

CURRICULUM VITAE

THOMAS FRANK GAJEWSKI, M.D., Ph.D.

Updated 11-01-18

Personal Data:

Date of birth: April 5, 1962
Place of birth: Chicago, Illinois, USA
Home address: 5404 South Ellis
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Education:

1980-1984 University of Chicago
B.A., Biology - June, 1984
1986-1989 University of Chicago
Ph.D., Immunology, with Dr. Frank Fitch - December, 1989
1984-1991 University of Chicago, Pritzker School of Medicine
M.D. - June, 1991

Postdoctoral Training:

1989-1993 Postdoctoral Research
(Part time)
Dr. Frank Fitch
University of Chicago
1991-1993 Intern and Resident
Department of Internal Medicine
University of Chicago
1993-1995 Postdoctoral Research
Dr. Thierry Boon
Ludwig Institute for Cancer Research
Brussels, Belgium
1993-1997 Fellow, Section of Hematology/Oncology,
Clinical Investigator Pathway
Department of Medicine
University of Chicago

Professional Appointments:

2017- Abbvie Professor in Cancer Immunotherapy
2009- Professor with Tenure, Department of Pathology, Department of Medicine
Section of Hematology/Oncology, and the Ben May Institute
2004- Associate Professor with Tenure, Department of Pathology, Department
of Medicine Section of Hematology/Oncology, and the Ben May Institute

2000-	Assistant Professor, Ben May Institute
1999-	Committee on Cancer Biology member, University of Chicago
1998-	Investigator, Cancer Research Center, University of Chicago <ul style="list-style-type: none"> • UCCRC Immunology Program Leader (2002-) • Director, Human Immunologic Monitoring Facility (2001-)
1997-	Committee on Immunology member, University of Chicago
1997-2004	Assistant Professor, Department of Pathology, University of Chicago
1997-2004	Assistant Professor, Department of Medicine, Section of Hematology/Oncology, University of Chicago <ul style="list-style-type: none"> • Director, Melanoma Oncology
1993-1995	Investigator, Ludwig Institute for Cancer Research, Brussels Branch, Brussels, Belgium

Licensure and Certification:

1995	Medical License, State of Illinois
1996	Board Certified, Internal Medicine
1998	Board Certified, Medical Oncology

Honors and Awards:

1984	Garber Summer Research Fellowship
1984	B.A. with Honors
1985	NIH Summer Research Grant
1984-1986	Achievement Reward for College Scientists (ARCS)
1986-1991	Growth and Development Training Grant (M.D./Ph.D.)
1991	Dr. Harold Lamport Biomedical Research award, for the best dissertation in biomedical research
1991	M.D. with Honors
1993-1995	Fellowship award, International Institute for Cellular and Molecular Pathology (ICP, Brussels)
1995-1997	Scholar Award, V-Foundation for Cancer Research
1996	Central Society of Clinical Investigation Trainee Award
1997-2000	Clinical Associate Physician Award (General Clinical Research Center, NIH; predecessor to K08)
1997-2000	McDonnell Scholar Award for Molecular Oncology
1998-2002	Clinical Investigator Award, Cancer Research Institute
2000-2005	Burroughs Wellcome Fund Clinical Scientist Award for Translational Research
2006-	Inducted into ASCI (American Society for Clinical Investigation)
2007-	Elected into Henry Kunkel Society
2010-2012	President, Society for Immunotherapy of Cancer (SITC)
2015	SITC Top Volunteer Award
2015	SITC Spirit Award for the band “The Checkpoints”
2016	American Cancer Society-Jules L. Plangere Jr. Family Foundation Professorship in Cancer Immunotherapy
2016	Weir Lectureship, Texas Tech University, Amarillo, TX
2016	Distinguished Professor, University of Chicago
2016	Melanoma Research Foundation Humanitarian Award
2017	Chicago’s Best Doctors
2017	Staffileno Memorial Lectureship, NorthShore University Health

2017	Kimura Memorial Lectureship, Nagoya, Japan
2017	Hickam Endowed Lectureship, CSCTR, Chicago, IL
2017	Miller Memorial Lectureship, South Dakota State University
2017	Emily Frederick DiMaggio Lectureship, Dana Farber Cancer Center
2017	Giants of Cancer Care “Immuno-oncology”, OncLive
2017	AbbVie Foundation Endowed Professorship in Cancer Immunotherapy
2017	William B. Coley Award
2018	Joseph R. Bove M.D. Memorial Lectureship, Yale Cancer Center
2018	Oliver Langenberg PSTP lecturer, Washington University School of Medicine
2018	Cancer Immunology Research, most cited paper of 2016
2018	Presidential speaker, SEOM conference, Madrid

Memberships in Professional Societies:

American Association of Immunologists (AAI)
 American Society of Clinical Oncology (ASCO)
 American Association for Cancer Research (AACR)
 Society for ImmunoTherapy of Cancer (SITC)
 American Society for Clinical Investigation (ASCI)
 Sigma Xi

Other Professional Activities:

Oncology Cooperative Groups:

Cadre member, CALGB Melanoma Working Group, 2001-2006
 Founding member, Cancer Immunotherapy Trials Network (CITN), 2011-

Manuscript Reviewer:

American Journal of Medicine, Blood, British Journal of Cancer, Cancer, Cancer Research, Cancer Immunology Immunotherapy, Cancer Immunology Research, Cell, Cellular Immunology, Clinical Cancer Research, Clinical Immunology, Immunity, International Immunology, International Journal of Cancer, Journal for ImmunoTherapy of Cancer, Journal of Biological Chemistry, Journal of Clinical Investigation, Journal of Clinical Oncology, Journal of Experimental Medicine, Journal of Gene Medicine, Journal of Immunology, Journal of Investigative Dermatology, Journal of Leukocyte Biology, Journal of Virology, Lancet Oncology, Molecular Cancer Therapeutics, Molecular and Cellular Biology, Nature, Nature Immunology, Nature Medicine, Nature Reviews in Cancer, Nature Reviews in Immunology, New England Journal of Medicine, Oncoimmunology, PLOS One, Proceedings of the National Academy of Sciences USA, Science, Trends in Immunology

Editorial Activities:

Associate Editor, Clinical Cancer Research 1999-2002
 Associate Editor, Journal of Immunology, 2002-2006
 Editorial Board, Journal of Clinical Oncology, 2003-2005
 Section Editor, Journal of Immunology, 2006-2010
 Editorial Board, Cancer Research, 2010-2015
 Editorial Board, OncoImmunology, 2011-
 Editorial Board, Journal for Immunotherapy of Cancer (JITC), 2013-

Editorial Board, Cancer discovery, 2017-
Editorial Board, Journal of Experimental Medicine, 2017-

Consultancies:

