

Curriculum Vitae

Mansour Mohamadzadeh, PhD

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Academic Education:

1991	PhD	Johannes Gutenberg University, Germany; Cellular & Molecular Immunology
1989	MS	Johannes Gutenberg University, Germany; Cellular & Molecular Immunology
1986	BS	Johannes Gutenberg University, Germany; Cellular & Molecular Biology

PhD Thesis:

Generation and characterization of monoclonal antibodies against epitopes expressed of epidermal Langerhans cells upon contact allergen application (Johannes Gutenberg University, 1991; thesis adviser, Jürgen Knop, MD/PhD)

Positions and Employment:

2011–present	Professor, University of Florida College of Veterinary Medicine, Department of Infectious Diseases and Pathology
2011–present	Professor, Cancer Genetic Institute, University of Florida, Gainesville, FL
2011–present	Professor, Department of Dermatology, University of Florida College of Medicine, Gainesville, FL
2012–present	Professor, Department of Medicine (Division of Hepatology/Gastroenterology), University of Florida, Gainesville, FL
2011-present	Professor, Emerging Pathogens Institute, University of Florida, Gainesville, FL
2008–2011	Associate Professor of Medicine, Northwestern University, Feinberg School of Medicine, Chicago, IL. I established a scientific team whose focus is to elucidate the cellular and molecular mechanisms of inflammatory disease disorder (i.e. colitis). Additionally, a novel oral vaccine for cancer and microbes has been established.
2003–2008	Principal Investigator, Research True Foundation, Contractor for US Army Medical Research Institute of Infectious Diseases (USAMRIID), Department of Virology, Frederick, MD. In this position the pathogenesis of filoviruses and other pathogens were studied, and various vaccine platforms established.
2001–2003	Assistant Professor, Tulane Medical School, New Orleans, LA. In this position I discovered various small peptides derived from a phage display peptide library that specifically bound to dendritic cell subsets. Using this peptide, a new generation of vaccine antigen targeting to dendritic cells was established.

- 1998–2001 Assistant Professor, Baylor Institute for Research Immunology, Dallas, TX. While in this position I established the generation of Langerhans cells that can be derived from monocytes using new cytokine combinations (GM-CSF+IL-15). Such an IL-15 dendritic cell subset is currently used in various cancer clinical trials conducted at Baylor Institute for Research Immunology.
- 1996–1998 Research Assistant Professor, Southwestern University, Department of Medicine, Dallas, TX. In this position as a Postdoctoral Fellow, or Research Assistant Professor, I further studied various dendritic cells in contact dermatitis, cancer and UV area. Furthermore, a chemokine-gene called MIP1 γ , produced by dendritic cells, that is strongly involved in T cell recruitment was discovered. Additionally, the role of CD44 in migratory capacity of T cells was thoroughly investigated.
- 1994–1998 Habilitation Scholarship (Dermatology), Southwestern Medical Center, Dallas, TX. I received this prestigious scholarship from Deutscher Forschung Gesellschaft (DFG) to work on the molecular mechanisms of skin diseases such as contact allergy.
- 1992–1994 Postdoctoral Fellow, Department of Medicine (Dermatology), Johannes Gutenberg University. In this position I fully characterized dermal dendritic cells in steady state and contact allergy. Additionally, I produced novel monoclonal antibodies that recognized novel molecules on epidermal Langerhans cells (DCs) and keratinocytes. Some of these antibodies are sold by BD. Additionally, using these novel antibodies I was able to identify and to fully characterize dermal dendritic cells.

