

## **Examples of Published Scientific Reviews**

1. S.B.A. Cohen After-Life of the Afterbirth (2000). Summary of the Inaugural meeting of the UK Cord Blood Immunology Group
2. S.B.A. Cohen Proceedings of the (2000) Annual UK Cord Blood Immunology Group (2000)
3. S.B.A. Cohen, X. N. Wang, A. Dickinson (2000). Can Cord Blood Cells Support The Cytokine Storm In GvHD? Cytokine and Growth Factor Reviews 11, 185-197
4. I.Perez-Cruz, S.B.A. Cohen , J.A. Madrigal. (1999) Produccion de citocinas por linfocitos de cordon umbilical. Relacion con el transplante alogenico de celulas multipotenciales. Hematol. Citocinas Inmunoter. Ter. Cel. 2:6 425-233
5. S.B.A. Cohen , I. Perez-Cruz, P. Fallen, E. Gluckman, J.A. Madrigal (1999). Analysis of the cytokine production by cord and adult blood. Human Immunol. 60, 331-336 .
6. S.B.A. Cohen , E. Dominguez, M. Lowdell & J.A. Madrigal (1998). The Immunological properties of cord blood: Overview of current research presented at the 2nd EUROCORD Workshop. Bone Marrow Transpl . 22 , S1 22-25
7. A.B. McDermott, S.B.A. Cohen , J. N. Zuckerman, J. A. Madrigal (1998). Hepatitis B Third Generation Vaccines: Improves Response And Conventional Vaccine Non-Response - Evidence For Genetic Basis In Man. Journal of Viral Hepatitis 5, (S2) 9-11 .
8. J.A. Madrigal, S.B.A. Cohen , E. Gluckman, D.J. Charron (1997). Does cord blood transplantation result in lower graft-versus-host disease? It takes more than two to tango. Human Immunol . 56 , 1-5.

## **Peer Reviewed Scientific Publications**

### Autoimmune Diseases

1. S. Brookes, S.B.A. Cohen, E.J. Price, L.M.C. Webb, M. Feldmann, R.N. Maini, P. Venables. (1996). T cell clones from Sjogrens syndrome salivary gland produce high levels of IL-10. Clin. Exp. Immunol. 103 , 268-272
2. S.B.A. Cohen , P.D. Katsikis, C.Q. Chu, H. Thomssen, L.M.C. Webb, R.N. Maini, M. Londei, M. Feldmann. (1995). High IL-10 production by the activated T cell population within the rheumatoid membrane. Arthritis and Rheumatism . 38 , 946-952.
3. R. Mullins, S.B.A. Cohen, L.M.C. Webb, Y. Chernajovsky, C. Dayan, M. Londei, M. Feldmann. (1995). Identification of thyroid stimulating hormone receptor-specific T cells in Graves' disease thyroid using autoantigen-transfected Epstein-bar virus-transformed B cell lines. J. Clin. Invest . 96 , 30-37.
4. A.P. Cope, M. Londei, N.R. Chu, S.B.A. Cohen , M.J. Elliott, F.M. Brennan, R.N. Maini, M. Feldmann. (1994). Chronic exposure to tumor necrosis factor (TNF) in vitro

