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Professor, Pediatrics, Medicine, Pathology and Immunobiology
Louise Thomas Chair in Pediatric Cancer Research
Peter and Paula Fasseas Endowed Chair in Cancer Research
Director, Blood and Marrow Transplantation Program
Associate Chair for Research, Department of Pediatrics
Head, Division of Pediatric Hematology/Oncology
Director, M.D.-Ph.D. Program, College of Medicine

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EDUCATION

Medical School: National University of Athens, Athens, Greece, 1974-1980
Post Doctoral Research Associate, McGill University, Montreal, Canada, 1981-82
Internship: McGill University, Montreal, Canada, 1982-1983
Residency: Pediatrics, University of Ottawa, Ottawa, Canada, 1983-1987
Fellowship: Hematology/Oncology, University of Minnesota, Minneapolis, MN, 1987-1990
Post Doctoral Research Associate: University of Minnesota, Minneapolis, MN, 1990-1991

BOARD CERTIFICATION

Educational Commission for Foreign Medical Graduates, ECFMG, 1980
Medical Council of Canada Evaluating Examination, MCCEE, 1981
Licentiate of the Medical Council of Canada, LMCC, 1983
Federation Licensing Examination, FLEX, 1986
Royal College of Physicians and Surgeons of Canada, Pediatrics, FRCPC, 1987
American Board of Pediatrics, Pediatrics, 1987
American Board of Pediatrics, Pediatric Hematology-Oncology, 1990
American Board of Pediatrics, Pediatric Hematology-Oncology, re-certification, 1997
American Board of Pediatrics, Pediatric Hematology-Oncology, re-certification, 2002
American Board of Pediatrics, Pediatric Hematology-Oncology, re-certification, 2012

LICENSURE

Medical Association of Athens, Greece, 1981-83
College of Physicians and Surgeons of Ontario, #53061, 1983-96
State of Minnesota Medical License, #31044, 1987-97
State of Arizona Medical License, #25119, 1997-present



ACADEMIC APPOINTMENTS

University of Minnesota, Medical School, Minneapolis, MN

Instructor of Pediatrics, 1991-1993
Assistant Professor of Pediatrics, 1993-1997

University of Arizona, College of Medicine, Tucson, AZ

Assistant Professor of Pediatrics, 1997-1998
Associate Professor of Pediatrics, 1998-2004
Associate Professor of Pathology, 1999-2004
Professor of Pediatrics, 2004-present
Professor of Pathology, 2004-present
Interim Head, Division of Pediatric Hematology/Oncology, 2004-2005
Head, Division of Pediatric Hematology/Oncology, 2005-present
Professor of Immunobiology, 2007-present
Director, M.D.-Ph.D. Program, 2010-present
Associate Chair for Research, Department of Pediatrics, 2011-present
Director, Blood and Marrow Transplantation Program, 2012-present
Professor of Medicine, 2012-present

HOSPITAL DIRECTORSHIPS

Medical Director, BMT Processing Laboratory, University of Arizona Medical Center, 1999-present
Medical Director, Pediatric Oncology, University of Arizona Medical Center, 2008-present
Medical Director, Pediatric BMT, University of Arizona Medical Center, 2010-present

HONORS & AWARDS

Gordon E. Richard Award, Canadian Cancer Society Fellowship, 1986-1987
Award for Best Research Presentation by a Pediatric Resident, University of Ottawa, 1987
Wyeth Award for Excellence Achieved in Research, University of Ottawa, 1987
Outstanding Pediatric Fellow Award, University of Minnesota, 1988
Variety Club Fellowship, 1989-1990
Fellowship Award, Medical Research Council of Canada, 1989-1991
First Place Award, University of Minnesota Pediatric Fellows' Research Symposium, 1990
Irvine McQuarrie Research Scholar Award, 1992-1994
Young Investigator Award, American Society of Pediatric Hematology/Oncology, 1992
Clinical Oncology Career Development Award, American Cancer Society, 1993-1996
America's Top Pediatricians (Consumers' Research Council of America), 2004-2013
America's Top Oncologists (Consumers' Research Council of America), 2007-2013
Louise Thomas Endowed Chair in Pediatric Cancer Research, 2005-present
Leading Edge Researcher Award, University of Arizona, 2009
Peter and Paula Fasseas Endowed Chair in Cancer Research, 2012-present



SCIENTIFIC ACTIVITIES

Faculty Member

University of Minnesota Cancer Center, 1994-1997
University of Minnesota Center for Immunology, 1995-1997
University of Arizona Cancer Center, 1997-present
University of Arizona Steele Children's Research Center, 1997-present
University of Arizona Interdisciplinary Graduate Program in Cancer Biology, 1998-present
University of Arizona Graduate Program in Immunobiology, 1999-present
University of Arizona BIO5 Institute, 2005-present

National Institutes of Health Committees

NIH/NCI Program Project Site Visit Committee, Children's Hospital Los Angeles, USC, 1998
NIH/NCI Scientific Review Committee D, Clinical Research Studies, 1999
NIH/NCI Program Project Site Visit Committee, Rush University Medical Center, 2003
NIH/NCI Special Emphasis Panel/Approaches in Cancer Therapeutics, 2005
NIH/NCI Cancer Immunopathology and Immunotherapy Study Section, Feb-2006
NIH/NCI Special Emphasis Panel/Cancer Therapy (Onc-B), 2006
NIH/NCI Cancer Immunopathology and Immunotherapy Study Section, Jan-2008
NIH/NCI Cancer Immunopathology and Immunotherapy Study Section, Oct-2008
NIH/NCI Clinical Oncology Study Section, Jan-2009
NIH/NCI Clinical Oncology Study Section, May-2009
NIH/NCI RFA OD-09-003 Challenge Grants Panel 10, June-2009
NIH/NCI Cancer Immunopathology and Immunotherapy Study Section, Sep-2009
NIH/NCI LRP OD09-109 Pediatric L40 A2, May-2010
NIH/NCI ZRG1 OTC-Y (02)-Cancer Therapeutics, Dec-2010
NIH/NCI Intramural Program Site Visit Committee, Pediatric Oncology Branch, May 2011
NIH/NCI Pediatric Research-LRP 2012/08 ZCA1 PCRB-A (A2) B, May-2012
NIH/NCI Clinical Oncology Study Section, Chartered Member 2010-2014

Other Scientific Review Committees

American Cancer Society, Scientific Advisory Committee on Immunology, 1993
Manitoba Health Research Council, 1995
Children's Hospital of Winnipeg Research Foundation, 1995
Children's Hospital of Eastern Ontario Research Institute, 1996
University of Manitoba Health Sciences Centre Foundation, 1995, 1996
American Cancer Society, Peer Review Committee on Cancer Immunology, 1997
Miami Children's Hospital Research Institute, 2004
Dept. of Defense (DOD) Chronic Myelogenous Leukemia Research Program (CMLRP), 2004
National Medical Research Council of Singapore, 2004
Greek Ministry for Education (Grant proposal review), 2011
American Cancer Society, IRG, 2011
Cancer Research Wales, 2011
Michael Smith Foundation for Health Research, British Columbia, Canada, 2012
UA Cancer Center, Basic/clinical partnerships to promote translational research, 2012
Italian Association for Cancer Research, 2004, 2009, 2010, 2011, 2012, 2013
St. Baldrick's Foundation, 2012, 2013
Netherlands Organisation for Scientific Research, 2013