Other Experience and Professional Memberships:

- 2010–present Member, The New Academy of Science
2007–2010 Associate Editor, Journal of Immunology
2011-present Associate Editor, Journal of Immunotherapy
2011-present Associate Editor, Frontiers in Immunology
2011-present Associate Editor, Journal of Vet, Science & Technology
2011-present Associate Editor, Antiviral Research
2009–2011 Member, IACUC committee, Northwestern University
2005–present Member, American Society for Microbiology
2003–present Merit Grants Reviewer, National Institute of Health (NIH)
1998–present Member, American Association of Immunologists (AAI)
1996–present Member, American Association for the Advancement of Science (AAAS)

Honors:

- 2008 US Citizenship
2007–present Adjunct Associate Professor of Dermatology, Johns Hopkins University, Baltimore, MD

Published Patent Applications:

1. Composition and Methods to Reduce Inflammatory Responses; 2010 (Co-Inventor)
2. Vaccine Composition and Uses Thereof (61/252,456); October 16, 2010 (Inventor)
3. Dendritic Cell Binding Proteins and Uses Thereof; 2003 (Inventor)
4. Compositions and Methods for Producing Antigen-Presenting Cells; 2001(Inventor)
5. Development of 12-mer Peptide that Binds to Hyaluronan Expressed on Keratinocytes; 1998 (Co-Inventor)
6. Development of Antibodies Against Dendritic Cell Subsets; 1991 (Inventor)

Awards:

2001–2002	Ladies Leukemia Lagues (LLL) Award for Cutaneous Leukemia Research
1994–1996	Professor Scholarship, Deutscher Forschung Gesellschaft (DFG), Germany
1993–1995	Research Grant, Deutscher Forschung Gesellschaft (DFG), Germany
1993–1995	Research Grant, Ministry of Research and Technology (BMFT), Germany
1992–1994	Bridge-Research Grant, European Union (EU), Germany, France, Netherlands
1985–2001	Master and PhD Scholarships from Friedrich Neuman Stiftung (FNS), Germany

Research Support:

\$3,294,396 08/19/2011- 07/31/2016	NIH/NIHAID R01AI093370. “Novel multivalent vaccine for anthrax and botulinum”; Role: PI The goal of this proposal is to employ <i>L. gasseri</i> in which we express multivalent vaccine subunits of anthrax and botulism genetically fused to dendritic cell binding peptide to induce protective immune responses against pathogen challenge.
\$20,000 02/01/2012- 01/31/2013	CVM 2011 Equine Fall Consolidated Faculty Research Development; “Novel Oral Targeted Vaccine for <i>Sarcocystis neurona</i> ”; Role: PI The goal of this study is to test the immunogenicity of CD4 ⁺ /CD8 ⁺ T cell epitopes of SAG1 subunit of <i>Sarcocystis neurona</i> <i>in vivo</i> .
\$50,000 07/01/2012- 06/30/2014	Ocala Royal Dames for Cancer Research, Inc.; “Novel Mucosal Targeted Vaccine for Breast Cancer”; Role: PI The goal of this study is to generate an oral vaccine for breast cancer using targeted selected T cell epitopes of Rat/neu, legumain and beta catenin.
\$100,000 05/01/2012- 04/30/2014	2012 University of Florida Opportunity Seed Fund; “Alpha 1 antitrypsin for the treatment of inflammatory bowel diseases (IBD)”; Role: Co-PI; (Dr. Sihong Song: PI). The goal of this project is to develop a novel therapy for the treatment of IBD using anti-inflammatory alpha-1 antitrypsin (AAT).
\$25,000 06/01/2012- 05/31/2013	University of Florida Clinical and Translational Science Institute; “Induction of Immune regulation by <i>L. acidophilus</i> ”; Role: PI The goal of this project is to study the differential role of <i>L. acidophilus</i> -SlpA, SlpB, and SlpX that either control or elicit inflammatory signals in murine and human colitis.
\$293,000 09/30/2012- 09/29/2014	Department of Defense FY11 / CA111002 Military Medical Research & Development; “Reprogramming Intestinal Immunity by Novel <i>L. Acidophilus</i> Strains Results in Protective Immunity Against Colon Cancer”; Role: PI The goal of this study is to investigate the regulatory immune mechanisms induced by <i>L. acidophilus</i> in colonic cell subsets in polyposis.
\$100,000 2012-2013	2012 University of Florida Emerging Pathogens Institute Seed Fund; “Novel oral vaccine for influenza A virus”; Role: Mentor/Collaborator; (Dr. Bikash Sahay: PI). The goal of this study is to generate an oral vaccine against various influenza virus strains using <i>L. gasseri</i> .
\$200,000 01/01/2010- 01/01/2012	Baxter Inc; “Novel oral vaccine for influenza A virus”; Role: PI The goal of this study is to elicit efficacious viral specific mucosal immune responses by targeting immunogenic peptides of various sub-regions of H1N1 influenza to DC-peptides expressed by <i>Lactobacillus gasseri</i> .

