

## REFERENCES

- 1) E.Klein, and F.Vanky (1981) "Natural and Activated Cytotoxic Lymphocytes Which Act on Autologous and Allogeneic Tumor Cells" *Cancer Immunology Immunotherapy*, 11,183-188
- 2) P. Marrack, A. Hermann, JW. Kappler and AM. Pullen (1991) "Superantigens: Mechanisms of T Cell Stimulation and Role in Immune Responses" *Annual Review of Immunology*, 9,745-772
- 3) F. Ronchese and B. Hausmann (1993) "B Lymphocytes In Vivo Fail to Prime Naive T Cells but Can Stimulate Antigen-Experienced T Lymphocytes" *Journal of Experimental Medicine*, 177,679-690
- 4) J. Ron, P. DeBaetselier, J. Gordon, M. Feldman and S. Segal (1981) "Defective Induction of Antigen-Reactive Proliferating T Cells in B Cell-Deprived Mice" *European Journal of Immunology*, 11,964-968
- 5) CL. Reinisch and GW. Litman (1989) "Evolutionary Immunobiology" *Immunology Today*, 10,278-281
- 6) MC. Glassy and RO. Dillman "Molecular Biotherapy with Human Monoclonal Antibodies" *Molecular Biotherapy*, 1,7-12
- 7) P. Casali and AL. Norkins (1989)"Probing the Human B-Cell Repertoire with EBV" *Annual Review of Immunology*, 7,513-536

- 8) NNH. Teng, HS. Kaplan, JM. Herbert, C. Moore, H. Douglas, A. Wunderlich and AI. Braude (1985) "Protection Against Gram-Negative Bacteremia and Endotoxin with Human Monoclonal IgM Antibodies" Proceedings of the National Academy of Sciences of the United States of America, 82,1790-1794
- 9) KE. Hellstrom and I. Hellstrom (1969) "Cellular Immunity Against Tumor Antigens" *Advances in Cancer Research*, 12,167-223
- 10) RV. Blanden (1974) "T Cell Response to Viral and Bacterial Infection" *Transplantation Review*, 19,56-88
- 11) TJ. Braciale and KL. Yap (1978) "Role of Viral Infectivity in The Induction of Influenza Virus-Specific Cytotoxic T Cells" *Journal of Experimental Medicine*, 147,1236-1252
- 12) PD. Greenberg (1991) "Adoptive T Cell Therapy of Tumors: Mechanisms Operative in The Recognition and Elimination of Tumor Cells" *Advances Immunology*, 49,281-355
- 13) RM. Zinkernagel and PC. Doherty (1979) "MHC-Restricted Cytotoxic T Cells: Studies on The Biological Role of Polymorphic Major Transplantation Antigens Determining T-Cell Restriction Specificity, Function and Responsiveness" *Advances Immunology*, 24,51-177
- 14) BT. Rouse and DW. Horohov (1984) "Cytotoxic T Lymphocytes in Herpesvirus Infections" *Veterinary Immunology and*

Immunopathology, 6,35-66

15) T. Hercend and RE. Schmidt (1988) "Characteristics and Uses of Natural Killer Cells" Immunology Today, 9,291-293

16) EA. Grimm, RJ. Robb, JA. Roth, LM. Neckers, LB. Lachman, DJ. Wilson and SA. Rosenberg (1983) "Lymphokine-Activated Killer Cell Phenomenon. III. Evidence That IL-2 is Sufficient for Direct Activation of Peripheral Blood Lymphocytes into Lymphokine-activated killer cells" Journal of Experimental Medicine, 158,1356-1361

17) BM. Vose and M. Moore (1985) "Human Tumor-Infiltrating Lymphocytes: A Marker of Host Response" Seminars in Hematology, 22,27-40

18) CJ. Melief (1992) "Tumor Eradication by Adoptive Transfer of Cytotoxic T Lymphocytes" Advances in Cancer Research, 58,143-175

19) RN. Germain and DH. Margulies (1993) "The Biochemistry and Cell Biology of Antigen Processing and Presentation" Annual Review of Immunology, 11,403-450

20) HG. Rammensee, K. Falk and O. Rotzschke (1993) "Peptides Naturally Presented by MHC Class I Molecules" Annual Review of Immunology, 11,213-244

21) EA. Butz and MJ. Bevan (1998) "Massive Expansion of Antigen-Specific CD8+ T Cells During an Acute Virus Infection"

Immunity, 8,167-175

22) RB. Ashman and A. Mullbacher (1979) "A T Helper Cell for Anti-viral Cytotoxic T-Cell Responses" *Journal of Experimental Medicine*, 150,277-1282

23) H. von Boehmer and W. Haas (1979) "Distinct Ir Genes for Helper and Killer Cells in The Cytotoxic Response to H-Y Antigen" *Journal of Experimental Medicine*, 150,1134-1142

24) JA. Keene and J. Forman (1982) "Helper Activity is Required for The In Vivo Generation of Cytotoxic T Lymphocytes" *Journal of Experimental Medicine*, 155,768-782

25) H. Wagner, C. Hardt, K. Heeg, K. Pfizenmaier, W. Solbach, R. Bartlett, H. Stockinger and M. Rollinghoff (1980) "T-T Cell Interactions During Cytotoxic T Lymphocyte (CTL) Responses: T Cell Derived Helper Factor (Interleukin 2) as Aprobe to Analyze CTL Responsiveness and Thymic Maturation of CTL Progenitors" *Immunological Reviews*, 51,215-255