Genetics Institute, Cambridge, MA; 1998-2001
Pfizer Corporation, Groton, CT; 1999-2001
Valeocyte Therapies, San Diego, CA; 2003
Immune Cell Therapy, Chicago, IL; 2004
Point Therapeutics clinical advisory board, Boston, MA; 2005
Pieris Proteolab AG, Freising, Germany; 2005
Pique Therapeutics, Durham, NC; 2005
Bristol-Myers Squibb Immuno-oncology advisory board, 2005
Pfizer anti-CTLA-4 advisory board, 2005
Medarex advisory board, 2005
Zymogenetics IL-21 advisory board, 2005
GSK cancer vaccine advisory board, 2006
Dendreon advisory panel, 2007
Bristol-Myers Squibb, 2007
Pfizer anti-CTLA-4, 2007
Incyte IDO Advisory, 2008
BMS anti-CTLA-4 Ad board, 2008
Point Therapeutics PT100 Ad board, 2008
Medarex PD-1 Advisory board, 2008
BMS Biomarker Ad Board, 2008
GSK vaccine Ad board, 2009
Eisai Immuno-oncology Ad board, 2009
Eisai cancer vaccine Ad board, 2010
Genzyme immuno-oncology Ad board, 2010
BMS anti-PD-1 Ad board, 2010
BMS Immuno-oncology Ad board, 2010
GSK DERMA trial national Ad board, 2010
Roche B-Raf inhibitor Ad board, 2010
Incyte IDO Ad board, 2011
Merck Ad board, 2011
BMS Immuno-oncology Ad board, 2011
BMS ipilimumab Ad board, 2011
GSK DERMA international steering committee, 2011
BMS anti-PD-1 Ad board, 2011
Roche drug development Ad board, 2011
Boehringer-Ingelheim immunotherapy Ad board, 2011
Amgen vaccine Ad board, 2011
BMS Immuno-oncology Ad board, 2011
BMS Immuno-oncology Ad board, 2012
Roche/Genentech Ad board, 2013
Abbvie oncology Ad board, 2013
Bayer advisory board, 2013
Boehringer-Ingelheim Ad board, 2013
Dendreon Ad board, 2013
Amgen Ad board, 2013
Genentech Ad board, 2013
Flexus Ad board, 2014

Abbvie oncology Ad board, 2014
Bayer advisory board, 2014
Roche/Genentech Ad board 2014
Merck Ad board, 2014
BMS II-ON retreat, 2015
Abbvie advisory board, 2015
Leerink health care summit, 2015
Bayer advisory board, 2015
Abbvie Ad board, 2016
Amgen Ad board, 2016
Cytomx Ad board, 2016
CellDex Ad board 2016
Merck Ad board, 2016
Bayer Ad board, 2016
Janssen Ad board, 2016
Forma Ad board, 2016
Janssen Ad board, 2016
Pfizer Ad board, 2016
Abbvie Ad board, 2016
Aduro Ad board, 2017
Incyte Ad board, 2017
GenMab Ad board, 2017
Adaptimmune Ad board, 2017
iTeos Ad board, 2017
Syndax Ad board, 2017
FivePrime Ad board, 2018

Biotech Start-up

Scientific co-founder, Jounce Therapeutics, 2013-

External Advisories:

University of Pittsburgh, P01 on Cancer Gene Therapy, 2004-2005
University of Virginia Human Immune Therapy Center, 2003-2010
MD Anderson Skin Cancer SPORE, 2003-2008
University of Wisconsin Madison Cancer Center Immunology Program, 2005-2006
University of Pittsburgh Skin Cancer SPORE, 2008-present
University of Pittsburgh P01, Pawel Kalinski PI, 2009-2014
Ohio State University Cancer Center, 2008-2014
Dartmouth Medical School COBRE Immunology program, 2010-2017
Georgetown Cancer Center EAB 2015-
NYU Cancer Center EAB 2015-2018

Grant Review:

NCI Program Project Grants 1997, 1998, 1999, 2002, 2003
Immunobiology (IMB) NIH Ad Hoc 1999
NCI immunotherapy Ad Hoc, 2000
University of Chicago Cancer Research Foundation, 2001
Melanoma Research Foundation, 2001
Experimental Immunology (EI) Ad Hoc, 2002
CALGB Fellow and junior faculty grants, 2003
NCI Skin Cancer SPORE review, 2003

NCI melanoma targeted therapy SEP, 2003
 CALGB Fellow and junior faculty grants, 2004
 NCI Immunotherapy SEP, 2004
 NCI Parent committee ad hoc, 2004
 NCI Myeloma and GU SPORE review 2004
 NCI Clinical Immunotherapy SEP, 2004
 CALGB Fellow and junior faculty grants, 2005
 NCI P01 cluster review, 2005
 NCI P01 review cluster, 2006
 NCI P01 second review cluster, 2006
 NCI external reviewer of LTIB intramural program, 2006
 University of Chicago Cancer Research Foundation, 2006
 Raine Foundation, 2006
 Melanoma Research Foundation, 2006
 University of Chicago ACS grants, 2006
 NCI P01 clinical oncology cluster review, 2007
 University of Chicago Cancer Research Foundation, 2007
 AIRC (Associazione Italiana per la Ricerca sul Cancero), 2007
 Melanoma Research Foundation, 2007
 NCI P01 clinical oncology cluster review, 2008
 AIRC (Associazione Italiana per la Ricerca sul Cancero), 2008
 University of Chicago Cancer Research Foundation, 2008
 NCI P01 clinical oncology cluster review, 2008
 Melanoma Research Foundation, 2008
 University of Chicago ACS grants, 2008
 Fondation Fournier-Majoie pour l'Innovation (FFMI), Belgium, 2008
 NCI P01 clinical oncology cluster review, 2009
 AIRC (Associazione Italiana per la Ricerca sul Cancero), 2009
 NIH CII study section, 2009
 NCI P01 clinical oncology cluster review, 2009
 NCI P01 clinical oncology cluster review, 2010
 NIH GDD study section, 2010
 AIRC (Associazione Italiana per la Ricerca sul Cancero), 2010
 Extramural reviewer for NCI Frederick program, 2010
 External reviewer, Helmholtz, Alliance on Immunotherapy of Cancer, Heidelberg
 Germany, 2011
 NIH CII study section, 2011
 AIRC (Associazione Italiana per la Ricerca sul Cancero), 2011
 Melanoma Research Alliance (MRA) grant review, 2011
 NIH Transformative Research Awards, 2012
 Melanoma Research Alliance (MRA) grant review, 2012
 CPRIT Texas grant review, 2012
 Cancer Research Institute grant review, 2013-present
 Melanoma Research Alliance (MRA) grant review, 2013-present
 NCI R21 grant review, 2013
 CII study section, 2014
 CII study section, permanent member 2014-2018
 Chair, CII study section 2016-2018

University Administrative Committees and other Activities:
 Ben May Institute search committee, 1998-1999 and 1999-2000