- \$1,301,718**
9/15/2008-
9/15/2013
Circle of Service Foundation Inc. SP0005882; Robert H. Lurie Comprehensive Cancer Center, Northwestern University, Chicago, IL; "Immune Therapy of Gastrointestinal Cancer"; Role: Co- PI
Major Goals are monitoring anti-tumor T-cell responses and therapeutic vaccination using *L. acidophilus* delivery in colon cancer.
- \$100,000**
06/01/2009-
06/01/2011
Bruce and Martha Atwater Foundation; "Orally-delivered multi-target vaccines for breast cancer"; Role: PI
The goal of this study is to establish an oral vaccine using *L. acidophilus* expressing tumor associated antigens (rat/neu, Legumain, beta catenin) genetically fused to small peptides that bind to dendritic cells *in vivo*.
- \$700,000**
09/01/2006
09/01/2008
Department of Defense: Joint Science and Technology Office for Chemical and Biological Defense (JSTO-CBD) 188289; "Vaccines targeted to dendritic cells"; Role: PI.
- \$450,000**
10/01/2006-
10/01/2008
NIH R21 AI059590; "Dendritic cell targeting of anthrax vaccine"; Role: PI.
- \$100,000**
03/01/2003-
12/01/2005
NIH Base. TNPRC; "Targeting an SIV Nef core vaccine to primate dendritic cells"; Role: PI.
- \$450,000**
10/01/2002-
01/01/2005
NIH DA016029-01; "Dendritic cell targeted hepatitis c virus immunotherapy"; Role: PI.
- \$1,250,000**
09/30/2001-
02/29/2004
NIH 1 RO1 AI048638 01; (PI: Bali Pulendran); "Microbes, dendritic cell subsets and Tcell immunity"; Role: Co-PI.
- \$50,000**
03/01/2001-
03/1/2002
Ladies Leukemia Foundation; "Development of a Novel IL15-Based Vaccine to Treat Cutaneous Tcell Lymphoma; (Role: PI).
- \$5,000,000**
2001-2005
Defense Advanced Research Projects Agency (DARPA); "Vaccine against different pathogens"; Role: Co-PI (PI: J. Banchemau).
- \$1,250,000**
1998-2001
NIH 1 RO1 CA78846-01A1; "Subpopulations of human dendritic cells"; Role: Co-Investigator (PI: J. Banchemau).

Pending Support:

- \$2,242,919**
02/01/2013-
01/31/2016
DOD - W81SWH-12-PRMRP-TTDA Department of Defense/ Congressionally Directed Medical Research Programs; "Key Role of Surface Layer Proteins of *L. acidophilus* in IBD"; Role: PI.
The goal of this proposal to study the role of *L. acidophilus*-SlpA in the control inflammatory signals in murine colitis.
- \$600,000**
08/31/2012-
07/31/2015
V Foundation for Cancer Research; "Signature Epigenetic Biomarkers for Colon Cancer"; Role: PI.
The goal of this proposal is to elucidate the role of genetically modified *Lactobacillus acidophilus* to control DNA-methylation that may lead to significant ablation of induced polyposis-formation and colon cancer.
- \$5,100,358**
04/01/2013-
03/31/2018
NIH RFA-AI-12-014 Partnerships for Development of Vaccine Technologies; "Targeted Mucosal Vaccines for Botulinum"; Role: Co-Investigator; (Dr. David Pascual:PI).
The goal of this application is to develop a polyvalent vaccine for BoNT/A, B, & E, using a prime-boost mucosal vaccination strategy validated in two animal models.
- \$1,516,625**
07/01/2012-
06/30/2016
NIH/NCI, 1R01CA170277-01; "Rebalancing intestinal pathogenic inflammation by novel *L. acidophilus* strains in colon cancer. (PQ5)"; Role: PI
The goal of this proposal is to identify critical gene products of LTA-deficient *L. acidophilus* strains that induce optimal immune regulation in innate immune cells, including dendritic cells (DCs), which in turn dampen proinflammatory responses elicited by infiltrating pathogenic T cells in the colonic polyp microenvironment.