- impairs the activation of T cells through the T cell receptor/CD3 complex; reversal in vivo by anti-TNF antibodies in patients with rheumatoid arthritis. *J. Clin. Invest.* 94 , 749-760.14.
5. S.B. Cohen , T. Diamantstein, A.P. Weetman. (1990). The effect of T cell subset depletion on autoimmune thyroiditis in the Buffalo strain rat. *Immunol. Lett.* 23, 263-268.
  6. W.P. Teng, S.B. Cohen , D.N. Posnett, A.P. Weetman. (1990). T cell receptor phenotypes in autoimmune thyroid disease. *J. Endocrinol. Invest.* 13 , 339-342.
  7. S.B. Cohen , A.P. Weetman. (1990). Serological analysis of experimental autoimmune thyroiditis in the rat. *Int. Arch. Allergy and Clin. Immunol.* 91, 47-53.
  8. A.P. Weetman, S.B. Cohen , K.C. Gatter, P. Fells, B. Shine. (1989). Immunohistochemical analysis of retrobulbar tissue in Graves' Ophthalmopathy. *Clin. Exp. Immunol.* 75 , 222-227.
  9. A.P. Weetman, S.B. Cohen , M.W. Makgoba, L.K. Borysiewicz. (1989). Expression of an intracellular adhesion molecule, ICAM-1, by human thyroid tissue. *J. Endocrinol.* 122 , 185-191
  10. A.P. Weetman, C.M. Black, S.B. Cohen , R. Tomlinson, J.P. Banga, C.B. Reimer. (1989). Affinity purification of IgG subclasses and the distribution of thyroid autoantibodies from patients with Hashimoto's thyroiditis. *Scand. J. Immunol.* 30 , 73-82.
  11. A.P. Weetman, S.B. Cohen , D.A. Oleesky, P.B. Morgan. (1989). Terminal complement complexes and C1\|C1 inhibitor complexes in autoimmune thyroiditis. *Clin. Exp. Immunol.* 77 , 25-30.
  12. S.B. Cohen , A.P. Weetman. (1988). Anti-thyroid drugs ameliorate thymectomy-induced experimental autoimmune thyroiditis. *Autoimmunity* . 1 , 57-58.
  13. S.B. Cohen , C.D. Dijkstra, A.P. Weetman (1988). Sequential analysis of experimental autoimmune thyroiditis induced by neonatal thymectomy of the Buffalo strain rat. *Cell. Immunol.* 114 , 126-136.
  14. S.B. Cohen , A.P. Weetman. (1988). The effect of iodine depletion and supplementation in the Buffalo strain rat. *J. Endocrinol. Invest.* 11 , 625-627
  15. S.B. Cohen , A.P. Weetman. (1988). Activated interstitial and intraepithelial lymphocytes in autoimmune thyroiditis. *Acta Endocrinol.* 119 , 161-166.
  16. A.P. Weetman, S. Cohen . (1987). The relationship of HLA-DR3 and the outcome after anti-thyroid drugs and the distribution of thyroid autoantibodies in Graves' disease. *Acta Endocrinol.* 114 , 292-297. .
  17. S.B.Cohen , A.P. Weetman. (1987). Characterisation of different types of experimental autoimmune thyroiditis in the Buffalo strain rat. *Clin. Exp. Immunol.* 69 , 25-32.
  18. A.P. Weetman, S.Cohen . (1986). The IgG subclass distribution of thyroid autoantibodies. *Immunol. Lett.* 13 , 335-341.

### Placental Blood and Pregnancy

1. Katarzyna Bogunia-Kubik, Prasad Natarajan , J Alejandro Madrigal, Shara B A Cohen (2002). The effect of cord blood sera on CD69 expression. *Immunol Lett* 84(1), 77-80
2. S B Cohen , J Woolley , K Bogunia-Kubik , P Natarajan , R Kotecha , L Belaramani , P R Fallen , I Perez-Cruz , J A Madrigal (2000). Macrophage Colony Stimulating Factor (M-CSF) within cord blood sera may be partially responsible for the reduced proliferation of cord blood T cells *Eur Cyt Net* 11(4):608-617
3. I Perez-Cruz , P Fallen , J A Madrigal , S B Cohen (2000). Naive T cells from cord blood have the capacity to make type 1 and Type 2 cytokines *Immunology Letters* 75 (1), 85-88
4. S.B.A. Cohen , C.L. Morgan, F. Perandin, I. Perez-Cruz, B.Martinez & J.A. Madrigal (2000). Cord blood serum does not increase lymphocyte responses in comparison to adult serum. *Human Immunology* 61 111-114
5. E. Dominguez, J.A.Madrigal, S.B.A.Cohen (1998). Foetal Natural Killer cell function is suppressed. *Immunology* 94 , 109-114
6. I. Perez-Cruz, E. Dominguez, J.A.Madrigal, S.B.A. Cohen (1998). Foetal lymphocytes are more sensitive to freezing than adult lymphocytes within a mononuclear cell environment [Meeting report]. *Bone Marrow Transpl.* 22 , S1, 41-43
7. S.B.A. Cohen & J.A. Madrigal (1998). Immunological and functional differences between cord and peripheral blood. [Meeting report]. *Bone Marrow Transpl.* 21 , S3, 9-12
8. E. Dominguez de Ortega, M.W. Lowdell, I. Perez, J. A. Madrigal, S.B.A. Cohen . (1997). Natural killer cell function is altered by freezing in DMSO. [Meeting report]. *Biochem. Trans.*, 25, 175
9. B. Wardley-Smith, C. Dore, S. Monk, S. Cohen , S. Eustene, D. Hawley, M.J. Halsey. (1987). Effect of exposing mice to 50 ATA helium pressure at different stages of pregnancy. *J. Appl. Physiol.* 62, 978-982
10. L. Frazer, S. Monk, B. Wardley-Smith, S. Cohen , M.J. Halsey. (1986). A comparison of fertility in vitro and in vivo after exposure to 50 ATA pressure. *Gam. Res.* 13 , 143-149.