Orthopedic Surgery molecular oncology search committee, 1998-1999
 Dean's advisory committee for Committee on Immunology Chairman search, 1999
 Committee on Immunology Curriculum Committee, 2000-present
 Hematology/Oncology Fellowship Selection Committee, 1999-2002
 Committee on Immunology Retreat Committee, 2002-3
 Dean's Aims Action Committee for BSD Research, 2002-3
 Ben May Symposium Committee "Stem Cells in Cancer and Development", 2003-4
 Department of Surgery tumor immunology search committee, 2003
 Section of Dermatology melanoma faculty search committee, 2003
 cGMP oversight committee, 2003-present
 COAP (promotions committee) ad hoc member, 2004, 2007
 UC-HHMI Janelia Farms student training proposal committee, 2004
 UCCRC Metastasis working group, 2005
 UCCRC Drug discovery working group, 2005
 Pritzker Initiative for reforming the medical curriculum, 2006-2008
 Section of Dermatology melanoma search committee, 2006
 Immunology Initiative Task Force, 2006
 Cancer Center standing grant review committee, 2007-present
 Cancer Center clinical research advisory committee (CRAC) 2007-present
 Cancer immunology faculty search committee, 2007-2008
 Pritzker summer research program symposium: Session chair, 2009
 Dean's search committee for the Committee on Immunology, 2011-12
 Annual MSTP retreat, 2011
 Stem Cell Transplant Director search committee, 2011-12
 Committee on Cancer Biology prelim exam, 2011
 Ben May Institute BSD review committee, 2012
 COI prelim exam, 2013, 2014, 2015
 Hematology/Oncology immunotherapy faculty search committee, 2013
 Fitch Lectureship organizing committee co-chair, 2014-present
 Ben May Symposium organizing committee co-chair, 2014-15
 COAP member, 2015-
 Hematology/Oncology immunotherapy faculty search committee, 2015-16
 Pathology basic immunology faculty search committee, 2017
 BSD Awards Committee, 2017

Society Activities and Leadership:

American Association for Cancer Research (AACR) Program Committee, 2002
 AAI block symposium chair, 2002
 American Association for Cancer Research (AACR) Program Committee, 2003
 Board of Directors and Treasurer, Midwest Autumn Immunology Conference,
 2004-2007
 Society for Biologic Therapy (iSBTc) Program Committee and session chair, 2004
 American Association for Cancer Research (AACR) Program Committee, 2004
 Cancer Vaccine Clinical Trials Working Group participant, 2005
 AAI block symposium chair, 2005
 iSBTc Program Committee and session chair, 2005
 Board of Directors, iSBTc/SITC, 2005-2012
 iSBTc special meeting on combination immunotherapies, program committee and session
 chair, 2006
 ASCO session chair and organizer, Immune Resistance in Melanoma, 2006 annual
 meeting

iSBTc Program Committee and session chair, 2006
 International Melanoma Working Group member, 2006-
 AACR Cancer Immunology Steering Committee, 2007-
 iSBTc Program Committee and session chair, 2007
 ASCO Education committee—Melanoma programming, 2007
 iSBTc Program Committee and overall meeting Chair, 2008
 IMRC session chair, Sapporo, Japan 2008
 AACR Program Committee—Immunology track leader, 2008-2009
 IDSC Immunotherapy Task Force, co-chair, 2008-2011 (NCI/CTEP advisory on cancer immunotherapeutic drugs)
 ASCO session chair and organizer, Therapeutic Targets in Melanoma, 2008 annual meeting
 ASCO Education Committee, Melanoma Track member, 2008-2011
 ASCO Education Committee, Melanoma Track Leader, 2008-2009
 Vice President/President Elect, iSBTc, 2008-2010
 Keystone symposium session chair, Snowbird, Utah, 2009
 AACR Publications Committee meeting, 2009
 AACR session chair, 2009
 FDA workshop on cancer vaccine development—co-organizer, session chair, and presenter: Predictive Biomarkers in Cancer Vaccine Development, 2009
 iSBTc annual meeting-- session chair and organizer: Hot Topics symposium on positive phase III cancer vaccine clinical trials, 2009
 Society for Melanoma Research—session chair, co-organizer, and presenter: Immune Checkpoints, 2009
 Melanoma Research Alliance scientific retreat, invited participant, 2010
 ASCO session chair, Melanoma oral abstracts, 2010
 iSBTc annual meeting: Session chair, 2010
 iSBTc/SITC, President, 2010-2012
 AACR Program Committee, Immunology Track, 2010-2011
 AACR session chair, annual meeting, 2011
 ASCO annual meeting, Session chair on Immunologic Biomarkers, 2011
 SITC presidential address, presidential abstract session chair, and keynote host, 2011
 IDSC Immunotherapy Task Force chair, 2012- (NCI/CTEP advisory on cancer immunotherapeutic drugs)
 Founding organizer of the World Immunotherapy Council (WIC) and inaugural meeting in Curacao, 2012
 CIMT annual meeting, Mainz, Germany. Session chair, 2012.
 AACR Program Committee, Immunology track, 2012-2013
 SITC presidential address, presidential abstract session chair, and keynote host, 2012
 EORT-AACR-NCI meeting on Molecular Targets and Cancer Therapeutics. Session chair. 2012
 MRA Annual Retreat, Session Chair, 2013
 AAI annual meeting, Session Chair for SITC guest society symposium, 2013
 SITC Executive Council, 2013-present
 AACR annual meeting session chair, 2015
 SITC annual meeting session chair, 2015
 AACR Program Committee, Immunology Track, 2015-2016
 AAI Clinical Immunology Committee, 2015-
 SITC leadership retreat, 2015
 ASCO Program committee, 2016-17
 AACR session chair, 2016

AACR program committee, 2016-17
SITC annual meeting session chair, 2016
AAI Clinical Immunology Committee Chair, 2016-2018
AACR annual meeting session chair, 2017
AACR Program committee 2017-18
AAI annual meeting session chair, 2017
ASCO annual meeting session chair, 2017
ASCO Program committee, 2017-18
AACR annual meeting session chair, 2018
AAI annual meeting session chair, 2018
TIMO session chair, 2018

External PhD Thesis Juror:

Peter Darlington, University of Western Ontario, Canada, 2005
Craig Gedye, University of Melbourne, Melbourne, Australia, 2008
Amorette Barber, Dartmouth University, 2009

Clinical Activities:

Weekly melanoma clinic in Hematology/Oncology
Annual month on inpatient Hematology/Oncology housestaff service

Fields of Specialty/Research Interests:

Activation and differentiation of T lymphocytes
Regulation of anti-tumor immune responses
Melanoma biology and treatment
Immunotherapy of melanoma and other cancers

Current Research Support (Pharmaceutical trial support is not included):

R35CA210098-01 (Gajewski, PI). Overcoming Resistance to anti-PD1 Immunotherapy. 12/07/16 – 11/30/23. \$600,000 direct. 50% effort.

P30 CA14599-26, Cancer Center Support Grant (Gajewski, Program 3 Leader). Immunology and Cancer Program Leader. 04/01/08-present. 8% effort.

P30 CA14599-26, Cancer Center Support Grant (Gajewski, core PI). Human Immunologic Monitoring Core Facility. 04/01/08-present. Direct: \$83,000. 5% effort.