Publications:

1. Erskine CL, Krco CJ, Hedin KE, Borson ND, Kalli KR, Behrens MD, Heman-Ackah SM, von Hofe E, Wettstein PJ, Mohamadzadeh M, Knutson KL. (2011). MHC class II epitope nesting modulates dendritic cell function and improves generation of antigen-specific CD4 helper T cells. *J Immunol.* Jul 1;187(1):316-24. Epub 2011 May 25. PMID:21613617
2. Mohamadzadeh M, Pfeiler EA, Brown JB, Zadeh M, Gramarossa M, Managlia E, Bere P, Sarraj B, Khan MW, Pakanati KC, Ansari MJ, O'Flaherty S, Barrett T, Klaenhammer TR. (2011). Regulation of induced colonic inflammation by *Lactobacillus acidophilus* deficient in lipoteichoic acid. *Proc Natl Acad Sci USA*, 2011 Mar 15;108 Suppl 1:4623-30. Epub 2011 Jan 31. PMID:21282652
3. Saber R, Zadeh M, Pakanati KC, Klaenhammer T, and Mohamadzadeh M. (2011) Regulation of downstream signals by *Lactobacillus acidophilus* NCFM deficient in lipoteichoic acid. *Immunotherapy* 3 (3):337-347. PMID:21395377
4. Mojgan Zadeh, Mohammad W. Khan, Yong-Jun Goh, Jennifer L. Owen, Todd Klaenhammer and Mansour Mohamadzadeh (2012). Induction of Intestinal Pro-Inflammatory Immune responses by lipoteichoic acid. *Journal of Inflammation* 2012,9:7. PMID:22423982
5. Mohammad W. Khan, Mojgan Zadeh, Praveen Bere, Elias Gounaris, Grace L. Douglas, Todd Klaenhammer, and Mansour Mohamadzadeh(2011). Modulating intestinal immune responses by lipoteichoic acid deficient *L. acidophilus*. *Immunotherapy.* 4(2):151-61. PMID: 22339459