Journal Editorial Boards

HAEMA, 2005-2010
Cancer Immunology Immunotherapy, 2007-2013
International Journal of Oncology, 2008-present
International Journal of Pediatrics, 2009-present
American Journal of Blood Research, 2011-present

Journal Reviewer

Biology of Blood and Marrow Transplantation
Blood
Biomedical Research International
Cancer Gene Therapy
Cancer Research
Cellular Immunology
Hospital Physician
European Journal of Immunology
Expert Opinion On Biological Therapy
Expert Review of Vaccines
Immunobiology
Immunological Investigations
International Immunopharmacology
International Journal of Cancer
Journal of Cellular Biochemistry
Journal of Immunology
Journal of Immunotherapy
Journal of Leukocyte Biology
Journal of Pediatrics
Journal of Pharmacology and Experimental Therapeutics
Journal of the National Cancer Institute
Leukemia
Nature Medicine
Neuro-Oncology
Oncogene
The Oncologist
Transplantation
Tumor Biology

Professional Societies

Fellow of the Royal College of Physicians and Surgeons of Canada, 1987-2009
American Association for Cancer Research, 1989- present
Society for Immunotherapy of Cancer, 1992- present
American Association of Immunologists, 1995- present
American Society of Hematology, 1997- present
Children's Oncology Group, 2000- present
European Society for Cancer Immunology and Immunotherapy, 2006- present
American Society of Pediatric Hematology/Oncology, 2008- present
American Society for Blood and Marrow Transplantation, 2010- present
Pediatric Blood and Marrow Transplant Consortium, 2010- present



AACR, Cancer Immunology Working Group, 2011- present
AACR, Pediatric Cancer Working Group, 2011- present

Scientific Conferences

Session Chairperson, International Society for Experimental Hematology Meeting, 1994

Consultant

Chairman, Scientific Advisory Board, Immunovative Therapies, Ltd., 9/12 - 1/13

COMMITTEE & ADMINISTRATIVE ACTIVITIES *denotes active

National – International

Organizing committee, Annual Meeting of the International Society for Experimental Hematology, 1994

University

Faculty Council, University of Ottawa, 1983-84
Transfusion Sub-Committee, University of Ottawa, 1984-87
Frontiers in Immunobiology & Immunopathogenesis Symposium Planning Committee, UA, 2005-08
Chairman, Committee for Review of the Head of the Dept. of Pediatrics, UA, 2006-07
Founders Day Selection Committee, U. of Arizona, College of Medicine, 2009
Promotion and Tenure Committee, U. of Arizona, College of Medicine, 2008-2010
Endowed Chair Committee, U. of Arizona, College of Medicine, 2009- 11
Tactical Team for UA Healthcare Integration, U. of Arizona, College of Medicine, 2010-12
Search Committee, Director of the University of Arizona Cancer Center, 2012-13
* Director, M.D.-Ph.D. Program, U. of Arizona, College of Medicine, 2010-
* Resident Research Council, U. of Arizona, College of Medicine, 2011-
* Dean's Graduate Program Advisory Committee, U. of Arizona, 2011-
* Institutional Setting Committee, Self-Study Task Force, UA College of Medicine, 2012-
* Dean's Research Council, UA College of Medicine, 2013-18
* University of Arizona Health Sciences Center Health Disparities Advisory Council, 2013-

Centers

Immunobiology Core Committee, University of Arizona Cancer Center, 1999-04
Stem Cell Transplantation M&M Committee, University of Arizona Cancer Center, 2004-05
Experimental Mouse Shared Service Committee, University of Arizona Cancer Center, 2004-05
University of Arizona Cancer Center Clinical Operations Executive Committee, 2008-13
* Blood and Marrow Transplantation Committee, University of Arizona Cancer Center, 1997-present
* University of Arizona Cancer Center Director's Committee, 2006-
* University of Arizona Cancer Center, Joint Oversight Committee, 2013-



Departments

Pediatric Bone Marrow Transplantation Committee, U of Minnesota, 1991-97
Faculty Development Committee, Dept. of Pediatrics, U. of Arizona, 1998-02
Computer Committee, Dept. of Pediatrics, U. of Arizona, 1998-02
Director of Transfusion Medicine Search Committee, Dept. of Pathology, U. of Arizona, 2001
Space Committee, Dept. of Pediatrics, U. of Arizona, 2008-10
Faculty Recruitment Search Committee, Dept. of Immunobiology, 2008 – 10
Academic Program Review, Dept. of Immunobiology, U. of Arizona, 2011
* Clinical Steering Committee, Dept. of Pediatrics, U. of Arizona, 2004 - present
* Promotion and Evaluation Committee, Dept. of Immunobiology, 2007- present
* Executive Committee, Dept. of Pediatrics, U. of Arizona, 2011-present
* Mentoring Committee, Dept. of Pediatrics, U. of Arizona, 2012- present

Graduate Programs

Interviewer, Cancer Biology Graduate Interdisciplinary Program, U. of Arizona, 2005-07
Admissions Committee, Dept. of Immunobiology Graduate Program, U. of Arizona, 2005-08
Executive Committee, Immunobiology Graduate Program, U. of Arizona, 2007- 2011
Admissions Committee, Cancer Biology Graduate Interdisciplinary Program, UA, 2007-11
NIH T32 Training Grant Selection Committee, Cancer Biology Graduate ID Program, UA, 2010-11
Academic Program Review, Cancer Biology Graduate ID Program , U. of Arizona, 2011
Curriculum Committee, Cancer Biology Graduate ID Program , U. of Arizona, 2010-13
* Executive Committee, Cancer Biology Graduate ID Program , U. of Arizona, 2007-

Hospital

* Oncology subcommittee pharmacy and therapeutics committee, U. of Arizona Medical Center, 2011-present

OTHER SERVICE

Interviewer, Department of Pediatrics Residency Program, University of Arizona, 1998-present
Interviewer, College of Medicine Admissions, University of Arizona, 1999- 2008
Interviewer, Department of Surgery, Faculty Recruitment, 2007-2008

CLINICAL ACTIVITIES

Attending Physician, Pediatric BMT, U. of Minnesota, 1991-1997
Attending Physician, Pediatric Hem-Onc-BMT, U. of Arizona, 1997- 2010
Attending Physician, Pediatric BMT, U. of Arizona, 2010 - present



PEER REVIEWED ORIGINAL PUBLICATIONS

(3287 citations, h-index 33, i10-index 67) <http://scholar.google.com/citations?user=N8KKsngAAAAJ&hl=en>

