection of B cell repertoires. *Eur. J. Immunol.* 1995. 25: 1729-1738.

Progetti

**Grants as PI-principal investigator**

Merieux Research Grants- Institut Merieux, Lyon, France (2011-2013)

Marie-Curie Individual fellow- European Community (EU) - QLK2-CT-2001-51093 (2002-2004)

Praxis XXI Post-Doc fellow- Junta Nacional de Investigação Científica, Portugal (2001-2002)

Conferenze

**May 2022** - XIII National Congress SIICA- Italian Society for Immunology, Clinical Immunology and Allergology, Induction of SARS-CoV-2-specific regulatory T cells in COVID-19 patients and vaccinated individuals. Naples, Italy

**October 2017**- Società Italiana di Citometria, Corsi di Aggiornamento per la formazione continua del citometrista, Peastum, Italy “

**April 2017**- Società Italiana di Citometria, Corso di Immunopatologia e Citometria a Flusso, “Memory B cells in health and disease”, Palinuro, Italy “

**April 2016** – ECCMID 2016 26th European Congress of Clinical Microbiology and Infectious Diseases, “Splenic function and B cells: Consequences for clinical management”, Amsterdam, Holland

**October 2015** – IFIR 2015 4th International Forum on Immunology Research, “Inhibition of B-cell proliferation and antibody production by mesenchymal stromal cells is mediated by T cells”, Berlin, Germany

**March 2015** - 17<sup>th</sup> Congresso Nazionale SITOX”, Milan, Italy.

**September 2011** - 17<sup>th</sup> Germinal Centre Conference “Gut microflora and spleen development in newborns”, The Belfry, Wishaw, UK

**May 2011** - European Science Foundation, European Research Conference: B cells and protection: back to basics, “Old cells, new functions?” Saint Felius, Spain

**May 2005** - 4<sup>th</sup> National Conference SIICA, “B cells and bacteria: fighting and living together”, Brescia, Italy.

**May 2003** - European Science Foundation, European Research Conference, “Characterization of a novel human B cell subset that protects against encapsulated bacterial infection”, Acquafredda di Maratea, Italy.

Seminari

**June 2002** - GCC International Conference, “The absence of IgM memory B cells correlates with increase susceptibility

**November 2017** “Spleen development is modulated by neonatal gut microbiota” – Department of Rheumatology and Inflammation, Goteborg University.

**May 2016**- "Splenic Function and B cells" – Department of Genetics, University of Leicester, Leicester

**December 2015**- "Spleen development is modulated by neonatal gut microbiota" – Mini Symposium in honour of Antonio Freitas, Institute Pasteur, Paris

**November 2014**- "Gut microflora and spleen development in newborns" - Giornata Romana di Immunologia, Università La Sapienza, Roma

**April 2014**- Escola de Ciências da Saúde (ECS), "IgA in maternal milk and neonatal gut microbiota trigger B cell development in the spleen", University of Minho, Portugal

**February 2012** - "Microbiota and spleen development"- Instituto de Medicina Molecular (IMM), University of Lisboa, Portugal

**June 2010** - "Il microambiente intestinale modula lo sviluppo della milza" - Seminario di Medicina Interna, Policlinico S.Matteo, Pavia, Italy.

**May 2002** - "The absence of IgM memory B cells correlates with increased susceptibility to infections by encapsulated bacteria"- Instituto Gulbenkian da Ciência, Lisboa, Portugal

**December 2001** - "The absence of IgM memory B cells correlates with increased susceptibility to infections by encapsulated bacteria"- IPATIMUP, Universidade do Porto, Porto, Portugal

**May 2001** - "B cell selection by a mechanism of cellular competition", Centro De Citologia, Universidade do Porto, Porto, Portugal

**January 2001** - "B cell selection by a mechanism of cellular competition" European Molecular Biology Laboratory (EMBL), Monterotondo, Italy

**September 2000** - "B cell selection by a mechanism of cellular competition", Centre d'Immunologie, INSERM-CNRS de Marseille-Luminy, Marseille, France

Appartenenza a gruppi /  
associazioni

Committee member of ISCCA-Italian Society for Cytometric Cell Analysis- Subgroup of veterinary.  
Portuguese Society for Immunology  
Portuguese Biochemical Society

Corsi

**Teaching experience- PhD Students**

2010-2016 Invited teacher for the Immunology Course, GABBA PhD programme, "B cell functional heterogeneity", organized by Prof. Antonio Freitas and Prof. Benedita Rocha, University of Porto, Portugal

**Teaching experience- Cultore della materia**

From academic year: 2013-14 Immunologia Molecolare (MED04)

From academic year: 2019-20 Citometria a Flusso (MED46)

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Dati personali

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

La sottoscritta dichiara di essere consapevole che il presente *curriculum vitae* sarà pubblicato sul sito istituzionale dell'Ateneo, nella Sezione "Amministrazione trasparente", nelle modalità e per la durata prevista dal d.lgs. n. 33/2013, art. 15.

Data Roma, 20/09/2022

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Maria Manuela dos Anjos Mauricio Rosado