6. M. Mohamadzadeh, J. L. Owen, Reprogramming intestinal immunity is the answer to induced pathogenic inflammation. *Immunotherapy* 3, 1415 (2011). PMID: 22091675
7. Khashayarsha Khazaie, Mohammad W. Khan, Mojgan Zadeh, Praveen Bere, Kirsten Dennis, Nichole Blatner, Fotini Gounari, Todd Klaenhammer, and Mansour Mohamadzadeh. Abating colon cancer polyposis by *Lactobacillus acidophilus* deficient in lipoteichoic acid. (2012). *Proc Natl Acad Sci U S A*, Early Edition, June 12, 2012, 1 of 6.
8. Mohamadzadeh M, et al. (2010). Targeted Expression of Anthrax Protective Antigen by *Lactobacillus gasseri* as an Anthrax Vaccine. (Translated from Eng). *Future Microbiol* 5(8):1289-1296 (in Eng).
9. Tournier JN & Mohamadzadeh M (2010). Key Roles of Dendritic Cells in Lung Infection and Improving Anthrax Vaccines. (Translated from Eng) *Trends Mol Med* 16(7):303-312 (in Eng).
10. Mohamadzadeh M (2010). Induction of Protective Immunity Against Microbial Challenge by Targeting Antigens Expressed by Probiotic Bacteria to Mucosal Dendritic Cells. (Translated from Eng) *Curr HIV Res* 8(4):323-329 (in Eng).
11. Steele KE, Anderson AO, & Mohamadzadeh M (2009). Fibroblastic Reticular Cells and Their Role in Viral Hemorrhagic Fevers. (Translated from Eng) *Expert Rev Anti Infect Ther* 7(4):423-435 (in Eng).
12. Mohamadzadeh M (2009). Potential Factors Induced by Filoviruses that Lead to Immune Suppression. (Translated from Eng) *Curr Mol Med* 9(2):174-185 (in Eng).
13. Tournier JN, Ulrich RG, Quesnel-Hellmann A, Mohamadzadeh M, & Stiles BG (2009). Anthrax, Toxins and Vaccines: A 125-Year Journey Targeting *Bacillus anthracis*. (Translated from Eng) *Expert Rev Anti Infect Ther* 7(2):219-236 (in Eng).
14. Steele KE, Anderson AO, & Mohamadzadeh M (2009). Fibroblastic Reticular Cell Infection by Hemorrhagic Fever Viruses. (Translated from Eng) *Immunotherapy* 1(2):187-197 (in Eng).
15. Mohamadzadeh M, Duong T, Sandwick SJ, Hoover T, & Klaenhammer TR (2009). Dendritic Cell Targeting of *Bacillus anthracis* Protective Antigen Expressed by *Lactobacillus acidophilus* Protects Mice from Lethal Challenge. (Translated from Eng) *Proc Natl Acad Sci USA* 106(11):4331-4336 (in Eng).
16. Mohamadzadeh M & Klaenhammer TR (2008). Specific *Lactobacillus* Species Differentially Activate Toll-like Receptors and Downstream Signals in Dendritic Cells. (Translated from Eng) *Expert Rev Vaccines* 7(8):1155-1164 (in Eng).
17. Tournier JN & Mohamadzadeh M (2008). Microenvironmental Impact on Lung Cell Homeostasis and Immunity During Infection. (Translated from Eng) *Expert Rev Vaccines* 7(4):457-466 (in Eng).
18. Mohamadzadeh M, Duong T, Hoover T, & Klaenhammer TR (2008). Targeting Mucosal Dendritic Cells with Microbial Antigens from Probiotic Lactic Acid Bacteria. (Translated from eng) *Expert Rev Vaccines* 7(2):163-174 (in Eng).
19. Mohamadzadeh M, Chen L, & Schmaljohn AL (2007). How Ebola and Marburg Viruses Battle the Immune System. (Translated from Eng) *Nat Rev Immunol* 7(7):556-567 (in Eng).