### Pure Immunology

1. C. L. Morgan, C. P. Price, S.B.A. Cohen , J.A. Madrigal, and D.J. Newman (1999). Soluble CD8 stabilises the HLA class I molecule by promoting ? 2 m exchange: analysis in real-time. *Human Immunology* 60, 442-229
2. C.L. Morgan, D.J. Newman, S.B.A. Cohen , P. Lowe, C. P. Price (1998). Real-time analysis of cell surface HLA class I interactions. *Biosensors and Bioelectronics* 13, 1099-1105

3. C.L. Morgan, A. K. Ruprai, A. Solache, M. Lowdell, C. P. Price, S.B.A. Cohen, P. Parham, J. A. Madrigal, D. J. Newman (1998). The influence of exogenous peptide on b 2 -microglobulin exchange in the HLA complex: analysis in real time. *Immunogenetics* 48: 98-107
4. S.B.A. Cohen , S.L.Parry, M. Feldmann, B. Foxwell (1997). Autocrine and paracrine regulation of human IL-10 production. *J. Immunol.* 158 , 5596-5602
5. S.B.A. Cohen, J.B. Crawley, M.C. Kahan, M. Feldmann, B. Foxwell (1997). IL-10 rescues T cells from apoptotic cell death: association with an upregulation of Bcl-2. *Immunol.*92, 1-5
6. S.B.A. Cohen , L.M.C. Webb, M. Feldmann. (1996). The method of obtaining T cell clones alters the IL-10 production. *Immunol.* 87 , 343-347.
7. S.B.A. Cohen (1995). IL-10 and IL-3 synergies to cause proliferation of human T cells. *Immunol.* 85 , 351-356
8. P.D. Katsikis, S.B.A. Cohen , J.G. Murison, J.M. Uren, L.M. Hibbart, R.E. Callard, F. Di Padova, M. Feldmann, M. Londei. (1995). Human  $\alpha/\beta$  T cell receptor CD4 - CD8 - T cell clones are predominantly Th0-like. *Immunol.* 84 , 501-504.
9. P.D. Katsikis, S.B.A. Cohen , M. Londei, M. Feldmann. (1995). Are CD4 + Th1 cells pro-inflammatory or anti-inflammatory? The ratio IL-10 to IFN $\gamma$  or IL-2 determines their function. *Int. Immunol.* 7 , 1287-1294.
10. S.B.A. Cohen , P.D. Katsikis, M. Feldmann, M. Londei. (1994). IL-10 enhances expression of the IL-2 receptor  $\alpha$  chain on T cells. *Immunol.* 83, 329-332. .
11. S. Salvadori, A. Pizzimenti, S. Cohen , K.S. Zier. (1991). The control of class II expression on T cells is independent of the regulation of Tac and the induction of proliferation. *Clin. Exp. Immunol.* 86, 544-549