26) TR. Mosmann and RL. Coffman (1989) "Th1 and TH2 Cells: Different Patterns of Lymphokine Secretion Lead to Different Functional Properties" *Annual Review of Immunology*, 7,145-173

27) Y. Wu and Y. Liu (1994) "Viral Induction of Co-Stimulatory Activity on Antigen-Presenting Cells Bypasses the Need for CD4+ T-cell Help in CD8+ T-Cell Responses" *Current Biology*, 4,499-505

- 28) KL. Rock and K. Clark (1996) "Analysis of The Role of MHC Class II Presentation in The Stimulation of Cytotoxic T Lymphocytes by Antigens Targeted into The Exogenous Antigen-MHC Class I Presentation Pathway" *Journal of Immunology*, 156,3721-3726
- 29) S. Romagnani (1996) "Th1 and Th2 in Human Diseases" *Clinical Immunology and Immunopathology*, 80,225-235
- 30) AK. Abbas, KM. Murphy and A. Sher (1996) "Functional Diversity of Helper T Lymphocytes" *Nature*, 383,787-793
- 31) NE. Street and TR. Mosmann (1991) "Functional Diversity of T Lymphocytes Due to Secretion of Different Cytokine Patterns" *FASEB Journal*, 5,171-177
- 32) PD. Murray, DT. McKenzie, SL. Swain and MF. Kagnoff (1987) "Interleukin 5 and Interleukin 4 Produced by Peyer's Patch T Cells Selectively Enhance Immunoglobulin A Expression" *Journal of Immunology*, 139,2669-2674
- 33) RL. Coffman, B. Shrader, J. Carty, TR. Mosmann and MW. Bond (1987) "A Mouse T Cell Product That Preferentially Enhances IgA Production. I. Biologic Characterization" *Journal of Immunology*, 139,3685-3690
- 34) MW. Bond, B. Shrader, J. Carty, TR. Mosmann and RL. Coffman (1987) "A Mouse T Cell Product That Preferentially Enhances IgA Production. II. Physicochemical Characterization" *Journal of*

Immunology, 139,3691-3696

35) GR. Harriman, DY. Kunitomo, JF. Elliott, V. Paetkau and W. Strober (1988) "The Role IL-5 in IgA B Cell Differentiation" Journal of Immunology, 140,3033-3039

36) DA. Leberman and RL. Coffman (1988) "The Effects of IL-4 and IL-5 on The IgA Responses by Murine Peyer's Patch B Cells Subpopulations" Journal of Immunology, 141,2050-2056

37) KW. Beagley, JH. Eldridge, H. Kiyono, MP. Everson, WJ. Koopman, T. Honjo and JR. McGhee (1988) "Recombinant Murine IL-5 Induces High Rate IgA Synthesis in Cycling IgA-Positive Peyer's Patch B Cells" Journal of Immunology, 141,2035-2202

38) K. Fujihashi, JR. McGhee, C. Lue, KW. Beagley, T. Taga, T. Hirano, T. Kishimoto, J. Mestecky and H. Kiyono (1991) "Human Appendix B Cells Naturally Express Receptors for and Respond to Interleukin 6 with Selective IgA1 and IgA2 Synthesis" Journal of Clinical Investigation, 88,248-252

39) RA. Seder and WE. Paul (1994) "Acquisition of Lymphokine-Production Phenotypes by CD4<sup>+</sup> T Cell" Annual Review of Immunology, 12,635-673

40) C. Ohlen, G. Kling, P. Hoglund, M. Hansson, G. Scangos, C. Bieberich, G. Jay and K. Karre (1989) "Prevention of Allogeneic Bone Marrow Graft Rejection by H-2 Transgene in Donor Mice" Science,

246,666-668

41) RB. Herberman, ME. Nunn and DH. Lavrin (1975) "Natural Cytotoxic Reactivity of Mouse Lymphoid Cells Against Syngeneic and Allogeneic Tumors. I. Distribution of Reactivity and Specificity" *International Journal of Cancer*, 16,216-229

42) G. Trinchieri (1989) "Biology of Natural Killer Cells" *Advances Immunology*, 47,187-376

43) DH. Raulet (1996) "Recognition Events That Inhibit and Activate Natural Killer Cells" *Current Opinion in Immunology*, 8,372-377

44) DS. Kaufman, RA. Schoon, MJ. Robertson and PJ. Leibson (1995) "Inhibition of Selective Signalling Events in Natural Killer Cells Recognizing Major Histocompatibility Complex Class I" *Proceedings of the National Academy of Sciences of the United States of America*, 92,6484-6488

45) T. VandenDriessche, AB. Geldhof, M. Bakkus, D. Toussaint-Demyelle, L. Brijs, K. Thielemans, H. Verschueren and P. De Baetselier (1994) "Metastasis of Mouse T Lymphoma Cells is Controlled by The Level of Major Histocompatibility Complex Class I H-2D<sup>k</sup> Antigen" *International Journal of Cancer*, 58,217-225

46) WJ. Storkus, DN. Howell, RD. Salter, JR. Dawson and P. Cresswell (1987) "NK Susceptibility Varies Inversely with Target Cell Class I HLA Antigen Expression" *Journal of Immunology*,

138,1657-1659

47) FM. Karlhofer, RK. Ribaldo and WM. Yokoyama (1992) "MHC Class I Alloantigen Specificity of Ly49+ IL-2 Activated Natural Cells" *Nature*, 358,66-70