Prostate Cancer Fund (Patnaik). Combinatorial Immunotherapy Strategies to Reverse Immunosuppression within PTEN-deficient Advanced Prostate Cancers. 01/01/17 – 12/31/18. \$500,000 direct. 2% effort.

American Cancer Society (Gajewski). Integrative Genomics to Identify Resistance Mechanisms to Immunotherapy. 7/1/16 – 6/30/21. \$80,000. 5% effort.

P30 CA014599-41S4 (Le Beau). CCSG - Administrative Supplement to support biomarker studies associated with NCI-supported clinical trials of immunotherapy. 4/1/17 - 3/31/19.

Bayer Research Agreement (Gajewski). FGFR3 and immune evasion. 11/20/17 -11/19/20.

R01CA219304-01A1 (Swartz). Paradoxical Roles of Tumor Lymphangiogenesis on Tumor Immunity and Implications for Immunotherapy. 4/1/18 – 3/31/23. \$228,750 direct. 5% effort.

Melanoma Research Alliance Team Science (Gajewski). Commensal microbiota and anti-PD-1 efficacy. 6/1/18 – 5/31/21. \$300,000. 10% effort.

Merck & Co. Research Agreement (Gajewski). Characterization of NF- κ B and HIF-1 α as potential tumor-cell intrinsic oncogene pathways mediating immune evasion. 5/24/18 - 5/23/21. \$238,093 direct. 1% effort.

Aduro Bio Tech (Gajewski). Deeper Investigation of STING pathway in cancer immunology. 5/1/18 - 4/30/20. \$214,286. 1% effort.

Evelo Biosciences (Gajewski). Mechanistic studies of the commensal microbiota. 5/21/18 - 5/20/20. \$178,572 direct. 2% effort.

Bristol Myers Squibb Company Strategic Collaborative Agreement (Gajewski). CRISPR screen for immunotherapy resistance. 6/25/18 - 6/24/21. \$298,355. 1% effort.

Bristol Myers Squibb Company (Gajewski). Genomic biomarkers for anti-PD-1 efficacy beyond melanoma. 9/24/18 - 9/23/21. \$695,585. 2% effort.

Recently completed grants:

Bristol Myers Squibb Company (Gajewski PI). Tumor-cell intrinsic signaling pathways impacting on T cell exclusion in pancreatic cancer. 4/13/16 - 4/12/17. 1% effort.

ONO Pharmaceutical (Gajewski). CCL4-based pharmacologic screen. 9/1/16 - 8/31/18

Evelo Research Agreement (Gajewski). Sequencing bacterial genomes in cancer immunotherapy. 7/6/17 - 7/5/19.

Phi Beta Psi Sorority (Patnaik). Combinatorial Immunotherapy Strategies to Reverse Immunosuppression within PTEN-deficient Advanced Prostate Cancers. 01/01/17 – 12/31/17. \$60,000. 1% effort.

Bristol-Myers Squibb (Gajewski). II-ON Resource Model Agreement. 04/11/2013 – 04/10/2017
II-ON Resource Model Agreement. Total Direct: \$1,890,000. 1% effort.

P01 AI07113-01(Co-Investigator Project 1/Alegre). Infections and the Stability of Transplantation Tolerance. 7/17/12 – 6/30/17. Direct: \$250,000. 2.5% effort.

NO1 CA 10-034, Cancer Immunotherapy Trials Network (Cheever, PI). 2011-2016. Role: Site PI.

Melanoma Research Alliance Team Science Award (Gajewski). Molecular mechanisms of T cell-inflamed melanoma. 10/1/13-09/30/16. \$333,333 direct. 5% effort.

Cancer Research Institute Translational Research Award (Gajewski). 10/1/13-9/30/15. Identification of tumor-intrinsic signaling pathways that inhibit host immune response. \$100,000 direct. 5% effort.

C-044: CBC Catalyst Award. (Huang/Gajewski). Identifying immune evasion mechanisms via a genome-wide shRNA screen. 5% effort.

Prism Pharmaceuticals (Gajewski PI). Testing small molecule inhibitors targeting b-catenin on the T cell infiltration of the tumor microenvironment. 1% effort . 10/26/15 - 10/24/16

Incyte Corporation (Gajewski PI). IDO Inhibitor for preclinical tumor experiments in vivo, to study combinations with other new immunotherapeutics. 1% effort. 8/24/15 - 8/23/16.

Bristol Myers Squibb Company (Gajewski PI). Genomic analysis and antigen enumeration using TCGA. 5/19/15 - 5/18/16

Melanoma Research Alliance (Gajewski, PI). Multi-peptide vaccination with or without IL-12 and Dacalizumab. 9/1/10-8/1/14. \$125,000 direct. 10% effort.

Bristol-Myers Squibb Company (Gajewski). Molecular biomarkers of tumor microenvironment. 11/13/12 – 11/12/13. Direct: \$128,971. 1% effort.

U01 CA186705-01 (Ratain). Experimental Therapeutics: Clinical Trials Network with Phase I Emphasis. 3/26/14 – 2/28/16.

Incyte pharmaceuticals (Gajewski). Combination therapies with IDO inhibition in preclinical models. 8/1/11—12/31/13.

P01 CA97296 , NCI (Schreiber, overall PI; Gajewski, PI Project 1). Innate immune signals in T cell priming against tumors. 7/26/08-5/31/13 (NCE). Direct: \$250,000. 15% effort.

R01 CA198496 (Gajewski, PI). Germline and somatic variants associated with melanoma phenotype. 12/1/15-11/30/20. \$269,000 direct. 10% effort.

R01CA181160-01 (Gajewski, PI). Host STING pathway in anti-tumor immunity. 7/1/14 – 6/30/19. \$220,000 direct. 15% effort.

R01 CA161005, NCI (Gajewski, PI). EGR2 in T Cell Tolerance. 7/1/2012-6/30/17. \$250,000 direct. 15% effort.

Teaching Activities:

GRADUATE:

- Selected Topics in Immunology (Bio 355): Course Director and lecturer, 2004; Lecturer 2007; Lecturer 2009; Lecturer 2012
- Advanced Immunology I (Bio 310): Course Director and lecturer, 2002-2005; Lecturer 2006-present
- Immune Recognition (Bio 310): Lecturer on T cell biology, 1997-2001
- Frontiers in Cancer Research (Bio 315): Lecturer on tumor immunology, 2000-2002, 2008-present
- Selected topics in Immunology (Bio 355): Course Director and lecturer, 2001
- Lymphocyte Activation: Lecturer on T cell signaling, 2002-2003
- Examiner, Immunology Ph.D. prelim exam, 1999-2001, 2013
- Ongoing training of students and post-doctoral fellows in research laboratory

- Examiner, Cancer Biology Ph.D. prelim exam, 2003, 2005, 2009, 2012-2014

MEDICAL:

- Pathology 301: Lecturer on T cell activation and development, 1997-2011
- Mentor for Tumor Immunity weekly small group session, and Laboratory Attendant, 1997-2004
- Clinical Pathophysiology: Laboratory Attendant, 1997-2004