1. **Katsanis E**, Hsu E, Luke KH, McKee JA. Systemic lupus erythematosus and sickle hemoglobinopathies: a report of two cases and review of the literature. *Am J Hematol* 1987 Jun;25(2):211-4. PMID: 3605068
2. **Katsanis E**, Luke KH, Hsu E, Yates JR. Hemoglobin E: a common hemoglobinopathy among children of Southeast Asian origin. *Can Med Assoc J* 1987 Jul 1;137(1):39-42. PMID: 3594333
3. **Katsanis E**, Luke KH, Hsu E, Carpenter BF, Mantynen PR. Neutrophilic eccrine hidradenitis in acute myelomonocytic leukemia. *Am J Pediatr Hematol Oncol* 1987 Fall;9(3):204-8. PMID: 3479026
4. **Katsanis E**, Luke KH, Hsu E, Li M, Lillicrap D. Prevalence and significance of mild bleeding disorders in children with recurrent epistaxis. *J Pediatr* 1988 Jul;113(1 Pt 1):73-6. PMID: 3385532
5. Kempe A, Hall CB, MacDonald NE, Foye HR, Woodin KA, Cohen HJ, Lewis ED, Gullace M, Gala CL, Dulberg CS, **Katsanis E**. Influenza in children with cancer. *J Pediatr* 1989 115: 33-39.
6. Anderson PM, **Katsanis E**, Leonard AS, Schow D, Loeffler CM, Goldstein MB, Ochoa AC. Increased local antitumor effects of interleukin 2 liposomes in mice with MCA-106 sarcoma pulmonary metastases. *Cancer Res* 1990 Mar 15;50(6):1853-6. PMID: 2306737
7. **Katsanis E**, Shapiro RS, Robison LL, Haake RJ, Kim T, Pescovitz OH, Ramsay NK. Thyroid dysfunction following bone marrow transplantation: long-term follow-up of 80 pediatric patients. *Bone Marrow Transplant* 1990 May;5(5):335-40. PMID: 2350628
8. **Katsanis E**, Bausero MA, Ochoa AC, Loeffler CM, Blazar BR, Leonard AS, Anderson PM. Importance in timing of cyclophosphamide on the enhancement of interleukin-2-induced cytotoxicity. *Cancer Immunol Immunother* 1991 34(2):74-8. PMID: 1760819
9. Loeffler CM, Platt JL, Anderson PM, **Katsanis E**, Ochoa JB, Urba WJ, Longo DL, Leonard AS, Ochoa AC. Antitumor effects of interleukin 2 liposomes and anti-CD3-stimulated T-cells against murine MCA-38 hepatic metastasis. *Cancer Res* 1991 Apr 15;51(8):2127-32. PMID: 1826232
10. **Katsanis E**, Anderson PM, Filipovich AH, Hasz DE, Rich ML, Loeffler CM, Ochoa AC, Weisdorf DJ. Proliferation and cytolytic function of anti-CD3 + interleukin-2 stimulated peripheral blood mononuclear cells following bone marrow transplantation. *Blood* 1991 Sep 1;78(5):1286-91. PMID: 1831682
11. Sencer SF, Rich ML, **Katsanis E**, Ochoa AC, Anderson PM. Anti-tumor vaccine adjuvant effects of IL-2 liposomes in mice immunized against MCA-102 sarcoma. *Eur Cytokine Netw* 1991 Nov-Dec;2(5):311-8. PMID: 1804322
12. Anderson PM, **Katsanis E**, Sencer SF, Hasz D, Ochoa AC, Bostrom B. Depot characteristics and biodistribution of interleukin-2 liposomes: importance of route of administration. *J Immunother* 1992 Jul;12(1):19-31. PMID: 1637781
13. **Katsanis E**, Orchard PJ, Bausero MA, Gorden KB, McIvor RS, Blazar BR. Interleukin-2 gene transfer into murine neuroblastoma decreases tumorigenicity and enhances systemic immunity causing regression of preestablished retroperitoneal tumors. *J Immunother* 1994 Feb;15(2):81-90. PMID: 8136949
14. **Katsanis E**, Bausero MA, Xu H, Orchard PJ, Xu Z, McIvor RS, Brian AA, Blazar BR. Transfection of the mouse ICAM-1 gene into murine neuroblastoma enhances susceptibility to lysis, reduces



- in vivo tumorigenicity and decreases ICAM-2-dependent killing. *Cancer Immunol Immunother* 1994 Feb;38(2):135-41. PMID: 7905790
15. **Katsanis E**, Blazar BR, Bausero MA, Gunther R, Anderson PM. Retroperitoneal inoculation of murine neuroblastoma results in a reliable model for evaluation of the antitumor immune response. *J Pediatr Surg* 1994 Apr;29(4):538-42. PMID: 8014811
 16. **Katsanis E**, Weisdorf DJ, Xu Z, Dancisak BB, Halet ML, Blazar BR. Infusions of interleukin-1 alpha after autologous transplantation for Hodgkin's disease and non-Hodgkin's lymphoma induce effector cells with antilymphoma cytolytic activity. *J Clin Immunol* 1994 May;14(3):205-11. PMID: 7929695
 17. Weisdorf D, **Katsanis E**, Verfaillie C, Ramsay NK, Haake R, Garrison L, Blazar BR. Interleukin-1 alpha administered after autologous transplantation: a phase I/II clinical trial. *Blood* 1994 Sep 15;84(6):2044-9. PMID: 7915916
 18. **Katsanis E**, Xu Z, Anderson PM, Dancisak BB, Bausero MA, Weisdorf DJ, Blazar BR, Ochoa AC. Short-term ex vivo activation of splenocytes with anti-CD3 plus IL-2 and infusion post-BMT into mice results in in vivo expansion of effector cells with potent anti-lymphoma activity. *Bone Marrow Transplant* 1994 Oct;14(4):563-72. PMID: 7858530
 19. **Katsanis E**, Xu Z, Bausero MA, Dancisak BB, Gorden KB, Davis G, Gray GS, Orchard PJ, Blazar BR. B7-1 expression decreases tumorigenicity and induces partial systemic immunity to murine neuroblastoma deficient in major histocompatibility complex and costimulatory molecules. *Cancer Gene Ther* 1995 Mar;2(1):39-46. PMID: 7542553
 20. Bausero MA, Panoskaltis-Mortari A, Blazar BR, **Katsanis E**. Effective immunization against neuroblastoma using double-transduced tumor cells secreting GM-CSF and interferon-gamma. *J Immunother* 1996 Mar;19(2):113-24. PMID: 8732694
 21. **Katsanis E**, Bausero MA, Panoskaltis-Mortari A, Dancisak BB, Xu Z, Orchard PJ, Davis CG, Blazar BR. Irradiation of singly and doubly transduced murine neuroblastoma cells expressing B7-1 and producing interferon-gamma reduces their capacity to induce systemic immunity. *Cancer Gene Ther* 1996 Mar-Apr;3(2):75-82. PMID: 8729905
 22. Orchard PJ, **Katsanis E**, Boyer M, May C, McIvor RS, Blazar BR. Interleukin-2 secretion by transduced and unselected BDL-2 lymphoma results in increased survival in mice with previously established disseminated disease. *Cancer Biother Radiopharm* 1996 Apr;11(2):155-64. PMID: 10851532
 23. **Katsanis E**, Xu Z, Panoskaltis-Mortari A, Weisdorf DJ, Widmer MB, Blazar BR. IL-15 administration following syngeneic bone marrow transplantation prolongs survival of lymphoma bearing mice. *Transplantation* 1996 Sep 27;62(6):872-5. PMID: 8824494
 24. Saltzman DA, **Katsanis E**, Heise CP, Hasz DE, Vigdorovich V, Kelly SM, Curtiss R 3rd, Leonard AS, Anderson PM. Antitumor mechanisms of attenuated *Salmonella typhimurium* containing the gene for human interleukin-2: a novel antitumor agent? *J Pediatr Surg* 1997 Feb;32(2):301-6. PMID: 9044141
 25. Davies SM, Wagner JE, Shu XO, Blazar BR, **Katsanis E**, Orchard PJ, Kersey JH, Dusenbery KE, Weisdorf DJ, McGlave PB, Ramsay NK. Unrelated donor bone marrow transplantation for children with acute leukemia. *J Clin Oncol* 1997 Feb;15(2):557-65. PMID: 9053477
 26. Xu Z, **Katsanis E**. Improved immunostimulatory function of bone marrow derived macrophages transduced with the granulocyte-macrophage colony stimulating factor gene. *Cancer Biother Radiopharm* 1997 Feb; 12(1):27-36. PMID: 10851444