48) BF. Daniels, FM. Karlhofer, WE. Seaman and WM. Yokoyama (1994) "A Natural Killer Cell Receptor Specific for A Major Histocompatibility Complex Class I Molecule. *Journal of Experimental Medicine*, 180,687-692

49) M. Colonna and J. Samaridis (1995) "Cloning of Immunoglobulin-Superfamily Members Associated with HLA-C and HLA-B Recognition by Human Natural Killer Cells" *Science*, 268,405-408

50) A. D'Andrea, C. Chang, K. Bacon, T. McClanahan, J. Philips and LL. Lanier (1995) "Molecular Cloning of NKB1: A Natural Killer Cell Receptor for HLA-B Allotype" *Journal of Immunology*, 155,2306-2310

51) L. Correa, L. Corral and DH. Raulet (1994) "Multiple Natural Killer Cell-Activating Signal are Inhibited by Major Histocompatibility Complex Class I Expression in Target Cells" *European Journal of Immunology*, 24,1323-1331

52) K. Kawai, T. Sasaki, KS. Kurita, H. Akaza, K. Koiso and T. Ohno (1992) "Additive Effects of Antitumor Drugs and Lymphokine-Activated Killer Cell Cytotoxic Activity in Tumor Cell



Killing Determined by Lactate-Dehydrogenase-Release Assay" *Cancer Immunology Immunotherapy*, 35,225-229

53) SA. Rosenberg, MT. Lotze, LM. Muul, S. Leitman, AE. Chang, SE. Ettinghausen, YL. Matory, JM. Skibber, E. Shiloni, JT. Vetto, CA. Seipp, C. Simpson and CM. Reichert (1985) "Observations on The Systemic Administration of Autologous Lymphokine-Activated Killer Cells and Recombinant Interleukin-2 to Patients with Metastatic Cancer" *New England Journal of Medicine*, 313,1485-1492

54) DW. Hoskin, J. Stankova, SK. Anderson and JC. Roder (1989) "A Functional and Phenotypic Comparison of Murine Natural Killer (NK) Cells and Lymphokine-Activated Killer (LAK) Cells" *International Journal of Cancer*, 43,940-948

55) EA. Grimm, A. Mazumder, A. Chang and SA. Rosenberg (1982) "Lymphokine-Activated Killer Cell Phenomenon. Lysis of Natural Killer-Resistant Fresh Solid Tumor Cells by Interleukin-2-Activated Autologous Human Peripheral Blood Lymphocytes" *Journal of Experimental Medicine*, 155,1823-1841

56) SA. Rosenberg, MT. Lotze, LM. Muul, AE. Chang, FP. Avis, S. Leitman, WM. Linehan, CN. Robertson, RE. Lee, JT. Rubin, CA. Seipp, CG. Simpson and DE. White (1987) "A Progress Report on The Treatment of 157 Patients with Advanced Cancer Using Lymphokine-Activated Killer Cells and Interleukin-2 or High-Dose

- Interleukin-2 Alone" *New England Journal of Medicine*, 316,889-897
- 57) JY. Djeu and DK. Blanchard (1988) "Lysis of Human Monocytes by Lymphokine-Activated Killer Cells" *Cellular Immunology*, 3,55-65
- 58) JH. Finke, P. Rayman, J. Alexander, M. Edinger, RR. Tubbs, R. Connelly, E. Pontes and R. Bukowski (1990) "Characterization of The Cytolytic Activity of CD4+ and CD8+ Tumor-Infiltrating Lymphocytes in Human Renal Cell Carcinoma" *Cancer Research*, 50,2363-2370
- 59) AB. Beldegrun, LM. Muul and SA. Rosenberg (1988) "Interleukin 2 Expanded Tumor-Infiltrating Lymphocytes in Human Renal Cell Cancer" *Cancer Research*, 48,206-214
- 60) SA. Rosenberg, P. Spiess and R. Lafreniere (1986) "A New Approach to The Adoptive Immunotherapy of Cancer with Tumor-Infiltrating Lymphocytes" *Science*, 233,1318-1321
- 61) M. Azuma, M. Cayabyab, D. Buck, JH. Phillips and LL. Lanier (1992) "Involvement of CD28 in MHC-Unrestricted Cytotoxicity Mediated by A Human Natural Killer Leukemia Cell Line" *Journal of Immunology*, 149,1115-1123
- 62) CG. Ioannides and TL. Whiteside (1993) "T Cell Recognition of Human Tumors: Implication for Molecular Immunotherapy of Cancer" *Clinical Immunology and Immunopathology*, 66,91-106
- 63) H. Takahashi, H. Ishikura, K. Iwai, C. Takahashi, H. Kato, T. Tanabe and T. Yoshiki (1993) "Cytokine Regulation of Cell-to-Cell

Interaction in Lymphokine-Activated Killer Cell Cytotoxicity In Vitro"  
Cancer Immunology Immunotherapy, 36,76-82

64) FP. Holladay, T. Heitz and GW. Wood (1992) "Antitumor Activity  
Against Established Intracerebral Gliomas Exhibited by Cytotoxic T  
Lymphocytes, But Not by Lymphokine-Activated Killer Cells" Journal  
of Neurosurgery, 77,757-762

65) SQ. Liu, K. Saijo, K. Todoroki and T. Ohno (1995) "Induction of  
Human Autologous Cytotoxic T Lymphocytes on Formalin-Fixed and  
Paraffin-Embedded Tumors Section" Nature Medicine, 1,267-271