RESIDENT/FELLOW:

- Monthly clinical lecture on melanoma to medical housestaff, 1997-1998
- Annual advanced lectures on melanoma and on immunology to Oncology fellows, 1998-present
- Annual lecture on melanoma to Dermatology housestaff, 1997-present
- Annual discussant for Surgical Oncology Journal Club on melanoma, 1997-present
- Weekly instruction of clinical oncology fellows in melanoma clinic, 1997-present
- Annual instruction of fellows and medical housestaff on inpatient oncology service, 1997-present

Laboratory Trainees:

PAST:

Post-doctoral and clinical fellows (in the laboratory):

Francesca Fallarino, Ph.D.	1996-1998
Andrew Ashikari, M.D.	1997-1999
Paul Mitchell, M.D.	1997-1999
Patrick Fields, Ph.D.	1998-1999
Seth Berk, M.D.	1998-2000
Charles Eisenbeis, M.D., Ph.D.	1999-2000
Thomas Manning, Ph.D.	1999-2000
Katharina Tschoep, M.D.	2000-2002
Reinhard Marks, M.D.	1998-2002
Christian Blank, M.D.	2001-2003
Amy Peterson, M.D.	2000-2004
Yuan-Yuan Zha	2003-2008
Candace Cham	2004-2005
Justin Kline	2005-2007
Ruth Meng	2004-2007
Praveen Nair	2005-2008
Gregory Driessens	2006-2009
Fred Locke	2007-2009
Mercedes Fuertes	2008-2011
Robbert Spaapen	2009-2011
Yan Zhang	2007-2011
Seng-Ryong Woo	2010-2015
Leticia Corrales	2012-2016
Stefani Spranger	2012-2017
Li Yang	2017-2018
Manja Idorn	2018

Graduate Students:

Mary Markiewicz	1997-2001 (Ph.D. 6/01)
Fabiola Rivas	1998-2003 (Ph.D. 7/03)
Candace Cham	1998-2004 (Ph.D. 3/04)
James O'Keefe	1998-2005 (Ph.D. 6/05)

Aalok Kacha	1999-2005 (Ph.D. 9/05)
Ian Brown	2000-2005 (Ph.D. 9/05)
Sujit Janardhan	2002-2006 (Ph.D. 9/06)
Ayelet Sivan	2013-2015 (Ph.D. 9/15)
Brendan Horton	2013-2017 (Ph.D. 2017)

Junior faculty (in the laboratory):

Amy Peterson	2004-2005
Justin Kline	2007-2009

CURRENT:

Post-doctoral and clinical fellows (in the laboratory):

Michael Leung	2010-
Vyara Matson	2015-
Shuyin Li	2016-
Andrea Ziblat	2017-
Jonathon Trujillo	2017-
Ken Hatogai	2018-
Athalia Pyzer	2018-

Graduate Students:

Jason Williams	2012-
Kyle Cron	2015-
Blake Flood	2015-
Jessica Fessler	2016-
Alexandra Cabanov	2017-
Emily Higgs	2017-

Junior faculty (in the laboratory):

Randy Sweis	2014-
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Ph.D. Thesis Committees:

Brian Gray	M.S., 2000
Keshav Rajagopal	Ph.D., 2000
Anne F. Buckley	Ph.D., 2001
Helena Harlin	Ph.D., 2001
Terry Wu	Ph.D., 2001
Mary Phillip	Ph.D., 2002
Leiming Li	Ph.D., 2002
Sumit Subudhi	Ph.D., 2004
Bryan Barnhart	Ph.D., 2004
David VanderWeele	Ph.D., 2005
Chris Lazarsky	Ph.D., 2006
Hozefa Bandukwala	Ph.D., 2007
Purvi Mody	Ph.D., 2007
Susan Byrne	Ph.D., 2010
Delia Lozano Porras	Ph.D., 2010
Paul Mungai	Ph.D., 2011
Maria Sierra	Ph.D., 2010
Mrinal Shah	Ph.D., 2010

Sogyong Auh	Ph.D., 2009
Adam Savage	Ph.D., 2010
Eric Mortenson	Ph.D., 2012
Byron Burnette	Ph.D., 2012
Michael Constantinides	Ph.D., 2014
Michelle Miller	Ph.D., 2016
Daniel Leventhal	Ph.D., 2016
Doug Kline	Ph.D., 2016
Kevin Lei	

Bibliography:

Peer-reviewed primary articles:

1. Ma, D.I., Wilde, D.B., Gajewski, T., Dunn, D.E., and Fitch, F.W. Evidence implicating I-region restricted antigen presentation in alloantigen and nominal antigen recognition by a dual-reactive helper T lymphocyte clone. *J. Immunol.* 133:1101-1110. 1984.
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47. Gajewski, T.F., Fuertes M.B., Woo, S.R. Innate immune sensing of cancer: clues from an identified role for type I IFNs. *Cancer Immunol. Immunother.* June 22, 2012.
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74. Corrales L, Matson V, Flood B, Spranger S, Gajewski TF. Innate immune signaling and regulation in cancer immunotherapy. *Cell Res.* 27(1):96-108. 2017.

75. Fessler JL, Gajewski TF. The microbiota: a new variable impacting cancer treatment outcomes. *Clin Cancer Res.* Apr 26. 2017.

76. Gajewski TF, Corrales L, Williams J, Horton B, Sivan A, Spranger S. Cancer Immunotherapy Targets Based on Understanding the T Cell-Inflamed Versus Non-T Cell-Inflamed Tumor Microenvironment. *Adv Exp Med Biol.* 1036:19-31. 2017.

77. Spranger S and Gajewski TF. Mechanisms of tumor cell-intrinsic immune evasion. *Annual Reviews in Cancer Biology.* 2017. In Press.

78. Spranger S and Gajewski TF. Impact of oncogenic pathways on evasion of anti-tumour immune responses. *Nat Rev Cancer.* 2018 Jan 12.

79. Horton BL, Gajewski TF. Back from the dead: TIL apoptosis in cancer immune evasion. *Br J Cancer.* Jan 23. 2018.

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81. Gajewski, T.F. Fast Forward - Neoadjuvant Cancer Immunotherapy. *N Engl J Med.* 2018 May 24;378(21):2034-2035

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Gastman B, Lawson DH, Lutzky J, McDermott DF, Margolin KA, Mehnert JM, Pavlick AC, Richards JM, Rubin KM, Sharfman W, Silverstein S, Slingluff CL Jr, Sondak VK, Tarhini AA, Thompson JA, Urba WJ, White RL, Whitman ED, Hodi FS, Kaufman HL. An update on the Society for Immunotherapy of Cancer consensus statement on tumor immunotherapy for the treatment of cutaneous melanoma: version 2.0. *J Immunother Cancer*. 6:44. 2018.