27. Saltzman DA, **Katsanis E**, Heise CP, Hasz DE, Kelly SM, Curtiss R 3rd, Leonard AS, Anderson PM. Patterns of hepatic and splenic colonization by an attenuated strain of *Salmonella typhimurium* containing the gene for human interleukin-2: a novel anti-tumor agent. *Cancer Biother Radiopharm* 1997 Feb;12(1):37-45. PMID: 10851445
28. Davies SM, Wagner JE, Defor T, Blazar BR, **Katsanis E**, Kersey JH, Orchard PJ, McGlave PB, Weisdorf DJ, Ramsay NK. Unrelated donor bone marrow transplantation for children and adolescents with aplastic anaemia or myelodysplasia. *Br J Haematol* 1997 Mar;96(4):749-56. PMID: 9074418
29. Khanna C, Anderson PM, Hasz DE, **Katsanis E**, Neville M, Klausner JS. Interleukin-2 liposome inhalation therapy is safe and effective for dogs with spontaneous pulmonary metastases. *Cancer* 1997 Apr 1;79(7):1409-21. PMID: 9083164
30. Miller JS, Tessmer-Tuck J, Pierson BA, Weisdorf D, McGlave P, Blazar BR, **Katsanis E**, Verfaillie C, Lebkowski J, Radford J Jr, Burns LJ. Low dose subcutaneous interleukin-2 after autologous transplantation generates sustained in vivo natural killer cell activity. *Biol Blood Marrow Transplant* 1997 Apr;3(1):34-44. PMID: 9209739
31. Boyer MW, Vallera DA, Taylor PA, Gray GS, **Katsanis E**, Gorden K, Orchard PJ, Blazar BR. The role of B7 costimulation by murine acute myeloid leukemia in the generation and function of a CD8+ T-cell line with potent in vivo graft-versus-leukemia properties. *Blood* 1997 May 1;89(9):3477-85. PMID: 9129056
32. Khanna C, Waldrep JC, Anderson PM, Weichelbaum RW, Hasz DE, **Katsanis E**, Klausner JS. Nebulized interleukin 2 liposomes: aerosol characteristics and biodistribution. *J Pharm Pharmacol* 1997 Oct;49(10):960-71. PMID: 9364403
33. **Katsanis E**, Weisdorf DJ, Miller JS. Activated peripheral blood mononuclear cells from patients receiving subcutaneous interleukin-2 following autologous stem cell transplantation prolong survival of SCID mice bearing human lymphoma. *Bone Marrow Transplant* 1998 Jul;22(2):185-91. PMID: 9707028
34. Perentesis J, **Katsanis E**, DeFor T, Neglia J, Ramsay N. Autologous stem cell transplantation for high-risk pediatric solid tumors. *Bone Marrow Transplant* 1999 Sep;24(6):609-15. PMID: 10490725
35. Graner M, Raymond A, Romney D, He L, Whitesell L, **Katsanis E**. Immunoprotective activities of multiple chaperone proteins isolated from murine B-cell leukemia/lymphoma. *Clin Cancer Res* 2000 Mar;6(3):909-15. PMID: 10741715
36. Yorgin PD, Hartson SD, Fella AM, Scroggins BT, Huang W, **Katsanis E**, Couchman JM, Matts RL, Whitesell L. Effects of geldanamycin, a heat-shock protein 90-binding agent, on T cell function and T cell nonreceptor protein tyrosine kinases. *J Immunol* 2000 Mar 15;164(6):2915-23. PMID: 10706677
37. Graner M, Raymond A, Akporiaye E, **Katsanis E**. Tumor-derived multiple chaperone enrichment by free-solution isoelectric focusing yields potent antitumor vaccines. *Cancer Immunol Immunother* 2000 Nov;49(9):476-84. PMID: 11092614
38. McEarchern JA, Kobie JJ, Mack V, Wu RS, Meade-Tollin L, Arteaga CL, Dumont N, Besselsen D, Seftor E, Hendrix MJ, **Katsanis E**, Akporiaye ET. Invasion and metastasis of a mammary tumor involves TGF-beta signaling. *Int J Cancer* 2001 Jan 1;91(1):76-82. PMID: 11149423
39. He L, Feng H, Raymond A, Kreeger M, Zeng Y, Graner M, Whitesell L, **Katsanis E**. Dendritic-cell-peptide immunization provides immunoprotection against bcr-abl-positive leukemia in mice. *Cancer Immunol Immunother* 2001 Mar;50(1):31-40. PMID: 11315508