66) SQ. Liu, K. Kawai, H. Shiraiwa, H. Hayashi, H. Akaza, K.  
Hashizaki, R. Shiba, K. Saijo and T. Ohno (1998) "High Rate of  
Induction of Human Autologous Cytotoxic T Lymphocytes Against  
Renal Carcinoma Cells Cultured with An Interleukin Cocktail" Japanese  
Journal of Cancer Research, 89,1195-1201

67) T. Wolfel, W. Herr, P. Coulie, U. Schmitt, KHM. Buschenfelde and  
A. Knuth (1993) "Lysis of Human Pancreatic Adenocarcinoma Cells  
by Autologous HLA-class I-Restricted Cytolytic T-Lymphocyte (CTL)  
Clones" International Journal of Cancer, 54,636-644

68) PS. Goedegebuure, LM. Douville, H. Li, GC. Richmond, DD.  
Schoof, M. Scavone and TJ. Eberlein (1995) "Adoptive Immunotherapy  
with Tumor-Infiltrating Lymphocytes and Interleukin-2 in Patients  
with Metastatic Malignant Melanoma and Renal Cell Carcinoma: A

Pilot Study" *Journal of Clinical Oncology*, 13,1939-1949

69) PF. Robbin, M. EI-Gamil, Y. Kawakami and SA. Rosenberg (1994)

"Recognition of Tyrosinase by Tumor-Infiltrating Lymphocytes from A Patient Responding to Immunotherapy" *Cancer Research*, 54,3124-3126

70) EJ. Stevens, L. Jacknin, PF. Robbins, Y. Kawakami, ME. Gamil,

SA. Rosenberg and JR. Yannelli (1995) "Generation of Tumor-Specific

CTLs from Melanoma Patients by Using Peripheral Blood Stimulated

with Allogeneic Melanoma Tumor Cell Lines-Fine Specificity and

MART-1 Melanoma Antigen Recognition" *Journal of Immunology*,

154,762-771

71) NJ. Crowley, CL. Slingluff, TL. Darrow and HF. Seigler (1990)

"Generation of Human Autologous Tumor-Specific Cytotoxic T Cells

Using HLA-A2 Matched Allogeneic Melanomas" *Cancer Research*,

50,492-498

72) ABH. Bakker, G. Marland, AJ. De Boer, RJF. Huijbens, EH.

Danen, GJ. Adema and CG. Figdor (1995) "Generation of

Antimelanoma Cytotoxic T Lymphocytes from Healthy Donors After

Presentation of Melanoma-Associated Antigen-Derived Epitopes by

Dendritic Cells In Vitro" *Cancer Research*, 55,5330-5334

73) E. Celis, V. Tsai, C. Crimi, R. DeMars, PA. Wentworth, RW.

Chesnut, HM. Grey, A. Sette and HM. Serra (1994) "Induction of

Anti-Tumor Cytotoxic T Lymphocytes in Normal Humans Using Primary Cultures and Synthetic Peptide Epitope" Proceedings of the National Academy of Sciences of the United States of America, 91,2105-2109

74) B. Mukherji, NG. Chakarborty, S. Yamasaki, T. Okino, H. Yamase, JR. Sporn, SK. Kurtzman, MT. Ergin, J. Ozols, J. Meehan and F. Mauri (1995) "Induction of Antigen-Specific Cytolytic T Cells In Situ in Human Melanoma by Immunization with Synthetic Peptide-Pulsed Autologous Antigen Presenting Cells" Proceedings of the National Academy of Sciences of the United States of America, 92,8078-8082

75) ER. Unanue (1984) "Antigen-Presenting Function of The Macrophage" Annual Review of Immunology, 2,395-428

76) RM. Steimman (1991) "The Dendritic Cell System and Its Role in Immunogenicity" Annual Review of Immunology, 9,271-296

77) MLH. De Bruijn, TNM. Schumacher, JD. Neiland, HL. Ploegh, WM. Kast and CJM. Melief (1991) "Peptide Loading of Empty Major Histocompatibility Complex Molecules on RMA-S Cell Allows The Induction of Primary Cytotoxic T Lymphocyte Responses" European Journal of Immunology, 21,2963-2970

78) JGA. Houbiers, HW. Nijman, SH. van der Burg, JW. Drijfhout, P. Kenemans, CJM. van der Velde, A. Brand, F. Monburg, WM. Kast,

and CJM. Melief (1993) "In Vitro Induction of Human Cytotoxic T Lymphocyte Responses Against Peptides of Mutant and Wild-Type p53" *European Journal of Immunology*, 23,2072-2077

79) HJ. Stauss, H. Cavies, E. Sadovnikova, B. Chain, N. Horowitz, and C. Sinclair (1992) "Induction of Cytotoxic T Lymphocytes with Peptides In Vitro: Identification of Candidate T-Cell Epitopes in Human Papilloma Virus" *Proceedings of the National Academy of Sciences of the United States of America*, 89,7871-7875

80) MA. Alexander, CA. Damico, KM. Wieties, TH. Hansen and JM. Connolly (1991) "Correlation Between CD8 Dependency and Determinant Density Using Peptide-Induced L<sup>d</sup>-Restricted Cytotoxic T Lymphocytes" *Journal of Experimental Medicine*, 173,849-858

81) BP. Babbitt, PM. Allen, G. Matsueda, E. Habre and ER. Unanue (1985) "Binding of Immunogenic Peptides to Ia Histocompatibility Molecules" *Nature*, 317,359-361

82) RN. Germain (1986) "The Ins and Outs of Antigen Processing and Presentation" *Nature*, 322,687-689