20. Reed DS & Mohamadzadeh M (2007). Status and Challenges of Filovirus Vaccines. (Translated from Eng) *Vaccine* 25(11):1923-1934 (in Eng).
21. Scorpio A, *et al.* (2007). Poly-gamma-glutamate Capsule-degrading Enzyme Treatment Enhances Phagocytosis and Killing of Encapsulated *Bacillus anthracis*. (Translated from Eng) *Antimicrob Agents Chemother* 51(1):215-222 (in Eng).
22. Mohamadzadeh M, Chen L, Olinger GG, Pratt WD, & Schmaljohn AL (2006). Filoviruses and the Balance of Innate, Adaptive, and Inflammatory Responses. (Translated from Eng) *Viral Immunol* 19(4):602-612 (in Eng).
23. Mohamadzadeh M, *et al.* (2006). Activation of Triggering Receptor Expressed on Myeloid Cells-1 on Human Neutrophils by Marburg and Ebola Viruses. (Translated from Eng) *J Virol* 80(14):7235-7244 (in Eng).
24. Kalina WV & Mohamadzadeh M (2005). Lactobacilli as Natural Enhancer of Cellular Immune Response. (Translated from Eng) *Discov Med* 5(26):199-203 (in Eng).
25. Mohamadzadeh M, *et al.* (2005). Lactobacilli Activate Human Dendritic Cells that Skew T-cells Toward T helper 1 Polarization. (Translated from Eng) *Proc Natl Acad Sci USA* 102(8):2880-2885 (in Eng).
26. Sestak K, *et al.* (2004). Defining T-cell-Mediated Immune Responses in Rotavirus-Infected Juvenile Rhesus Macaques. (Translated from Eng) *J Virol* 78(19):10258-10264 (in Eng).
27. Bosio CM, *et al.* (2004). Ebola and Marburg Virus-Like Particles Activate Human Myeloid Dendritic Cells. (Translated from Eng) *Virology* 326(2):280-287 (in Eng).
28. Mohamadzadeh M, Mohamadzadeh H, Brammer M, Sestak K, & Luftig RB (2004). Identification of Proteases Employed by Dendritic Cells in the Processing of Protein Purified Derivative (PPD). (Translated from Eng) *J Immune Based Ther Vaccines* 2(1):8 (in Eng).
29. Curiel TJ, *et al.* (2004). Peptides Identified Through Phage Display Direct Immunogenic Antigen to Dendritic Cells. (Translated from Eng) *J Immunol* 172(12):7425-7431 (in Eng).
30. Pulendran B, *et al.* (2004). Dendritic Cells Generated in the Presence of GM-CSF Plus IL-15 Prime Potent CD8+ Tc1 Responses *In vivo*. (Translated from Eng) *Eur J Immunol* 34(1):66-73 (in Eng).
31. Mohamadzadeh M & Luftig R (2004). Dendritic cells: In The Forefront of Immunopathogenesis and Vaccine Development - A review. (Translated from Eng) *J Immune Based Ther Vaccines* 2(1):1 (in Eng).
32. Warfield KL, *et al.* (2003). Ebola Virus-like Particles Protect from Lethal Ebola Virus Infection. (Translated from Eng) *Proc Natl Acad Sci USA* 100(26):15889-15894 (in Eng).
33. Bosio CM, *et al.* (2003). Ebola and Marburg Viruses Replicate in Monocyte-Derived Dendritic Cells Without Inducing the Production of Cytokines and Full Maturation. (Translated from Eng) *J Infect Dis* 188(11):1630-1638 (in Eng).