### Renal Dialysis

1. A. Zamauskaite, I. Perez-Cruz, M. Jaqoob, J.A. Madrigal, S.B.A. Cohen (1999) Effect of renal dialysis therapy modality on T cell cytokine production. *Nephrology, Dialysis, Transplantation* 14, 49-55
2. A.Zamauskaite, J.A. Madrigal, M. M. Yaqoob, S.B.A. Cohen. (1999). The frequency of Th2 type cells increases with time on peritoneal dialysis in patients with diabetic nephropathy. *Eur. Cyt. Net* 10, 219-226

### Vaccines

1. A.B. McDermott, J.A. Madrigal, C.A. Sabin, J. N. Zuckerman, S.B.A. Cohen . (1999). The influence of host factors and immunogenetics on lymphocyte responses to Hepagene vaccination . *Vaccine* 17 , 1329-1337

2. A.M.McDermott, S.B.A.Cohen , J.N Zuckerman, J.A.Madrigal (1999) . Human leukocyte antigens influence the immune response to a Pre-S/S hepatitis B vaccine. *Vaccine* 17, 330-339.

## **Letters**

1. K. Bogunia-Kubik, I. Perez-Cruz, P. R. Fallen, J.A Madrigal, S B.A. Cohen (2000). Cord blood (CB) lymphocytes have a low frequency of cytokine producing T cells due to a high threshold For Activation *Immunology Letters* 72 , 145-146
2. S.B.A. Cohen (2000). How should we present our cytokine profile data? *Immunology Today* 21 , 199.

## **Examples of Published Abstracts**

1. I. Perez-Cruz, P. Fallen, K. Bogunia-Kubik, P.R. Fallen, J. A. Madrigal, S.B.A. Cohen (1999) Cord Blood (CB) lymphocytes have a low frequency of cytokine producing cells due to a high threshold for activation. *Jour. Interf. Cytok. Research* , 19 (1) S:156.
2. P.R. Fallen, K. Bogunia-Kubik, I. Perez-Cruz, M. Tesfamicael, J.A. Madrigal, S.B.A. Cohen (1999). The phenotypic and functional characteristics of cord blood (CB) natural killer cells are not comparable. *Eur. J. Immunogenetics* . 26, (1) p53 A4.2
3. I Perez-Cruz, P.R. Fallen, J.A. Madrigal, S.B.A. Cohen (1999). CD45RA+CD3+ naive lymphocytes from cord blood can achieve high IL-2 and IL-4 production compared to their adult counterparts *Eur. J. Immunogenetics* . 26, (1) p53 A4.3
4. K. Bogunia-Kubik, I. Perez-Cruz, P. Fallen, M. Tesfamicael, J.A. Madrigal, S.B.A. Cohen (1999). Does the cellular microenvironment explain the reduced cytokine production of cord blood lymphocytes? *Eur. J. Immunogenetics* . 26, (1) p54 A4.4
5. Perez-Cruz, J.A. Madrigal, S.B.A. Cohen. Characterisation of the t cell cytokine phenotype of reactive cells in the mixed lymphocyte reaction (1998). *Eur. J. Immunogen.* 25 (1)
6. S.B.A. Cohen . E. Dominguez, B. Martinez , I. Perez-Cruz, M. Contreras, C. Navarette, J. A. Madrigal (1997). Foetal serum lacks a factor necessary for T and natural killer cell activation. *Human Immunol.* 55, 79
7. E. Dominguez de Ortega, M.W. Lowdell , I. Perez , J. A. Madrigal, S.B.A. Cohen. (1997). Freezing natural killer cells alters their function. *European Journal of Immunogenetics* . 24 (1):42
8. A. Zamauskaite, M. Yaqoob, L.R.I Baker, A. Madrigal, S.B.A. Cohen (1997). Identification of a Th2 cytokine profile in insulin dependant diabetes mellitus (IDDM) dialysis patients. *Nephrology*, 3, P698
9. A.Mcdermott, J. Zuckerman, S. Marsh, S.B.A. Cohen, J.. A. Madrigal. (1997). Role of DQB1\*0202 in antibody non-response to Hep-B3 vaccination, *Human Immunology* 55, 24