83) JW. Yewdell and JR. Bennink (1990) "The Binary Logic of Antigen Processing and Presentation to T Cells" *Cell*, 62,203-206

84) MJ. Bevan (1995) "Antigen Presentation to Cytotoxic T Lymphocytes In Vivo" *Journal of Experimental Medicine*, 182,639-641

85) IA. York and KL. Rock (1996) "Antigen Processing and

Presentation by The Class I Major Histocompatibility Complex" Annual Review of Immunology, 14,369-396

86) KL. Rock (1996) "A New Foreign Policy: MHC Class I Molecules Police The Outside World" Immunology Today, 17,131-137

87) PJ. Bjorkman, MA. Saper, B. Samraoui, WS. Bennett, JL. Strominger and DC. Wiley (1987) "Structure of The Human Class I Histocompatibility Antigen, HLA-A2" Nature, 329,506-512

88) MA. Saper, PJ. Bjorkman and DC. Wiley (1991) "Refined Structure of The Human Histocompatibility Antigen HLA-A2 at 2.6 Å Resolution" Journal of Molecular Biology, 219,277-319

89) DH. Fremont, M. Matsumura, EA. Stura, PA. Peterson and IA. Wilson (1992) "Crystal Structure of Two Viral Peptides in Complex with Murine Class I H-2K<sup>b</sup>" Science, 257,919-927

90) PJ. Bjorkman, MA. Saper, B. Samraoui, NS. Bennett, JL. Strminger and DC. Wiley (1987) "The Foreign Antigen Binding Site and T Cell Recognition Regions of Class I Histocompatibility Antigens" Nature, 329,512-518

91) W. Zhang, AC. Young, M. Imarai, SG. Nathenson and JC. Sacchettini (1992) "Crystal Structure of The Major Histocompatibility Complex Class I H-2K<sup>b</sup> Molecule Containing A Single Viral Peptide: Implication for Peptide Binding and T Cell Receptor Recognition" Proceedings of the National Academy of Sciences of the United States

of America, 89,8403-8407

92) K. Falk, O. Rotzschke, S. Stevanovic, G. Jung and HG. Rammensee (1991) "Alle-Specific Motifs Revealed by Sequencing of Self-Peptides Eluted from MHC Molecules" *Nature*, 351,290-296

93) RA. Henderson, H. Michel, K. Sakaguchi, J. Shabanowitz, E. Appella, DF. Hunt and VH. Engelhard (1992) "HLA-A2.1-Associated Peptides from A Mutant Cell Line: A Second Pathway of Antigen Presentation" *Science*, 255,1264-1266

94) GM. Van Bleek and SG. Nathenson (1990) "Isolation of An Endogenously Processed Immunodominant Viral Peptide from The Class I H-2K<sup>b</sup> Molecule" *Nature*, 348,213-216

95) TJ. Braciale, LA. Morrison, MT. Sweetser, J. Sambrook, MJ. Gething and VL. Braciale (1987) "Antigen Presentation Pathway to Class I and Class II MHC-Restricted T Lymphocytes" *Immunological Reviews*, 98,95-114

96) M. Kovacovics-Bankowski and KL. Rock (1995) "A Phagosome to Cytosol Pathway for Exogenous Antigens Presented on MHC Class I Molecules" *Science*, 267,243-246

97) CC. Norbury, LJ. Hewlett, AR. Prescott, N. Shastri and C. Watts (1995) "Class I MHC Presentation of Exogenous Soluble Antigen Via Macropinocytosis in Bone Marrow Macrophages" *Immunity*, 3,783-791

98) JR LD. Falo, M. Kovacovics-Bankowski, K. Thompson and KL.



- Rock (1995) "Targeting Antigen into The Phagocytic Pathway In Vivo Induces Protective Tumor Immunity" *Nature Medicine*, 1,649-653
- 99) MLH. De Bruijn, PA. Peterson and MR. Jackson (1996) "Induction of Heat-Stable Antigen Expression by Phagocytosis is Involved in In Vitro Activation of Unprimed CTL by Macrophages" *Journal of Immunology*, 156,2686-2692
- 100) S. Nair, F. Zhou, R. Reddy, L. Huang and BT. Rouse (1992) "Soluble Protein Delivered to Dendritic Cells Via pH-Sensitive Liposomes Induce Primary Cytotoxic T Lymphocytes Responses In Vitro" *Journal of Experimental Medicine*, 175,609-612
- 101) LH. Marloes, MR. De Bruijn, Jackson and PA. Peterson (1995) "Phagocyte-Induced Antigen-Specific Activation of Unprimed CD8<sup>+</sup> T Cells In Vitro" *European Journal of Immunology*, 25,1274-1285
- 102) RM. Steinman and J. Swanson (1995) "The Endocytic Activity of Dendritic Cells" *Journal of Experimental Medicine*, 182,283-288
- 103) A. Lanzavecchia (1996) "Mechanisms of Antigen Uptake for Presentation" *Current Opinion in Immunology*, 8,348-354
- 104) JW. Young and RM. Steinman (1990) "Dendritic Cells Stimulate Primary Human Cytolytic Lymphocyte Responses in The Absence of CD4<sup>+</sup> Helper T Cells" *Journal of Experimental Medicine*, 171,1315-1332