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Book Chapters:

1. Fitch, F.W., Gajewski, T., Nau, G., Schell, S., and Otten, G. Regulation of T lymphocyte responses: interactions among receptors. In: "Immune System and Cancer". T. Hamakoa, R.J. Hodes, G. Klein, T. Sugimura, S. Takayama, and Y. Yamamura, eds. Japan Societies Press, Tokyo/Taylor and Francis Ltd., London. 1989.
2. Fitch, F.W., Gajewski, T.F., Nau, G., and Schell, S.R. Lymphokines and differential regulation of T lymphocyte responses. In: "Molecular Aspects of Immune Response and Infectious Diseases". H. Kiyono, E. Jirillo, and C. DeSimone, eds. Raven Press, Ltd., New York. 1990.
3. Fitch, F.W., and Gajewski, T.F. Production of T cell clones. In: "Current Protocols in Immunology". J. Coligan, A. Kruisbeek, D. Margulies, E. Shevach, and W. Strober, eds. Greene Publishing Associates and John Wiley & Sons. 1991.
4. Fitch, F.W., McKisic, M.D., Lancki, D.W., Schell, S.R., and Gajewski, T.F. Differential regulation of murine T lymphocyte subsets. In: "New advances in cytokines", Vol. 92. Romagnani, S., Mosmann, T., and Abbas, A.K., eds. Raven Press, New York. 1992.
5. Fitch, F.W., Lancki, D.W., and Gajewski, T.F. T cell mediated immune regulation: help and suppression. In: "Fundamental Immunology", 3rd edition. W. Paul, ed. Raven Press, New York. 1993.
6. Fitch, F.W., McKisic, M.D., Lancki, D.W., and Gajewski, T.F. Differential regulation of murine T lymphocyte subsets. In: "Progress in Immunology", Vol. 8. J. Gergely et al., ed. Springer-Verlag, Budapest. 1993.
7. Alegre, M.L., Gajewski, T.F., Thompson, C.B. Second signals in lymphocyte activation. In: "Encyclopedia of Immunology", 2nd Edition. Peter J. Dells and Ivan Roitt, eds. Academic Press Ltd. 2145-2151. 1997.
8. Gajewski, T.F., and Fitch, F.W. Production of T cell clones. In: "Current Protocols in Immunology," Updated. J. Coligan, A. Kruisbeek, D. Margulies, E. Shevach, and W. Strober, eds. Greene Publishing Associates and John Wiley & Sons. 1997.
9. Gajewski, T.F. Cutaneous Melanoma. In: "Oncologic Therapies." E. Vokes and H. Golomb, eds. Springer-Verlag, Berlin and New York. 1998. pp1003-1035.
10. Gajewski, T.F. Cancer Immunotherapy. In: "Oncologic Therapies." E. Vokes and H. Golomb, eds. Springer-Verlag, Berlin and New York. 1998. pp170-204.

11. Fields, P.E., and Gajewski, T.F. Biochemical analysis of activated T lymphocytes: Protein phosphorylation and Ras activation. In: "Methods in Molecular Biology: Protocols in T cell development and activation." K.P. Kears, ed. Humana Press, Totowa, New Jersey. 1999. pp307-317.
12. Gajewski, T.F. and Alegre, M.-L. T Lymphocyte Responses. In: "Encyclopedia of Life Sciences," Nature Publishing Group. www.els.net. Macmillan Reference Limited, London. 2001.
13. Gajewski, T.F., Uyttenhove, C., and Markiewicz, M.A. The P815 Tumor Model. Current Protocols in Immunology. J. Coligan, A. Kruisbeek, D. Margulies, E. Shevach, and W. Strober, eds. Greene Publishing Associates and John Wiley & Sons. 2001.
14. Gajewski, T.F. Cutaneous Melanoma. In: "Oncologic Therapies." 2nd edition. E. Vokes and H. Golomb, eds. Springer-Verlag, Berlin and New York. 2002.
15. Gajewski, T.F. Cancer Immunotherapy. In: "Oncologic Therapies." 2nd edition. E. Vokes and H. Golomb, eds. Springer-Verlag, Berlin and New York. 2002.
16. Alegre, M.-L. and Gajewski, T.F. CTLA-4: Its role in the immune response. In: "CTLA-4 in Autoimmune Diseases". F. Pociot, ed. Landes Bioscience/Eureka.com, Austin, TX. 2003.
17. Harlin, H. and Gajewski, T.F. Diagnosis and treatment of mycoplasma-contaminated cell cultures. Current Protocols in Microbiology. 2005.
18. Rabinovich, G. and Gajewski, T.F. Programmed death ligand-1 and galectin-1: solving the puzzle of tumor-immune escape piece by piece. In "Cancer Immunology: Immune suppression and tumor growth." Elsevier, 2007.
19. Gajewski, T.F. Insights into mechanisms of immune resistance in the tumor microenvironment through molecular profiling. In "Innate and Adaptive Immunity in the Tumor Microenvironment." Eitan Yefenof, ed. Springer. 2008.
20. Gajewski, T.F., Fu, Yang-Xin, and Schreiber, H. Role of the tumor microenvironment in cancer immunity. PPO focus. Lippincott Williams and Wilkins. 2008.
21. Gajewski, T.F. Transcriptional profiling of melanoma as a potential predictive biomarker for response to immunotherapy. In "Immunologic signatures of Rejection". Wang and Marincola, eds. Springer. 2011.
22. Gajewski, T.F. Predictive biomarkers as a guide to future therapy selection in melanoma. In: Targeted Therapeutics in Melanoma, Gajewski and Hodi eds. Springer Science . 2011.
23. Gajewski, T.F. Principles of Cancer Immunotherapy. In: Cancer Immunotherapy: Principles and Practice. Springer. 2017.
24. Gajewski, T.F. Manipulating innate immune pathways as cancer immunotherapy. In: Cancer Immunotherapy: Principles and Practice. Springer. 2017.

Books:

1. Targeted Therapeutics in Melanoma. Gajewski, T.F. and Hodi, F.S. eds. Springer Science. 2011.
2. Cancer Immunotherapy: Principles and Practice. Gajewski, T.F. Section Editor. Springer, 2017.