40. Feng H, Zeng Y, Whitesell L, **Katsanis E**. Stressed apoptotic tumor cells express heat shock proteins and elicit tumor-specific immunity. *Blood* 2001 Jun 1;97(11):3505-12. PMID: 11369644
41. Feng H, Zeng Y, Graner MW, **Katsanis E**. Stressed apoptotic tumor cells stimulate dendritic cells and induce specific cytotoxic T cells. *Blood* 2002 Dec 1;100(12):4108-15. Epub 2002 Jul 25. PMID: 12393401
42. Feng H, Zeng Y, Graner MW, Likhacheva A, **Katsanis E**. Exogenous stress proteins enhance the immunogenicity of apoptotic tumor cells and stimulate antitumor immunity. *Blood* 2003 Jan 1;101(1):245-52. Epub 2002 Aug 22. PMID: 12393411
43. Graner MW, Zeng Y, Feng H, **Katsanis E**. Tumor-derived chaperone-rich cell lysates are effective therapeutic vaccines against a variety of cancers. *Cancer Immunol Immunother* 2003 Apr;52(4):226-34. Epub 2003 Feb 18. PMID: 12669247
44. Zeng Y, Feng H, Graner MW, **Katsanis E**. Tumor-derived, chaperone-rich cell lysate activates dendritic cells and elicits potent antitumor immunity. *Blood* 2003 Jun 1;101(11):4485-91. Epub 2003 Feb 6. PMID: 12576309
45. Feng H, Zeng Y, Graner MW, Whitesell L, **Katsanis E**. Evidence for a Novel, Caspase-8-Independent, Fas Death Domain-Mediated Apoptotic Pathway. *J Biomed Biotechnol* 2004 2004(1):41-51. PMID: 15123887
46. Zeng Y, Graner MW, Feng H, Li G, **Katsanis E**. Imatinib mesylate effectively combines with chaperone-rich cell lysate-loaded dendritic cells to treat bcr-abl+ murine leukemia. *Int J Cancer* 2004 Jun 10;110(2):251-9. PMID: 15069690
47. Graner MW, Likhacheva A, Davis J, Raymond A, Brandenberger J, Romanoski A, Thompson S, Akporiaye E, **Katsanis E**. Cargo from tumor-expressed albumin inhibits T-cell activation and responses. *Cancer Res* 2004 Nov 1;64(21):8085-92. PMID: 15520220
48. Zeng Y, Graner MW, Thompson S, Marron M, **Katsanis E**. Induction of BCR-ABL-specific immunity following vaccination with chaperone-rich cell lysates derived from BCR-ABL+ tumor cells. *Blood* 2005 Mar 1;105(5):2016-22. Epub 2004 Sep 16. PMID: 15374884
49. Ramanathapuram LV, Hahn T, Graner MW, **Katsanis E**, Akporiaye ET. Vesiculated alpha-tocopheryl succinate enhances the anti-tumor effect of dendritic cell vaccines. *Cancer Immunol Immunother* 2006 Feb;55(2):166-77. Epub 2005 Jul 23. PMID: 16041582
50. Chen X, Zeng Y, Li G, Larmonier N, Graner MW, **Katsanis E**. Peritransplantation vaccination with chaperone-rich cell lysate induces antileukemia immunity. *Biol Blood Marrow Transplant* 2006 Mar;12(3):275-83. PMID: 16503496
51. Larmonier N, Mérino D, Nicolas A, Cathelin D, Besson A, Bateman A, Solary E, Martin F, **Katsanis E**, Bonnotte B. Apoptotic, necrotic, or fused tumor cells: an equivalent source of antigen for dendritic cell loading. *Apoptosis* 2006 Sep;11(9):1513-24. PMID: 16738802
52. Zeng Y, Chen X, Larmonier N, Larmonier C, Li G, Sepassi M, Marron M, Andreansky S, **Katsanis E**. Natural killer cells play a key role in the antitumor immunity generated by chaperone-rich cell lysate vaccination. *Int J Cancer* 2006 Dec 1;119(11):2624-31. PMID: 16989012
53. Larmonier N, Marron M, Zeng Y, Cantrell J, Romanoski A, Sepassi M, Thompson S, Chen X, Andreansky S, **Katsanis E**. Tumor-derived CD4(+)CD25(+) regulatory T cell suppression of dendritic cell function involves TGF-beta and IL-10. *Cancer Immunol Immunother* 2007 Jan;56(1):48-59. Epub 2006 Apr 13. PMID: 16612596
54. Chen X, Zhou B, Li M, Deng Q, Wu X, Le X, Wu C, Larmonier N, Zhang W, Zhang H, Wang H, **Katsanis E**. CD4(+)CD25(+)FoxP3(+) regulatory T cells suppress Mycobacterium tuberculosis



- immunity in patients with active disease. *Clin Immunol* 2007 Apr;123(1):50-9. Epub 2007 Jan 17. PMID: 17234458
55. Li G, Zeng Y, Chen X, Larmonier N, Sepassi M, Graner MW, Andreansky S, Brewer MA, **Katsanis E**. Human ovarian tumour-derived chaperone-rich cell lysate (CRCL) elicits T cell responses in vitro. *Clin Exp Immunol* 2007 Apr;148(1):136-45. PMID: 17349014
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60. Zeng Y., Graner M.W., Feng H., Li G., Katsanis E. Imatinib mesylate effectively combines with chaperone-rich cell lysate loaded dendritic cells to treat bcr-abl+ murine leukemia. *Blood* 102:322b, 2003.
61. Davis J.M., Romanoski M.A., Likhacheva A., Raymond A., Brandenberger J., Graner M.W., Katsanis E. The immunosuppressive effects and biochemistry of tumor expressed albumin. Presented at the American Association for Cancer Research Meeting, Orlando, Florida, March 2004. *Proc Am Assoc Cancer Res* 45:2172, 2004.
62. Kislin K. L., Graner M.W., Katsanis E. Peptide-loaded chaperone-rich cell lysates may enhance the effectiveness of anti-cancer vaccines. Presented at the American Association for Cancer Research, Orlando, Florida, March 2004. *Proc Am Assoc Cancer Res* 45:5457, 2004.
63. Akporiaye E., Ramanathapuram L., Kobie J.J., Katsanis E., Graner M. Cytoreduction and immunostimulation: Properties of α -tocopheryl succinate that enhance the effectiveness of dendritic cells in treating established murine lung cancer. Presented at the American Institute for Cancer Research, Washington DC, July 2004. *Journal of Nutrition* 134 (12): 3545s-3545s Suppl. S, 2004.
64. Li G., Zeng Y., Chen X., Sepassi M., Romanoski M.A., Thompson S., Graner M.W., Brewer M.A., Katsanis E. Human ovarian tumor-derived chaperone-rich cell lysates (CRCL) activate dendritic cells and elicit T cell responses in vitro. Presented at the 19th Meeting of the Society of Biological Therapy, San Francisco, California, December 2004. *Journal of Immunotherapy* 27 (6): S26-S27 2004.
65. Chen X., Zeng Y., Li G., Thompson S., Sepassi M., Romanoski M.A., Graner M.W., Katsanis E. Tumor-derived chaperone-rich cell lysate (CRCL) can be effectively combined with syngeneic bone marrow transplantation to treat bcr-abl+ leukemia in a murine model. Presented at the American Society of Hematology, San Diego, California, December 2004. *Blood* 104:811a, 2004.
66. Zeng Y., Cai X., Larmonier N., Katsanis E. Chaperone Rich Cell Lysates (CRCL) activate innate immune responses. Presented at the Keystone Symposia on Inflammation and Cancer, Breckenridge, Colorado, February 2005.
67. Larmonier N., Zeng Y., Marron M., Thompson S., Katsanis E. Role of CD4⁺CD25⁺ regulatory T cells in the immune response to chaperone rich cell lysate (CRCL) -based vaccination against a BCR-ABL⁺ leukemia. Presented at the Keystone Symposia on Basic Aspects of Tumor Immunology, Keystone, Colorado, March 2005.
68. Cai X., Zeng Y., Marron M., Katsanis E. Tumor-derived chaperone rich cell lysates (CRCL) activate the innate immune system. Presented at the American Association for Cancer Research Meeting, Anaheim, California, April 2005. *Proc Am Assoc Cancer Res* 46:6048, 2005.