34. Pulendran B, *et al.* (2001). Lipopolysaccharides from Distinct Pathogens Induce Different Classes of Immune Responses *In vivo*. (Translated from Eng) *J Immunol* 167(9):5067-5076 (in Eng).
35. Mohamadzadeh M, *et al.* (2001). Interleukin 15 Skews Monocyte Differentiation Into Dendritic Cells with Features of Langerhans Cells. (Translated from Eng) *J Exp Med* 194(7):1013-1020 (in Eng).
36. Mummert ME, Mohamadzadeh M, Mummert DI, Mizumoto N, & Takashima A (2000). Development of a Peptide Inhibitor of Hyaluronan-Mediated Leukocyte Trafficking. (Translated from Eng) *J Exp Med* 192(6):769-779 (in Eng).
37. Estess P, Nandi A, Mohamadzadeh M, & Siegelman MH (1999). Interleukin 15 Induces Endothelial Hyaluronan Expression *In vitro* and Promotes Activated T-cell Extravasation Through a CD44-Dependent Pathway *In vivo*. (Translated from Eng) *J Exp Med* 190(1):9-19 (in Eng).
38. Oppenheimer-Marks N, Brezinschek RI, Mohamadzadeh M, Vita R, & Lipsky PE (1998). Interleukin 15 Is Produced by Endothelial Cells and Increases the Transendothelial Migration of T-cells *In vitro* and in the SCID Mouse-Human Rheumatoid Arthritis Model *In vivo*. (Translated from Eng) *J Clin Invest* 101(6):1261-1272 (in Eng).
39. Mohamadzadeh M, DeGrendele H, Arizpe H, Estess P, & Siegelman M (1998). Proinflammatory Stimuli Regulate Endothelial Hyaluronan Expression and CD44/HA-Dependent Primary Adhesion. (Translated from Eng) *J Clin Invest* 101(1):97-108 (in Eng).
40. Mohamadzadeh M, Knop J, Aliani S, & Cruz PD, Jr. (1997). Cytokine Expression and Antigen-Presenting Capacity of 4F7+ Dendritic Cells Derived from Dermis, Spleen, and Lymph Nodes. (Translated from Eng) *Arch Dermatol Res* 289(8):435-439 (in Eng).
41. Mohamadzadeh M, *et al.* (1996). Functional Roles for Granzymes in Murine Epidermal Gamma(Delta) T-cell-Mediated Killing of Tumor Targets. (Translated from Eng) *J Invest Dermatol* 107(5):738-742 (in Eng).
42. Bellinghausen I, *et al.* (1996). Epidermal Cells Enhance Interleukin 4 and Immunoglobulin E Production After Stimulation with Protein Allergen. (Translated from Eng) *J Invest Dermatol* 107(4):582-588 (in Eng).
43. Mohamadzadeh M, Poltorak AN, Bergstresser PR, Beutler B, & Takashima A (1996). Dendritic Cells Produce Macrophage Inflammatory Protein-1 Gamma, a New Member of the CC Chemokine Family. (Translated from Eng) *J Immunol* 156(9):3102-3106 (in Eng).
44. Mohamadzadeh M, McGuire MJ, Dougherty I, & Cruz PD, Jr. (1996). Interleukin-15 Expression by Human Endothelial Cells: Up-Regulation by Ultraviolet B and Psoralen Plus Ultraviolet A Treatment. (Translated from Eng) *Photodermatol Photoimmunol Photomed* 12(1):17-21 (in Eng).
45. Mohamadzadeh M, Ariizumi K, Sugamura K, Bergstresser PR, & Takashima A (1996). Expression of the Common Cytokine Receptor Gamma Chain by Murine Dendritic Cells Including Epidermal Langerhans Cells. (Translated from Eng) *Eur J Immunol* 26(1):156-160 (in Eng).

46. Edelbaum D, Mohamadzadeh M, Bergstresser PR, Sugamura K, & Takashima A (1995). Interleukin (IL)-15 Promotes The Growth of Murine Epidermal Gamma Delta T-cells by a Mechanism Involving the Beta- and Gamma C-Chains of the IL-2 Receptor. (Translated from Eng) *J Invest Dermatol* 105(6):837-843 (in Eng).
47. Mohamadzadeh M, *et al.* (1995). Ultraviolet B Radiation Up-Regulates the Expression of IL-15 in Human Skin. (Translated from Eng) *J Immunol* 155(9):4492-4496 (in Eng).
48. Erdmann G, *et al.* (1995). Heat-Stable Antigen is Expressed by Murine Keratinocytes and Delivers Costimulatory Signals in T-cell Activation. (Translated from Eng) *Exp Dermatol* 4(5):291-296 (in Eng).
49. Saloga J, *et al.* (1995). Modulation of Contact Sensitivity Responses by Bacterial Superantigen. (Translated from Eng) *J Invest Dermatol* 105(2):220-224 (in Eng).
50. Muller G, *et al.* (1995). Human Keratinocyte-Derived IL-12 Affects LC-Induced Allogeneic T-cell Responses. (Translated from Eng) *Adv Exp Med Biol* 378:519-521 (in Eng).
51. Pavlidou A, Knop J, Mohamadzadeh M, Rude E, & Gradehandt G (1995). Processing and Presentation of Protein and Parasite-Derived Antigens by 4F7+ Dendritic Cells. (Translated from Eng) *Adv Exp Med Biol* 378:233-235 (in Eng).
52. Mohamadzadeh M, Knop J, & Kolde G (1995). *In vitro* Analysis of the Phenotypical and Functional Properties of the 4F7+ Cutaneous Accessory Dendritic Cell. (Translated from Eng) *Arch Dermatol Res* 287(3-4):273-278 (in Eng).
53. Aman MJ, *et al.* (1994). Regulation of Cytokine Expression by Interferon-Alpha in Human Bone Marrow Stromal Cells: Inhibition of Hematopoietic Growth Factors and Induction of Interleukin-1 Receptor Antagonist. (Translated from Eng) *Blood* 84(12):4142-4150 (in Eng).
54. Mohamadzadeh M, *et al.* (1994). Freshly Isolated Mouse 4F7+ Splenic Dendritic Cells Process and Present Exogenous Antigens to T-cells. (Translated from Eng) *Eur J Immunol* 24(12):3170-3174 (in Eng).
55. Mohamadzadeh M, *et al.* (1994). Enhanced Expression of IL-8 in Normal Human Keratinocytes and Human Keratinocyte Cell Line Hacat *In vitro* After Stimulation with Contact Sensitizers, Tolerogens and Irritants. (Translated from Eng) *Exp Dermatol* 3(6):298-303 (in Eng).
56. Muller G, *et al.* (1994). Identification and Induction of Human Keratinocyte-Derived IL-12. (Translated from Eng) *J Clin Invest* 94(5):1799-1805 (in Eng).
57. Enk AH, Saloga J, Becker D, Mohamadzadeh M, & Knop J (1994). Induction of Hapten-Specific Tolerance by Interleukin 10 *In vivo*. (Translated from Eng) *J Exp Med* 179(4):1397-1402 (in Eng).
58. Walev I, *et al.* (1993). Staphylococcal Alpha-Toxin Kills Human Keratinocytes by Permeabilizing the Plasma Membrane for Monovalent Ions. (Translated from Eng) *Infect Immun* 61(12):4972-4979 (in Eng).

