

Curriculum Vitae

Personal information Maria Chamorro Somoza Diaz-Sarmiento

Work experience

- 1. Employer: Agencia Española de Medicamentos y Productos Sanitarios (AEMPS) Start date: 042012

 - End date:
 - Position: Quality Assessor Biological and Biotechnology Division
- Activities: _ Plama Masterfile File assessor _ Quality assessment of blood_derived and other biological medicinal products for human use, including new applications and variations of marketing authorizations. _Participation in EMA's Scientific Advice on Quality Aspects for
- - End date: 2007
- Position: Senior Scientist
 Activities: _See Projects, below
 Country: United States
 Employer: DNAX RESEARCH INSTITUTE, Palo Alto, California
 - Start date: 1992

 - End date: 2000 Position: Post_doctoral fellow/Senior Research Associate
 - Activities: _See Projects, below Country: United States
- 4. Employer: MRC CELLULAR IMMUNOLOGY UNIT, Oxford
 - Start date: 1989
 - End date: 1992
 - Position: Post_doctoral fellow Activities: _See Projects, below Country: United Kingdom

Education and training

- 1. Subject: Universidad Autónoma de Madrid,
 - Start date: End date: 1983

 - Qualification: M.D.
 - Organisation:
- Country: Spain
 2. Subject: Hospital Puerta de Hierro, Madrid

 - Start date: End date: 1988
 - Qualification: Specialist in Clinical Immunology Organisation:
- Country: Spain
 Subject: Universidad Autónoma de Madrid
 Start date:

 - End date: 1989 Qualification: Ph.D.
 - Organisation:
 - Country: Spain

Additional information

Publications

PUBLICATIONS 1. Silva, A., Ruiz, E.F. and Somoza, C. 1985. Líneas e Híbridos T citotóxicos. In: Nuevas perspectivas en Immunología. Eds. Enjuanes, L., Fresno, M. and Larraga, V. C.S.I.C., Madrid. 2. Silva, A., Fernández_Ruiz, E., Sanz, E. and Somoza, C. 1989. Growth requirements of T cell hybridomas obtained by the fusion between a mouse cytolitic T cell line and the rat tumor C58NTD. Hybridoma, 8:61. 3. Somoza, C., Fernández_Ruiz, E., Jotterand_Bellomo, M., Sanz, E., Nabholz, M. and Silva, A. 1989. Loss of IL2 dependence in cloned IL2 dependent rat CTLx BW5147 hybridomas is not associated with segregation of a specific pair of rat chromosomes. Eur. J. Immunol. 19:1777. 4. Fernández_Ruiz, E., Rebollo, A., Nieto, M.A., Sanz, E., Somoza, C., Ramírez, F., López_Rivas, A. and Silva, A. 1989. Interleukin 2 protects T cell hybrids from the cytolitic effect of glucocorticoids: Synergistic effect of Interleukin 2 and dexamethasone in the induction of high affinity Interleukin 2 receptors. J. Immunol. 143: 4146. 5. Cyster, J.G., Somoza, C., Killeen, N. and Williams, A.F. 1990. Protein sequence and gene structure for mouse leukosialin (CD43) a T lymphocyte mucine without introns in the coding sequence. Eur. J. Immunol. 20: 875. 6. Somoza, C., Fernández_Ruiz, E., Rebollo, A., Sanz, E., Ramírez, F. and Silva, A. 1990. OX_48 a monoclonal 6. Somoza, C., Fernández_Ruiz, E., Rebollo, A., Sanz, E., Ramírez, F. and Silva, A. 1990. OX_48 a monoclonal antibody against a 70kD rat activation antigen expressed by cells bearing the high affinity Interleukin 2 receptor. Immunology 70: 210. 7. Schockmel, G.A., Somoza, C., Davis, S.J., Williams, A.F. and Healey, D. 1992. Construction of a binding site for HIV_1 gp120 in rat CD4. J. Exp. Med. 175: 301. 8. Classon, B.J., Brown, M.H., Garnett, D., Somoza, C., Barclay, A.N., Willis, A.C. and Williams, A.F. 1992. The hinge region of the CD8 b chain: Structure, antigenicity and utility in expression of immunoglobulin superfamily domains. Inter. Immunol. 4:215. 9. Davis, S.J., Schockmel, G.A., Somoza, C., Buck, D.W., Healey, D., Rieber, E.P., Reiter, C. and Williams, A.F.1992. Antibody and HIV_1 gp120 recognition of CD4 undermines the concept of mimicry between antibodies and receptors. Nature 358:76. 10. Ashford, D.A., Alafi, C.D., Gamble, V.M., Mackay, D.J.G., Rademacher, T.W., Williams, P.J., Dwek, R.A., Barclay, A.N., Davis, S.J., Somoza, C., Ward, H.A. and Williams, A.F.1993. Site_specific glycosylation of recombinant rat and human soluble CD4 variants expressed in Chinese hamster ovary cells. J. Biol. Chem. 268:3260. 11. Simon, J.H.M., Somoza, C., Schockmel, G.A., Collin, M., Davis, S.J., Williams, A.F. and James, W. S. 1993. A rat CD4 mutant containing the gp120_binding site mediates human immunodeficiency virus type 1 infection. J. Exp. Med. 177: 949. 12. Somoza, C., Driscoll, P.C., Cyster, J.G. and Williams, A.F.1993. Mutational analysis of the CD2/CD58 interaction: The binding site for CD58 lies in one face of the first domain of human CD2. J. Exp. Med. 178: 549. 13. Barclay, A.N., Birkeland, M.L., Brown, M.H., Beyers, A.D., Davis, S.J., Somoza, C. and Williams, A.F. 1993. The leukocyte antigen FactsBook. Academic Press. Harcourt Brace Jovanovich, Publishers. London. 14. Driscoll, P.C., Cyster, J.G., Somoza, C., Crawford, A.D., Howe, P., Harvey, T.H., Kieffer, B., Campbell, I.D. and Williams, A.F. 1993. Structure_function studies of CD2 by NMR and mutagenesis. Biochemical Society Transactions 21: 947. 15. Azuma, M., Ito, D., Yagita, H., Okumura, K., Phillips, J. H., Lanier, L.L. and Somoza, C. 1993. B70 antigen is a second ligand for CTLA_4 and CD28. Nature 366:76. 16. Lanier, L. L., O'Fallon, S., Somoza, C., Phillips, J.P., Linsley, P. S., Okumura, K., Ito, D. and Azuma, M. 1995. CD80 (B7) and CD86 (B70) provide similar costimulatory signals for T cell proliferation, cytokine production, and generation of CTL. J. Immunol. 154:97. Ma Chamorro SOMOZA DIAZ_SARMIENTO, M.D. Ph.D. C/ Marcenado, 24 Bajo I., 28002 Madrid | 685_634_760 | chamosom@yahoo.com | www.linkedin.com/in/chamorro 17. Fernández, Ruiz, E., Somoza, C., Sánchez, Madid, F. and Lanier, L. L. 1995. CD28/ CTLA4 ligands: the gene encoding CD86 (B70/B7.2) maps to the same region as CD80 (B7/B7.1) gene in human chromosome 3q13_q23. Eur. J. Immunol. 25:1453. 18. Somoza, C., and Lanier, L. L. 1995. T cell costimulation via CD28/CD80_CD86 and CD40/CD40