69. Kislin K.L., Graner M.W., Marron M.T., Katsanis E. Chaperone-rich cell lysate (CRCL) possesses a high carrying capacity for antigenic peptides leading to enhanced CTL activation. Presented at the American Association for Cancer Research Meeting, Anaheim, California, April 2005. Proc Am Assoc Cancer Res 46:5169, 2005.
70. Bleifuss E., Thompson S., Milani V., Graner M, Noessner E., Katsanis E., Issels R. Chaperone rich cell lysates (CRCL) as human anti tumour vaccines. Presented at the 22nd meeting of the European Society for Hyperthermic Oncology, Graz, Austria, June 2005.
71. Andreansky S., Li G., Sepassi M., Katsanis E. A multi-chaperoned heat shock protein based tumor vaccine can generate humoral immunity in a HER-2/neu specific mouse tumor model. Presented at the Sixth Arizona Biosciences Research Symposium, Phoenix, Arizona, June 2006.
72. Cantrell J., Cai X., Zeng Y., Larmonier N., Katsanis E. Adjuvant Effect of CRCL: Activation of dendritic cells and macrophages. Presented at the Sixth Arizona Biosciences Research Symposium, Phoenix, Arizona, June 2006.
73. Kislin K.L., Graner M.W., Li G., Marron M., Katsanis E. Chaperone-Rich Cell Lysate embedded with exogenous peptides demonstrates enhanced anti-tumor activity. Presented at the Sixth Arizona Biosciences Research Symposium, Phoenix, Arizona, June 2006.
74. Larmonier N., Cantrell J., Katsanis E. Modulation of regulatory T lymphocyte-induced suppression of antigen presenting cells by tumor cell lysates enriched in chaperone proteins. Presented at the AACR Special Conference, Tumor Immunology: an integrated perspective, Miami, Florida, November 2006.
75. Li G, Andreansky S, Chen X, Penichet M, Katsanis E. Tumor-derived Chaperone-Rich Cell Lysate generates HER-2/neu specific immunity in a mouse model of breast cancer. Presented at the American Association for Cancer Research Meeting, Los Angeles, California, April 2007. Proc Am Assoc Cancer Res 48: LB-337, 2007.
76. Fiederlein R, Salamon D, Berg MP, Katsanis E, Graham M. Assessment of cell recovery obtained from cord blood units from different banks following thawing and cell washing. Presented at the American Association of Blood Banks Meeting, Anaheim, California, October 2007.
77. Graham ML., Andreansky M., Katsanis E., Wood T.S., Hutter J.J. Busulfan and single-dose melphalan as preparative therapy for infants and young children undergoing stem cell transplantation for leukemia: A single center experience. Biology of Blood and Marrow Transplantation 14:87-88, Suppl. 2. # 236 February 2008
78. Fraszczak J, Trad M, Dominique C, Janikashvili N, Katsanis E, Bonnotte B, and Larmonier N. Peroxynitrite-dependent killing of cancer cells and presentation of released tumor antigens by activated dendritic cells. Club Francophone des Cellules Dendritiques, Paris, France, March 2009.
79. Situ E, Katsanis E, Larmonier N. Influence of imatinib mesylate on bone marrow-derived dendritic cells. Journal of Investigative Medicine. Volume: 58 Issue: 1 Page: 193, #313, Jan 2010.
80. Wright J, Larmonier N, Katsanis E. Conversion inhibition of naive T lymphocytes into regulatory T cells by killer dendritic cells. Journal of Investigative Medicine. Volume: 58 Issue: 1 Page: 216, #395, Jan 2010.
81. LaCasse CJ, Janikashvili N, Katsanis E, Larmonier N. Th-1 lymphocytes promote dendritic cell tumoricidal activity. AACR Tumor Immunology: Basic and Clinical Advances conference. Miami, Florida December 2010.
82. Har-Noy M, Lausoontornsiri W, Or R, Katsanis E. Response of HER2+ breast cancer patients to allogeneic cell immunotherapy. J Clin Oncol 30, 2012 (suppl; abstr e13013)



83. Janikashvili N, LaCasse C, Hanke N, Gautheron A, Trad M, Ciudad M, Katsanis E, Bonnotte B and Larmonier N. IFN- γ promotes mouse bone-marrow dendritic cell cytotoxic function through STAT-1. Annual congress on Dendritic Cells (Club Francophone des Cellules Dendritiques, CFCD), Pasteur Institute, Paris, France, December 2012.
84. Trad M, Janikashvili N, Fraszczak J, Larmonier C, LaCasse C, Alizadeh D, Centuori S, Bonnefoy F, Perruche S, Katsanis E, Larmonier N* and Bonnotte B*. Immunosuppressive function of tumor-infiltrating dendritic cells mediated by exo-enzyme CD39. Annual congress on Dendritic Cells (Club Francophone des Cellules Dendritiques, CFCD), Pasteur Institute, Paris, France, December 2012.
85. Alizadeh D, Trad M, Hanke N, Larmonier C, Bonnotte B, Katsanis E, Larmonier N. Doxorubicin eliminates tumor-induced myeloid-derived suppressor cells and enhances T-helper lymphocyte-based immunotherapy in a murine breast cancer model. Presented at the American Association for Cancer Research Meeting, Washington, DC, April 2013. Proc Am Assoc Cancer Res 2013.



GRANT SUPPORT Federal Government

Medical Research Council of Canada Fellowship

Identification of mechanisms of immunosuppression

7/1/89 - 6/30/91

Total Direct Costs: \$80,000

PI: Katsanis (100%)

NIH P01 CA21737

Autologous bone marrow transplantation for lymphoma: Immunotherapeutic studies

3/1/92-12/31/96

Total Direct Costs: \$520,000

PI: Kersey, PI Project #3: Weisdorf, Co-PI Project #3 Katsanis (15%)

Department of Defense DAMD17-03-1-0208

Chronic Myelogenous Leukemia Research Program

Chaperone rich cell lysate (CRCL) vaccine for chronic myelogenous leukemia

5/22/03 - 5/21/06 relinquished 2/29/04 due to funding of NIH R01 CA104926

Total Direct Costs: \$483,501

PI: Katsanis (25%)

NIH R21 CA102410

Multiple chaperone complexes: Natural adjuvants and antigens for dendritic cell based vaccines

7/1/03 - 6/30/06

Total Direct Costs: \$300,000

PI: Katsanis (20%)

NIH R01 CA104926-1

Chaperone rich cell lysate (CRCL) vaccine for chronic myelogenous leukemia

3/1/04 - 2/29/09

Total Direct Costs: \$738,000

PI: Katsanis (25%)

NIH R01 CA104926-5

Immunotherapy for chronic myelogenous leukemia

7/1/09 - 4/30/14

Total Direct Costs: \$900,935

PI: Katsanis (25%)

NIH R01 NR010889

Childhood leukemia: Oxidative stress, cognitive changes & academic outcomes

6/1/09 - 3/31/14

Total Direct Costs: \$2,089,367

PI: Moore, Co-investigator: Katsanis (5%)



GRANT SUPPORT State Government

Arizona Disease Control Research Commission

Improvement of anticancer immune responses generated by chaperone protein associated tumor peptides 7/1/99 - 6/30/01

Total Direct Costs: \$392,791

PI: Katsanis

Arizona Disease Control Research Commission

Development of antisense oligonucleotides as chemotherapeutic agents for intratumoral administration 7/1/99 - 6/30/01