Invited presentations at meetings/invited lectureships (selected):

1. Institut Pasteur, Paris, France. Cofactors and costimulation in the induction of anti-tumor immunity. 1995.
2. Basel Institute for Immunology, Basel, Switzerland. Cofactors and costimulation in the induction of anti-tumor immunity. 1995.
3. Ludwig Institute for Cancer Research, Lausanne Branch, Lausanne, Switzerland. Cofactors and costimulation in the induction of anti-tumor immunity. 1995.
4. University of Erlangen, Erlangen, Germany. Regulation of differentiation of Th1 and Th2 T lymphocyte subsets. 1995.
5. Cambridge University, Cambridge, England. Cofactors and costimulation in the induction of anti-tumor immunity. 1995.
6. Université Libre de Bruxelles, Hôpital Erasme, Brussels, Belgium. Cofactors and costimulation in the induction of anti-tumor immunity. 1995.
7. Guy's Hospital, London, England. Symposium on "Pharmacologic manipulation of the immune system: How far from the clinic?" Manipulation of the B7 costimulatory pathway. 1995.
8. John Humphrey course on "Modulation of the Immune Response." Holzhaus, Germany. The cytokine network and T cell regulation. 1995.
9. Case Western University, Cleveland, Ohio. Role of B7 and IL-12 in the induction of tumor antigen-specific immunity. 1995.
10. European Conference on Therapeutic Immunomodulation on "Therapeutic Induction of Tolerance." Blankenberge, Belgium. T cell costimulation and functional phenotype in tumor rejection. 1996.
11. University of Illinois at Chicago, Chicago, Illinois. B7, IL-12, and tumor immunity. 1996.
12. Pfizer Inc., Groton, Connecticut. Regulation of T cell signaling by costimulation and anergy. 1997.
13. V-Foundation Research Symposium, Chapel Hill, North Carolina. Rational Development of Cancer Vaccines. 1997.
14. Cold Spring Harbor Banbury Center: "Immunologic Attacks on Cancer." Cold Spring Harbor, New York. Costimulation, cytokines, and T cell subsets in the anti-tumor immune response. 1997. Invited speaker.
15. University of Wisconsin, Madison, WI. T lymphocyte signal transduction: Control by CD28, CTLA4, and anergy. 1998.
16. University of Wisconsin, Madison, WI. Molecular dissection of the anti-tumor immune response: application to the immunotherapy of melanoma. 1998.
17. Cancer Research Institute: Cancer Vaccines 1998. New York, NY. Vaccination with melanoma peptide-pulsed PBMC plus IL-12. Invited speaker.
18. Holy Cross Hospital, Chicago, IL. Melanoma evaluation and treatment. 1998.
19. Epimmune, La Jolla, CA. Role of IL-12 and Th1 responses in anti-tumor immunity: Application to human melanoma vaccines. 1998.
20. LaGrange Hospital, LaGrange, IL. New developments in the diagnosis and treatment of melanoma. 1999.
21. 1st Walker's Cay colloquium on cancer vaccines and immunotherapy, Walker's Cay, Bahamas. 1999.
22. National Cancer Institute, Rockville, MD. Applications of IL-12 to cancer therapy. 1999.
23. Keystone Symposium on Immunotherapy of Cancer, Santa Fe, NM. Recruiting anti-tumor Th1/Tc1 responses in mouse and man. 2000. Invited speaker.
24. Johns Hopkins University, Baltimore, MD. Molecular dissection of the anti-tumor immune response: Application to human melanoma vaccines. 2000.
25. Melanoma at the Millennium, Phoenix, AZ. Vaccination with melanoma peptide-pulsed PBMC plus rhIL-12. 2000. Invited speaker.
26. Holy Cross Hospital, Chicago, IL. Advances in the clinical approach to melanoma. 2000.
27. American Association for Cancer Research annual meeting, San Francisco, CA. Vaccination against

- human melanoma. 2000. Invited speaker, Education Session.
28. Symposium on “Management of Benign, Premalignant, and Malignant Disease in the 21st Century”, Chicago, IL. Immunotherapy of melanoma. 2000. Invited speaker.
 29. University of Minnesota, Minneapolis, MN. Molecular dissection of the anti-tumor immune response: Application to human melanoma vaccines. 2000.
 30. 5th Ben May Cancer Research Symposium: Tumor Immunology, Gene Therapy, and Cancer. Chicago, IL. 2000. Invited speaker.
 31. 5th Albert R. Taxin Symposium, Wistar Institute, Philadelphia, PA. 2000. Invited speaker.
 32. Symposium on Rituximab, Washington, D.C. Depletion of normal B cells as potential immunotherapy for melanoma and kidney cancer. 2000.
 33. University of Pittsburgh, Pittsburgh, PA. Facets of antigen presentation in anti-tumor immunity. 2000.
 34. University of Illinois at Chicago, Chicago, IL. Rational development of melanoma vaccines. 2001.
 35. 5th World Conference on Melanoma, Venice, Italy. Promoting Type 1 T cell responses in melanoma vaccines. 2001. Invited speaker.
 36. University of California San Francisco, San Francisco, CA. Rational development of immunologic therapies for the treatment of cancer. 2001.
 37. Holy Cross Hospital, Chicago, IL. New immunologic approaches to the treatment of cancer. 2001.
 38. Genetics Institute, Cambridge, MA. Qualitative and quantitative regulation of an anti-tumor T cell response. 2001.
 39. Mayo Clinic, Rochester, MN. Rational development of immunologic therapies for the treatment of cancer. 2001.
 40. American Cancer Society Excalibur Roundtable. Development of novel immunologic therapies for the treatment of cancer. 2001.
 41. Loyola University Medical Center, Chicago, IL. CTL differentiation and anti-tumor immunity. 2001.
 42. Northwestern University, Chicago, IL. CTL differentiation and anti-tumor immunity. 2002.
 43. Graham School of Continuing Studies, Chicago, IL. Immunotherapy for Cancer. 2002.
 44. CTEP Phase I Meeting, NCI, Bethesda, MD. SU5416 for melanoma and mesothelioma. 2002.
 45. Cleveland Clinic Foundation, Cleveland, OH. CTL differentiation and anti-tumor immunity. 2002.
 46. Michigan Oncology Group. Emerging strategies in cancer immunotherapy. 2002.
 47. AAI annual meeting, New Orleans, LA. Chairperson, block symposium: Tumor vaccine development and immune-based therapies. 2002.
 48. Dartmouth University, Hanover, New Hampshire. CD8⁺ T cell differentiation in the context of anti-tumor immunity. 2002.
 49. Free University of Brussels, Brussels, Belgium. Countering negative regulation in anti-tumor immunity. 2003. Invited speaker and session chair.
 50. Stanford University, Palo Alto, California. CD8⁺ T cell differentiation in the context of anti-tumor immunity. 2003.
 51. University of Rochester, Rochester, NY. Rational development of cancer therapeutics: The immunotherapy model. 2003.
 52. Burroughs Wellcome Translational Research Symposium, Durham, NC. Improving clinical responses to melanoma vaccines. 2003.
 53. Keystone meeting on Basic Aspects of Tumor Immunology, Keystone, CO. Overcoming negative regulation of anti-tumor T cell responses. 2003. Invited speaker.
 54. 5th Walker’s Cay colloquium on cancer vaccines and immunotherapy, Walker’s Cay, Bahamas. Are there mechanisms of resistance to melanoma vaccines downstream from T cell priming? 2003. Invited speaker.
 55. M.D. Anderson Cancer Center, Houston, TX. Translational approaches toward new therapies for melanoma. 2003.
 56. American Association for Cancer Research (AACR) annual meeting, Washington, D.C. Chairperson, minisymposium on Novel Vaccine Strategies. 2003.
 57. Roswell Park Cancer Institute, Buffalo, NY. Translational approaches toward new therapies for