- 105) JE. Debrick, PA. Campbell and UD. Staerz (1991) "Macrophages As Accessory Cells for Class I MHC-Restricted Immune Responses" *Journal of Immunology*, 147,2846-2851
- 106) KL. Rock, L. Rothstein, S. Gamble and C. Fleischacker (1993) "Characterization of Antigen-Presenting Cells That Present Exogenous Antigens in Association with Class I MHC Molecules" *Journal of Immunology*, 150,438-446
- 107) A. Elbe, S. Schleisitz, D. Strunk and G. Stingl (1994) "Fetal Skin-Derived MHC Class I+, MHC Class II-Dendritic Cells Stimulate MHC Class I-Restricted Responses of Unprimed CD8<sup>+</sup>T Cells" *Journal of Immunology*, 153,2878-2889
- 108) CV. Harding and R. Song (1994) "Phagocytic Processing of Exogenous Particulate Antigens by Macrophages for Presentation by Class I MHC Molecules" *Journal of Immunology*, 153,4925-4933
- 109) LA. Allen and A. Aderem (1996) "Mechanisms of Phagocytosis" *Current Opinion in Immunology*, 8,36-40
- 110) S. Nair, AM. Buiting, RJ. Rouse, N. Van Rooijen, L. Huang and BT. Rouse (1995) "Role of Macrophages and Dendritic Cells in Primary Cytotoxic T Lymphocytes Responses" *International Immunology*, 7,679-688
- 111) JL. Gong, KM. McCarthy, RA. Rogers and EE. Schneeberger (1994) "Interstitial Lung Macrophages Interact with Dendritic Cells to

Present Antigenic Peptides Derived from Particulate Antigens to T Cells" Immunology, 81,343-351

112) C. Reis e Sousa C and RN Germain (1995) "Major Histocompatibility Complex Class I Presentation of Peptides Derived from Soluble Exogenous Antigen by A Subset of Cells Engaged in Phagocytosis" Journal of Experimental Medicine, 182,841-851

113) M. Kovacsovics-Bankowski and KL. Rock (1994) "Presentation of Exogenous Antigens by Macrophages: Analysis of Major Histocompatibility Complex Class I and Class II Presentation and Regulation by Cytokines" European Journal of Immunology, 24,2421-2428

114) M. Kovacsovics-Bankowski, K. Clark, B. Benacerraf and KL. Rock (1993) "Efficient Major Histocompatibility Complex Class I Presentation Exogenous Antigen upon Phagocytosis by Macrophages" Proceedings of the National Academy of Sciences of the United States of America, 90,4942-4946

115) LK. Rock, S. Gamble and L. Rothstein (1990) "Presentation of Exogenous Antigen with Class I Major Histocompatibility Complex Molecules" Science, 249,918-921

116) K. Heeg, W. Kuon and H. Wagner (1991) "Vaccination of Class I Major Histocompatibility Complex (MHC)-Restricted Murine CD8+ Cytotoxic T Lymphocytes Towards Soluble Antigens:

Immunostimulating-Ovalbumin Complexs Enter The Class I MHC-Restricted Antigen Pathway and Allow Sensitization Against The Immunodominant Peptide" *European Journal of Immunology*, 21,1529-1527

117) W. Chen, FR. Carbone and J. McCluskey (1993) "Electroporation and Commercial Liposomes Efficiently Deliver Soluble Protein into The MHC Class I Presentation Pathway" *Journal of Immunological Methods*, 160,49-57

118) F. Zhou, BT. Rouse and L. Huang (1991) "An Improved Method of Loading pH-Sensitive Liposomes with Soluble Proteins for Class I Restricted Antigen Presentation" *Journal of Immunological Methods*, 145,143-152

119) MLH. De Bruijn, MR. Jackson and PA. Peterson (1995) "Phagocyte-Induced Antigen-Specific Activation of Unprimed CD8+ T Cells In Vitro" *European Journal of Immunology*, 25,1274-1285

120) R. Muraro, D. Wunderlich, A. Thor, J. Lund, P. Noguchi, R. Cunningham and J. Schlom (1985) "Definition by Monoclonal Antibodies of A Repertoire of Epitopes of Carcinoembryonic Antigen Differentially Expressed in Human Colon Carcinomas Versus Normal Adult Tissues" *Cancer Research*, 45,5769-5780

121) JA. Thompson, F. Grunert and W. Zimmermann (1991) "Carcinoembryonic Antigen Gene Family: Molecular Biology and

Clinical Perspectives" Journal of Clinical Laboratory Analysis,  
5,344-366

122) J. Kantor, K. Irvine, S. Abrams, H. Kaufman, J. Dipierto and J. Schlom (1992) "Antitumor Activity and Immune Responses Induced by A Recombinant Carcinoembryonic Antigen-Vaccinia Virus Vaccine" Journal of The National Cancer Institute, 84,1084-1091

123) KY. Tsang, S. Zaremba, CA. Nieroda, MZ. Zhu, JM. Hamilton and J. Schlom (1995) "Generation of Human Cytotoxic T Cells Specific for Human Carcinoembryonic Antigen Epitopes from Patients Immunized with Recombinant Vaccinia-CEA Vaccine" Journal of The National Cancer Institute, 87,982-990

124) M. Hareyama, K. Imai, K. Kubo, H. Takahashi, H. Koshiba, Y. Hinoda, M. Shidou, A. Oouchi, A. Yachi and K. Morita (1991) "Effect of Radiation on The Expression of Carcinoembryonic Antigen of Human Gastric Adenocarcinoma Cells" Cancer, 67,2269-2274