Total Direct Costs: \$383,032

PI: Whitesell, Co-Investigator: Katsanis

Arizona Disease Control Research Commission

Heat shock proteins as targets for drug discovery

7/1/01 - 6/30/03

Total Direct Costs: \$367,236

PI: Whitesell, Co-Investigator: Katsanis

Arizona Disease Control Research Commission (#8-028)

Chaperone rich cell lysate vaccine for ovarian cancer

7/1/03 - 6/30/06

Total Direct Costs: \$273, 828

PI: Katsanis



GRANT SUPPORT National Private Foundations

Canadian Cancer Society Fellowship, Gordon E. Richard Award

Treatment of pediatric cancers
7/1/86 - 6/30/87
Total Direct Costs: \$34,440
PI: Katsanis

Ronald McDonald Children's Charities

Use of immunochemotherapeutic agents against murine neuroblastoma
10/1/91 - 9/30/92
Total Direct Costs: \$17,350
PI: Katsanis

American Cancer Society Clinical Oncology Career Development Award 93-30,

Generation of a specific immune response against neuroblastoma
7/1/93 - 6/30/96
Total Direct Costs: \$90,000
PI: Katsanis (50%)

Cancer Research Foundation of America

Development of anti-tumor vaccines for neuroblastoma
10/1/94 - 9/30/95
Total Direct Costs: \$30,000
PI: Katsanis

Concern Foundation for Cancer Research

Induction of antitumor immunity against neuroblastoma by gene modified antigen presenting cells
1/1/96 - 6/30/98
Total Direct Costs: \$35,120
PI: Katsanis

American Cancer Society IM-785

Augmentation of anti-tumor T cell responses by GM-CSF activated antigen presenting cells 1/1/
96 - 12/31/99
Total Direct Costs: \$255,200
PI: Katsanis (25%)

W.M. Keck Foundation

Development of tumor-specific immunity in transgenic mice
7/1/98 - 6/30/01
Total Direct Costs: \$165,000
PI of project #4: Katsanis

Leukemia and Lymphoma Society, Translational Research Grant

Analysis of T cell response to the bcr/abl gene product
12/31/98-12/30/02
Total Direct Costs: \$300,000
PI: Katsanis (20%)



Hyundai Hope Research Grant Program

Combinatory immunotherapy for relapsed acute leukemia following hematopoietic stem cell transplantation

12/1/11-11/30/13

Total Direct Costs: \$100,000

PI: Katsanis

GRANT SUPPORT Local Private Foundations (>\$20,000)

Tee up for Tots

Courtney Page Zillman Doctoral Fellowship Program

7/1/00-6/30/13

Total Direct Costs: \$275,000

PI: Katsanis

iMAGine

Leukemia research

7/1/10-6/30/13

Total Direct Costs: \$30,000

PI: Katsanis

People Acting Now Discovering Answers (PANDA)

Children's Cancer Immunology Program

7/1/10-6/30/12

Total Direct Costs: \$200,000

PI: Katsanis

Angel Charity for Children

Translating pediatric cancer research to clinical trials

3/1/14-2/28/16

Total Direct Costs: \$480,000

PI: Katsanis



PATENTS

Methods of recovering chaperone proteins and complexes thereof

Patent Filed: March 5, 2002,

Approved: April 5, 2005

U.S. Patent No. 6,875,849

Vaccine compositions and methods

Patent Filed: May 5, 2008

Serial No. 12/434,168



PRIMARY MENTOR

Leukemia and Lymphoma Society Fellow Award

Modulation of regulatory T cell suppressive activity by chaperone rich cell lysate
7/1/06-6/28/09
Total Direct Costs: \$141,000
N. Larmonier

NIH K23 CA107450

Hsp90 as a target for the treatment of childhood cancer
9/1/06-8/31/11
Total Direct Costs: \$552,500
R. Bagatell

America Cancer Society, Mentored Research Scholars Grant

A multi-epitope heat shock protein based tumor vaccine against HER-2 cancers
1/1/08-12/31/12
Total Direct Costs: \$585,000
S. Andreansky

Alex's Lemonade Stand Foundation for Childhood Cancer Young Investigator Award

Reciprocal interactions between tumor killer DC and tumor-induced Treg
7/1/08-6/30/10
Total Direct Costs: \$80,000
N. Larmonier

NIH K08 AR054323

Characterization of pathogenic Th17 responses in collagen induced arthritis
7/1/09-6/30/14
Total Direct Costs: \$587,500
S. Sarkar

Hyundai Scholar Grant

Assessment of pain during IT chemotherapy
9/1/11-8/30/13
Total Direct Costs: \$50,000
P. Gupta

NIH Lymphoma SPORE

Career Development Program in Lymphoma Research
Investigating novel prognostic markers and therapeutic targets for lymphoma
7/1/13-6/30/13
Total Direct Costs: \$25,000
Y. Zeng

Hyundai Scholar Grant

Experimental reduced intensity haploidentical hematopoietic stem cell transplant (HSCT) for pediatric solid tumors
9/1/13-8/30/15
Total Direct Costs: \$75,000
L. Kopp



MENTORING ACTIVITIES (University of Arizona)

Junior Faculty Mentor

Nicolas Larmonier, Ph.D., Research Assistant Professor Pediatrics, 7/06-6/09, LLS Fellow
 Rochelle Bagatell, M.D., Associate Professor Pediatrics, 9/06-8/11, NIH K23 award
 Samita Andreansky, Ph.D., Res. Assistant Prof, 1/08-12/12, ACS Mentored Research Scholar
 Sujata Sarkar, M.D., Assistant Professor Medicine 7/09- NIH K08 award

Junior Faculty Research Committees

Nicolas Larmonier, Ph.D., Habilitation à Diriger des Recherches, Université de Bourgogne, 2008

Postgraduate Level Mentor

Adnan Sarcevic, M.D., M.S. 4/97 - 10/97 ⇒ Adjunct Assistant Professor, Albert Einstein COM
 Lin He, M.D., M.S. 7/97 - 12/99 ⇒ Post-Doc, Northwestern University
 Michael Graner, Ph.D. 8/97 - 6/04 ⇒ Associate Professor, University of Colorado
 Yi Zeng, M.D., Ph.D. 8/03 – 5/06 ⇒ Assistant Professor, University of Arizona
 Nicolas Larmonier, Ph.D. 8/04 – 12/06 ⇒ Associate Professor, University of Arizona
 Nona Janikashvili, Ph.D. 1/07 – 3/10 ⇒ Post-Doc, Université de Bourgogne
 Gang Li, Ph.D., 3/07 – 8/08 ⇒ School of Dentistry, University of Minnesota
 Raquel Bravo, M.D., 7/09- 6/11 ⇒ School of Public Health, University of Arizona
 Collin J. LaCasse, Ph.D., 5/11 - 12/12