10. A.Mcdermott, J. Zuckerman, S. Marsh, S.B.A. Cohen, J. A. Madrigal. Role of DQB1\*0202 in antibody non-response to Hep-B3 vaccination (1997) *Human Immunol.* 55, 24
11. E. Dominguez de Ortega, M.W. Lowdell, I. Perez, J. A. Madrigal, S.B.A. Cohen. (1997). Natural killer cell function is altered by freezing in DMSO. *Biochem. Trans.* , 25, P175
12. E. Price, S.B.A. Cohen, S.M. Brookes, L.M.C. Webb and P.J.W. Venables (1996). T cell clones from a subset of patients with primary Sjorgren's syndrome produce high levels of IL-10. *Brit. J. Rheum.* 35, Supplement. 1, P16
13. E. Dominguez de Ortega, M.W. Lowdell, I. Perez, J. A. Madrigal, S.B.A. Cohen. (1996). Natural killer cell function is altered by freezing in DMSO. *Immunol.* , 89, Supplement 1, P34, Abstract E52
14. S.B.A.Cohen , S.L. Parry, I. Perez, A. Madrigal, B. Foxwell , M. Feldmann (1996). The secretion of IL-10 by human Th1 type cells can determine the function of the cell. *Blood* , 88, 312.
15. S.B. Cohen, M. Feldmann and B. Foxwell (1995). IL-10 production by human T cells is driven by IL-2. *Cytokine*, 7, 623, A172.
16. S Brookes, S.B.A. Cohen, L. Price, L.M.C. Webb, P. Venables, M. Feldmann, R.N. Maini (1995). T cells from Sjorgren's syndrome tissue produce more IL-10 compared to the peripheral blood. *Vth International Symposium on Sjogren's Syndrome.* Noordwikerhout, The Netherlands [June].
17. R. Mullins, S.B.A. Cohen, L.M. C. Webb, Y. Chernajovsky, C. Dayan, M. Londei and M. Feldmann. (1994). Autoresponsive T cells from Graves' Disease (GD) thyroids: heterogeneity of cytokine release by T cell clones specific for TPO and TSH receptor. *Australian Society of Immunology, Australia* . [December]
18. S. Brookes, S.B.A. Cohen, E.J. Price, L.M. C. Webb, M. Feldmann and R.N. Maini (1994) T cells cloned from a Sjorgren's syndrome salivary gland: high IL-10 production by CD4 T cells. *Immunology*, 83, Supplement 1, Abstract W1. 13. P29.
19. A.P. Cope, M. Londei, N. R. Chu, S.B.A. Cohen, R. N. Maini, F.M. Brennan and M. Feldmann (1994). Chronic exposure to TNF suppresses T lymphocyte functions in vitro and in vivo. *Euro. Cytokine Netw.* 5.
20. A.P.Cope, M. Londei, N.R. Chu, S.B.A. Cohen, M. J. Elliott, F.M. Brennan, R.N. Maini and M. Feldmann (1994). Chronic exposure to TNF in vitro impairs the activation of T cells through the T cell receptor/CD3 complex; reversal in vivo by anti-TNF antibodies in patients with rheumatoid arthritis. *FASEB Meeting, Los Angeles, U.S.A.* [April ]
21. S.B.A. Cohen, P. D. Katsikis, C.Q. Chu, H. Thomssen, R.N. Maini, M. Feldmann, M. Londei (1994). T cell clones obtained from the joints of rheumatoid arthritis patients are predominantly high IL-10 producers. *Clinical Rheumatology* . 13, 1.
22. S.B.A. Cohen, K.S. Zier. (1991). Expression of HLA-DNA and HLA-DOB on human T cells. *The Mount Sinai Journal of Medicine, New York, USA* . 58, 22.

23. A.P. Weetman, T. Diamanstein, S.B.A. Cohen. (1988). The evolution of experimental autoimmune thyroiditis (EAT) in thymectomised Buffalo (Buf) strain rats. *J. Endocrinol.* 117, (Supplement). Abstract 268.
24. S.B.A. Cohen, M.J. Halsey, B. Wardley-Smith. (1984). Pressure reversal of Benzodiazepine "anesthesia". *Brit. J. Anaes.* 56, 806-807.