125) R. Blasczyk, U. Hahn, J. Wehling, D. Huhn and A. Salama (1995) "Complete Subtyping of The HLA-A Locus by Sequence-Specific Amplification Followed by Direct Sequencing or Single-Strand Conformation Polymorphism Analysis" Tissue Antigens, 46,86-95

126) SQ. Liu, R. Shiba, BS. Kim, K. Saijo and T. Ohno (1994) "Long-Term Serum/Plasma Free Culture of Human Cytotoxic T Lymphocytes Induced from Peripheral Blood Mononuclear Cells"

Cancer Immunology Immunotherapy, 39,279-285

127) K. Horiuchi, H. Tsurushima, BS. Kim, SQ. Liu, K. Saijo, Y. Saijo, T. Nukiwa, N. Nomura, M. Matsumura and T. Ohno (1998)  
"Expression of Human Autologous Cytotoxic T Lymphocytes on Fixed Target Tumor Cells" Cytotechnology, 26,119-124

128) X. Kang, Y. Kawakami, M. Ei-Gamil, R. Wang, K. Sakaguchi, JR. Yannelli, E. Appella, SA. Rosenberg and RF. Robbins (1995)  
"Identification of A Tyrosinase Epitope Recognized by HLA-A24-Restricted, Tumor-Infiltrating Lymphocytes" Journal of Immunology, 155,1343-1348

129) B. Fisk, TL. Blevins, JT. Wharton and DD. Ioannides (1995)  
"Identification of An Immunodominant Peptide of HER-2/neu Protooncogene Recognized by Ovarian Tumor-Specific Cytotoxic T Lymphocyte Lines" Journal of Experimental Medicine, 181,2109-2117

130) Y. Kawakami, S. Eliyahu, K. Sakaguchi, PF. Robbins, L. Rivoltini, JR. Yannelli, E. Appella and SA. Rosenberg (1994)  
"Identification of The Immunodominant Peptide of The MART-1 Human Melanoma Antigen Recognized by The Majority of HLA-A2-Restricted Tumor Infiltrating Lymphocytes" Journal of Experimental Medicine, 180,347-352

131) F. Tanaka, T. Fujie, K. Tahara, M. Mori, K. Takesako, A. Sette, E. Celis and T. Akiyoshi (1997) "Induction of Antitumor Cytotoxic T

Lymphocytes with A MAGE-3-Encoded Synthetic Peptide Presented by Human Leukocyte Antigen-A24" *Cancer Research*, 57,4465-4468

132) T. Boon, JC. Cerottini, B. van den Eynde, P. Van der Bruggen, and A. Van Pel (1994) "Tumor Antigens Recognized by T Lymphocytes" *Annual Review of Immunology*, 12,337-365

133) AL. Cox, J. Skipper, Y. Chen, RA. Henderson, TL. Darrow, J. Shabanowitz, VH. Engelhard, DF. Hunt and CL. Slingluff (1994) "Identification of A Peptide Recognized by Five Melanoma-Specific Human Cytotoxic T Cell Lines" *Science*, 264,716-719

134) SA. Rosenberg (1997) "Cancer Vaccines Based on The Identification of Genes Encoding Cancer Regression Antigens" *Immunology Today*, 18,175-182

135) RT. Kubo, A. Sette, HM. Grey, E. Appella, K. Sakaguchi, NZ. Zhu, D. Arnott, N. Sherman, J. Shabanowitz, H. Michel, WM. Bodnar, TA. Davis and DF. Hunt (1994) "Definition of Specific Peptide Motifs for Four Major HLA-A Alleles" *Journal of Immunology*, 152,3913-3924

136) GE. Peoples, PS. Goedegebuure, R. Smith, DC. Linehan, I. Yoshino and TJ. Eberlein (1995) "Breast and Ovarian Cancer-Specific Cytotoxic T Lymphocytes Recognize The Same HER2/neu-Derived Peptide" *Proceedings of the National Academy of Sciences of the United States of America*, 92,432-436

- 137) C. Traversari, P. van der Bruggen, IF. Luescher, C. Lurquin, P. Chomez, A. Van Pel, E. De Plaen, A. Amer-Costesec and T. Boon (1992) "A Nonapeptide Encoded by Human Gene MAGE-1 is Recognized on HLA-A1 by Cytolytic T Lymphocytes Directed Against Tumor Antigen MZ2-E" *Journal of Experimental Medicine*, 176,1453-1457
- 138) JD. Pfeifer, MJ. Wick, RL. Roberts, K. Findlay, SJ. Normark and CV. Harding (1993) "Phagocytic Processing of Bacterial Antigens for Class I MHC Presentation to T Cells" *Nature*, 28,359-362
- 139) CR. Sousa and RN. Germain (1995) "Major Histocompatibility Complex Class I Presentation of Peptides Derived from Soluble Exogenous Antigen by A Subset of Cells Engaged in Phagocytosis" *Journal of Experimental Medicine*, 182,841-851
- 140) K. Inaba, JP. Metiy, MT. Crowley and RM. Strinman (1990) "Dendritic Cells Pulsed with Protein Antigens In Vitro Can Prime Antigen-Specific, MHC-Restricted T Cells In Situ" *Journal of Experimental Medicine*, 172,631-640
- 141) A. Porgador and E. Gilboa (1995) "Bone Marrow-Generated Dendritic Cells Pulsed with A Class I-Restricted Peptide Are Potent Inducers of Cytotoxic T Lymphocytes" *Journal of Experimental Medicine*, 182,255-260
- 142) CGAA. Sinha and KC. Lee (1987) "Functional Differences And