Graduate Level Mentor

Hanping Feng, Ph.D., Immunology, 2/99 - 7/02 ⇒ Associate Professor, University of Maryland
 Yi Zeng, M.D., Ph.D., Immunology, 9/99 - 8/03 ⇒ Assistant Professor, University of Arizona
 Xinchun Chen, M.D., Ph.D. Immunology, 8/02 – 11/06 ⇒ Professor, Shenzhen -Hong Kong Institute
 Kerri Kislin, Ph.D., Cancer Biology, 3/03 – 9/06 ⇒ Translational Genomics Research Institute
 Gang Li, Ph.D., Immunology, 8/02 – 3/07 ⇒ School of Dentistry, University of Minnesota
 Jessica Cantrell, Ph.D., Cancer Biology, 7/05 – 5/09 ⇒ U. of Colorado, C. of Veterinary Medicine
 Collin J. LaCasse, Ph.D., Immunobiology, 12/06- 5/11 ⇒ Post-Doc, University of Arizona
 Tamara Lundeen, M.S., Immunobiology, 8/08 – 8/09 withdrew ⇒ Medical School, U. of Arizona
 Sara Bustamante, Ph.D., Cancer Biology, 4/08 - 5/11 ⇒ Post-Doc, University of Arizona
 Neale Hanke, Ph.D., Cancer Biology 3/10- 12/12 ⇒ Post-Doc, University of Arizona
 Darya Alizadeh, Cancer Biology 2/11- present
 Alexis Bucknam, Immunobiology 2/11 - 6/12 withdrew
 Martin Asimis, Molecular and Cell Biology 5/12 - present

Graduate Level Supervisory Committees (not primary mentor)

John Richards, Ph.D. Immunology, 1998 - 2002
 James Kobie, Ph.D. Immunology, 1999 - 2003
 Tong Zhang, Ph.D. Immunology, 1999 - 2003



Vivian Mack, M.S. Immunology, 1999 - 2004
Lalitha Ramanathapuram, Ph.D. Immunology 2002 - 2006
Naihsuan Guy, M.S. Immunobiology, 2005 - 2006
Matthew Rausch, Ph.D. Immunobiology, 2005 - 2009
Maria Ordaz, M.S. Immunobiology, 2006 - 2009
Lora Grainger, Ph.D. Immunobiology, 2006 - 2010
Claire Larmonier, Ph.D. Immunobiology, 2007 - 2010

Graduate Level (laboratory Rotations)

Suzanne Stratton, Cancer Biology 9/97 - 12/97
Manolis Demetriou, Cancer Biology 9/99 - 12/99
Elizabeth Tyszka, Cancer Biology 8/00 - 12/00
Michael DeNiro, Cancer Biology 5/02 - 7/02
Maria Ordaz, Immunobiology 4/05 - 9/05
Mark Teng, Cancer Biology 1/08 - 4/08
Rajalakshmy Ramalingam, Immunobiology 4/08 - 6/08

Undergraduate Level Mentor

Davis Romney, 11/97 - 5/98, ⇒ Medical School, University of Virginia
Amber Kyle, 5/99 - 12/99, ⇒ Medical School, University of Michigan
Nicole Davis, 5/98 - 12/99, ⇒ School of Public Health, Drexel University
Hector Sandoval, 6/99 - 5/00, ⇒ Graduate School, Baylor University
Amy Raymond, 1/99 - 6/00, ⇒ Graduate School, UC San Diego
Susan Hoy, 11/98 - 12/00, ⇒ Graduate School, University of Colorado
Kamalesh Ramaiya, 5/99 - 5/01, ⇒ Medical School, University of Arizona
Jared Brandenberger, 6/00 - 5/02, ⇒ Medical School, University of Arizona
Anna Likhacheva, 5/00 - 5/03, ⇒ Medical School, University of Arizona
Jane Davis, 5/02 - 5/04, ⇒ Medical School, University of Arizona
Sylvia Thompson, 5/03 - 4/05, ⇒ Medical School, University of Arizona
M. Angela Romanoski, 5/03 - 7/05, ⇒ Medical School, University of Arizona
Xuemei Cai, 2/03 - 7/05, ⇒ Medical School, Harvard University
Marjan Sepassi, 3/04 - 8/07, ⇒ School of Pharmacy, University of Arizona
Elaine Situ, 8/06 - 5/09 ⇒ Medical School, University of Arizona
Amanda Herrell, 1/08 - 5/10 ⇒ US Peace Corps
Leila Amini, 9/10 - 6/11
Jessica Stokes, 1/12 -
Evangelia Assimacopoulos 9/12 -



Minority Health Disparities Summer Research Program

Irene Adu-Gyamfi, 6/06 - 8/06

Minority Research Training Program

Bradley Bowman, 6/09 - 8/09

Medical Student Research Program

Jason Wright, 5/08 - 7/10

Elaine Situ, 5/09 - 7/10

Ellie Hutchison, 5/13-

Latin American Summer Research Program

Maria Fernanda Acosta Sanchez Aldana, 6/12 - 8/12

Pediatric Resident Clinical Advisor

Alejandro de la Torre, M.D., 7/04 – 6/07

Nathan Price, M.D., 7-07 – 6/08

Kiran Kulkarni, M.D., 7-08 - 6/11



TEACHING ACTIVITIES (2000-present)

Graduate School Courses

Clinical Cancer Biology CBIO 561, **Course Director, 2008-2013**

Clinical Cancer Biology CBIO 561
Neuroblastoma, 2008
Pediatric Leukemia, 2009
Hematopoietic stem cell transplantation, 2011
Hematopoietic stem cell transplantation, 2013

Cancer Therapeutics CBIO 555,
Cancer Immunotherapy, 2009

Cancer Immunology and Immunotherapy CBIO 565
Cytokines & adoptive cell transfer, 2010
Bone marrow transplantation, 2010
Cancer vaccines, 2010
Biology of Hematopoietic cell transplantation, 2013

Medical School Courses

Medical Microbiology/Immunology 801/501 (Facilitator, Clinical correlates)
Lymphoma, 2000
Autoimmunity, 2000
Transplantation, 2000
Transplantation, 2001

Dean's Rounds (Facilitator)
Cultural competency and the cross-cultural interview, 2004

Cancer Block (AZ Med)
Pediatric Leukemias, 2008
Pediatric Leukemias, 2009
Anemia, 2009
Acute Lymphoblastic Leukemia CBI Case Conference, 2009

Advance Topics Block (AZ Med)
Anemia, 2010
Acute Leukemia, 2010
Acute Lymphoblastic Leukemia CBI Case Conference, 2010

Resident Teaching Conferences

Pediatric stem cell transplantation: an overview, 2001
Cancer chemotherapy, 2001
Supportive care for the pediatric oncology patient, 2001
Blood transfusions, 2002
Oncologic emergencies, 2002
Childhood leukemias, 2002



Diagnostic approach to the child with anemia, 2003
Acute lymphoblastic leukemia, 2004
Bleeding disorders in children, 2005
Childhood leukemias, 2006
Pediatric lymphomas, 2006
Supportive care for children with cancer, 2007

Nursing Teaching Conferences

Infections following stem cell transplantation, 2000
Acute lymphoblastic leukemia, 2006
Tumor lysis syndrome, 2006

Clinical Teaching

Medical Student Attending, General Pediatrics (3 wk/yr), 1997- 2009
Pediatric Residents and Medical Students: Ward team and electives 1997-present