59. Mohamadzadeh M, Lipkow T, Kolde G, & Knop J (1993). Expression of an Epitope as Detected by the Novel Monoclonal Antibody 4F7 on Dermal and Epidermal Dendritic Cells. I. Identification And Characterization Of The 4F7+ Dendritic Cell *in situ*. (Translated from Eng) *J Invest Dermatol* 101(6):832-838 (in Eng).
60. Mohamadzadeh M, *et al.* (1993). Functional and Morphological Characterization of 4F7+ Spleen Accessory Dendritic Cells. (Translated from Eng) *Int Immunol* 5(6):615-624 (in Eng).
61. Kolde G, Mohamadzadeh M, Lipkow T, & Knop J (1992). A Novel Monoclonal Antibody to a Distinct Subset of Cutaneous Dendritic Cells. (Translated from Eng) *J Invest Dermatol* 99(5):56S-58S (in Eng).
62. Becker D, Mohamadzadeh M, Reske K, & Knop J (1992). Increased Level of Intracellular MHC Class II Molecules in Murine Langerhans Cells Following *In vivo* and *In vitro* Administration of Contact Allergens. (Translated from Eng) *J Invest Dermatol* 99(5):545-549 (in Eng).
63. Haas J, Lipkow T, Mohamadzadeh M, Kolde G, & Knop J (1992). Induction of Inflammatory Cytokines in Murine Keratinocytes Upon *In vivo* Stimulation with Contact Sensitizers and Tolerizing Analogues. (Translated from Eng) *Exp Dermatol* 1(2):76-83 (in Eng).
64. Kitajima T, *et al.* (1995). T-cell-Dependent Secretion of IL-1 Beta by a Dendritic Cell Line (XS52) Derived from Murine Epidermis. (Translated from Eng) *J Immunol* 155(8):3794-3800 (in Eng).

Publications Accepted or Under Review:

1. Mahesh Kathania *et al.* Intestinal immune activation by *Lactobacillus gasseri* expressing targeted anthrax protective antigen *in vivo*. Submitted, 2012.
2. Lightfoot, Y.L., Rheman, H., Myers, A., and Mohamadzadeh, M. Mitigating colon cancer with a novel strain of *Lactobacillus acidophilus*: a (re-) balancing act. *In Press*, 2012