Complementation Between Dendritic Cells And Macrophages in T-Cell Activation" Immunology, 61,269-276

143) SE. Alters, JR. Gadea and R. Philip (1998) "Immunotherapy of Cancer-Generation of CEA Specific CTL Using CEA Peptide Pulsed Dendritic Cells" Advances Experimental Medicine Biology, 417,519-524

144) KY. Tsang, S. Zaremba, CA. Nieroda, MZ. Zhu, JM. Hamilton, and J. Schlom (1995) "Generation of Human Cytotoxic T Cells Specific for Human Carcinoembryonic Antigen Epitopes from Patients Immunized with Recombinant Vaccinia-CEA Vaccine" Journal of The National Cancer Institute, 87,982-990

145) B. Agrawal, MA. Reddish and BM. Longenecker (1996) "In Vitro Induction of Muc-1 Peptide-Specific Type 1 T Lymphocyte And Cytotoxic T Lymphocyte Responses from Healthy Multiparous Donors" Journal of Immunology, 157,2089-2095

146) I. Nukaya, M. Yasumoto, T. Iwasaki, M. Ideno, A. Sette, E. Celis, K. Takesako and I. Kato (1999) "Identification of HLA-A24 Epitope Peptides of Carcinoembryonic Antigen Which Induce Tumor-Reactive Cytotoxic T Lymphocyte" International Journal of Cancer, 80,92-97

147) SE. Alters, JR. Gadea, M. Sorich, G. O'Donoghue, S. Talib and R. Philip (1998) "Dendritic Cells Pulsed With CEA Peptide Induce CEA-Specific CTL With Restricted TCR Repertoire" Journal of

Immunotherapy, 21,17-26

148) SK. Nair, D. Boczkowski, M. Norse, R. Ian Cumming, H. Kim Lyerly and E. Gilboa (1998) "Induction of Primary Carcinoembryonic Antigen (CEA)-Specific Cytotoxic T Lymphocytes In Vitro Using Human Dendritic Cells Transfected With RNA" Nature Biotechnology, 16,364-369

149) I. Kawashima, V. Tsai, S. Southwood, K. Takesako, A. Sette, and E. Celis (1999) "Identification of HLA-A3-Restricted Cytotoxic T Lymphocyte Epitope From Carcinoembryonic Antigen And HER-2/neu by Primary In Vitro Immunization With Peptide-Pulsed Dendritic Cells" Cancer Research, 59,431-435

150) CH. Kim, M. Matsumura, K. Saijo and T. Ohno (1998) "In vitro Induction of HLA-A2402-Restricted And Carcinoembryonic Antigen Specific Cytotoxic T Lymphocytes On Fixed Autologous Peripheral Blood Cells" Cancer Immunology Immunotherapy, 47,90-96

151) T. Volgmann, A. Klein-Struckmeier and H. Morhr (1989) "A Fluorescence-Based Assay For Quantitation of Lymphokine-Activated Killer Cell Activity" Journal of Immunological Methods, 119,45-51

152) DA. Mehta, S. Markowicz and E. Engleman (1994) "Generation of Antigen Specific CD8+ CTLs from Native Precursors" Journal of Immunology, 153,996-1003

153) F. Sallusto and A. Lanzavecchia (1994) "Efficient Presentation of Soluble Antigen by Cultured Human Dendritic Cells Is Maintained by Granulocyte/Macrophage Colony-Stimulating Factor Plus Interleukin 4 And Downregulated by Tumor Necrosis Factor Alpha" *Journal of Experimental Medicine*, 79,1109-1118

154) N. Romani, S. Gruner, D. Brang, E. Kampgen, A. Lenz, B. Trocken-Backer, G. Konwalkinka, PO. Fritsch, RM. Steinman and G. Schuler (1994) "Proliferating Dendritic Cell Progenitors In Human Blood" *Journal of Experimental Medicine*, 180,83-93

155) P. van der Bruggen, J. Bastin, T. Gajewski, PG. Coulie, P. Boel, C. De Smet, C. Traversari, A. Townsend and T. Boon (1994) "A Peptide Encoded by Human Gene MAGE-3 And Presented by HLA-A2 Induces Cytolytic T Lymphocytes That Recognize Tumor Cells Expressing MAGE-3" *European Journal of Immunology*, 24,3038-3043

156) Y. Date, A. Kimura, H. Kato and T. Sasazuki (1996) "DNA Typing of The HLA-A Gene: Population Study And Identification of Four New Alleles In Japanese" *Tissue Antigens*, 47,93-101

157) L. Rivoltini, Y. Kawakami, K. Sakaguchi, S. Southwood, A. Sette, PF. Robbins, FM. Maricola, ML. Salgaller, JR. Yannelli, E. Appella, and SA. Rosenberg (1995) "Induction of Tumor-Reactive CTL from Peripheral Blood And Tumor-Infiltrating Lymphocytes of Melanoma Patients by In Vitro Stimulation with An Immunodominant Peptide of

The Human Melanoma Antigen MART-1" Journal of Immunology,  
154,2257-2265

158) Y. Kawakami, S. Eliyahu, C. Jennings, K. Sakaguchi, X. Kang, S. Southwood, PF. Robbins, A. Sette, E. Appella and SA. Rosenberg (1995) "Recognition of Multiple Epitopes in The Human Melanoma Antigen gp100 by Tumor-Infiltrating T Lymphocytes Associated with In Vitro Tumor Regression" Journal of Immunology, 154,3961-3968