Projects

ARBOR VITA CORPORATION, Sunnyvale, CA DEVELOPMENT OF NEW THERAPIES AND DIAGNOSTIC TESTS FOR CERVICAL CANCER _Designed a point of care diagnostic assay for cervical cancer that detects the HPV E6 oncoprotein _Generated monoclonal antibodies against the E6 protein of over 15 oncogenic HPV types _Identified and validated novel targets for cervical cancer _Identified a novel kinase pathway involved in cervical cancer transformation by Human Papillomavirus (HPV) 16 E6 oncoprotein STUDY ROLE OF PDZ PROTEINS IN AUTOIMMUNE DISEASE AND CANCER. _Uncovered cellular PDZ protein targeted by HTLV_1 leukemia virus DNAX RESEARCH INSTITUTE, Palo Alto, USA ESTABLISHMENT OF CONDITIONAL GENE TARGETING SYSTEM OF PU.1 IN MONOCYTES/MACROPHAGES _Generated standard and conditional knock_out mice of transcription factor PU.1 _Studied the development of microglia in the central nervous system of PU.1 knock_out mice _Generated transgenic mice lines of CRE recombinase under monocyte specific promoters IDENTIFICATION AND ANALYSIS OF THE LIGAND OF T LYMPHOCYTE CO_STIMULATORY MOLECULE CD28 _Cloned and characterized human CD86 which binds CD28 and CTLA_4 proteins and plays a major role in T lymphocyte activation _Generated mouse CD86 targeting constructs and used homologous recombination to isolate mouse ES cells containing a disrupted CD86 allele CELLULAR IMMUNOLOGY UNIT, Oxford, UK RECREATION OF THE HIV_1 GP120 BINDING SITE IN RAT CD4 PROTEIN PERMITTING VIRAL INFECTION OF RAT CELLS STRUCTURE_FUNCTION STUDIES OF LYMPHOCYTE IMMUNOGLOBULIN SUPERFAMILY MOLECULES _Engineered a mutant of the rat CD4 molecule containing the gp120_binding site for HIV_1 allowing the viral infection of rat cells. _Mutational study of human CD58 protein to determine the amino acids involved in the interaction between lymphocyte adhesion molecules CD58 and CD2 _Isolated cDNA clones of mouse leukosialin (CD43) from phage library

Memberships

Other Relevant Information

US PATENTS ARBOR VITA CORPORATION Systems of diagnosing cervical cancer 8048676, 2011 Methods of diagnosing cervical cancer 7972774, 2011 Antibodies for oncogenic strains of HPV and methods of their use 7399467, 2008 Methods of diagnosing cervical cancer 7312041, 2007 NON_SCIENTIFIC EXPERIENCE 2008_2011 Operations Manager of Social Business: TeamWorks House Cleaning Cooperative, San Jose, CA