- melanoma. 2003.
58. Preuss Foundation Symposium on Relating Immunologic Advances to Brain Tumor Treatment, Woodstock, Vermont. IL-12-based immunization against melanoma: Advances and new questions. 2003.
 59. Melanoma Research Foundation Symposium, Chicago, IL. Conference organizer and presenter. Molecular targets for new therapies in melanoma. 2003.
 60. Autumn Immunology Conference, Chicago, IL. Session chair: anti-tumor immunity. 2003.
 61. Keystone meeting on Lymphocyte Activation, Steamboat Springs, CO. T cell anergy is reversed by active Ras and regulated by diacylglycerol kinase. 2004.
 62. Immunotherapy of Melanoma Workshop. John Wayne Cancer Institute, Santa Monica, CA. Exploring mechanisms of resistance to anti-tumor T cell responses. 2004.
 63. American Association for Cancer Research (AACR) annual meeting, Orlando, FL. New mechanisms of tumor resistance to anti-tumor T cell responses. 2004. Major symposium invited speaker.
 64. International Symposium on Cancer Vaccines, Rome, Italy. Clinical application of IL-12 as a vaccine adjuvant. 2004. Invited speaker.
 65. University of Perugia, Perugia, Italy. What makes an effective CTL effector? 2004.
 66. University of Virginia, Charlottesville, VA. What makes an effective CTL effector? 2004.
 67. AAPS National Biotechnology Conference, Boston MA. Immunization with melanoma antigen peptides and interleukin-12. 2004.
 68. Fred Hutchinson Cancer Research Center, Seattle, Washington. Improving clinical responses to melanoma vaccines. 2004.
 69. University of California San Francisco, San Francisco, CA, 6th Cancer Research Symposium: Melanoma. Improving tumor responses to melanoma vaccines. 2004.
 70. iSBTc annual meeting, San Francisco, CA. Considerations for overcoming mechanisms of tumor resistance downstream from T cell priming. 2004. Invited speaker, session chair, and session organizer.
 71. Northwestern University, Chicago, IL. New immunotherapeutic strategies in melanoma based on overcoming tumor resistance. 2005.
 72. University of Regensburg: Cellular Therapy 2005, Regensburg, Germany. Beyond vaccines: Overcoming negative regulation in the tumor microenvironment. 2005.
 73. Keystone meeting on Basic Aspects of Tumor Immunology, Keystone, CO. Understanding and modifying the melanoma tumor microenvironment. 2005.
 74. AAI Annual meeting, San Diego, CA. Chairperson, block symposium: Immune cell effector function. 2005.
 75. 14th CRI Cancer Symposium: Seoul National University, Seoul, Korea. Mechanisms of resistance to anti-tumor immunity downstream from T cell priming. 2005.
 76. Chung-Ang University, Seoul, Korea. CD8⁺ T cells, glucose metabolism, and the immunologic synapse. 2005.
 77. Catholic University, Seoul, Korea. Melanoma immunotherapy: beyond vaccines. 2005.
 78. Korea University Medical School, Seoul, Korea. CD8⁺ T cells, glucose metabolism, and the immunologic synapse. 2005.
 79. 7th annual Sabin colloquium on Cancer Vaccines and Immunotherapy, Cold Spring Harbor Genome Center, NY. Understanding and modifying the tumor microenvironment to overcome resistance to T cell effector function. 2005.
 80. Innovations and Challenges in Melanoma, Harvard University, Cambridge, MA. Overcoming mechanisms of immune resistance in the melanoma tumor microenvironment. 2005.
 81. Medical College of Wisconsin, Milwaukee, WI. Understanding and modifying the tumor microenvironment to overcome resistance to T cell effector function. 2005.
 82. Karolinska Institute, Stockholm, Sweden. Countering negative regulation of immune responses in the tumor microenvironment. 2005.
 83. iSBTc annual meeting, Alexandria, VA. Discussant, new cancer vaccine approaches. 2005.

84. Perspectives in Melanoma IX, Tampa Bay, FL. Immune suppression in the melanoma tumor microenvironment. 2005.
85. Keystone Symposium on Melanoma, Santa Fe, NM. Gene expression profiles of the melanoma tumor microenvironment. 2006.
86. ASCO annual meeting, Atlanta, GA. Overcoming immune barriers in the melanoma tumor microenvironment. 2006.
87. GSKBio Third Extramural R&D Symposium, Brussels, Belgium. Which T cell response to tackle cancer? 2006.
88. iSBTc annual meeting, Los Angeles, CA. T cell anergy as a mechanism of tumor escape. 2006.
89. International melanoma working group, Prague, Czech Republic. New therapeutic approaches in melanoma. 2006.
90. University of Toronto, Toronto, Canada. New insights into T cell anergy. 2007.
91. Symposium on Immune Modulation by Dendritic cells and Regulatory T cells, Medellin, Colombia. 1) Molecular mechanisms of T cell anergy, and 2) Therapeutic melanoma vaccines: Overcoming immune resistance. 2007.
92. Keystone Symposium on potent new anti-tumor immunotherapies, Banff, Canada. Presenter and workshop session chair. T cell anergy as a mechanism of immune escape. 2007.
93. AACR annual meeting, Los Angeles, CA. Clinical and basic interface session on melanoma. Immunotherapy for Melanoma: Where we've been and where we need to go. 2007.
93. Meeting of the Hinterzatterer Kreis on Tumor Resistance Mechanisms, Cadenabbia (Lake Como), Italy. Overcoming barriers to T cell-based immunotherapy in the melanoma tumor microenvironment. 2007.
94. Henry Kunkel Society meeting, Rockefeller University, New York. New insights into T cell anergy. 2007.
95. International melanoma working group, Florence, Italy. Melanoma resistance to immunotherapies. 2007.
96. AAI annual meeting, Miami, FL. RasGRP and DGK- α in T cell costimulation and anergy. 2007.
97. University of Pittsburgh, Pittsburgh, PA. Overcoming immune barriers in the melanoma tumor microenvironment. 2007.
98. ASCO annual meeting, Chicago, IL. Chemokines and T cell migration into the melanoma tumor microenvironment. 2007.
99. Yale University, New Haven, CT. Identifying and overcoming mechanisms of immune resistance in the tumor microenvironment. 2007.
100. New Frontiers in Cancer Immunotherapy. Fondation Merieux, Annecy, France. IL-12-based immunization in melanoma: mechanisms of response versus resistance. 2007.
101. 5th international meeting on dendritic cell vaccination and other strategies to tip the balance of the immune system. Bamberg, Germany. Melanoma resistance to immunotherapy at the level of the tumor microenvironment. 2007.
102. Paul Erlich Institute, Langen, Germany. Melanoma vaccines in mouse and man. 2007.
103. Vanderbilt University, Nashville, TN. Mechanisms of resistance to cancer immunotherapy in the melanoma tumor microenvironment. 2007.
104. Perspectives in Melanoma XI, Huntington Beach, CA. The dichotomous role of the immune response against melanoma. 2007.
105. AACR/EORTC meeting on targeted therapies in cancer, San Francisco, CA. Failure at the effector phase: resistance to immunotherapy at the tumor microenvironment. 2007.
106. iSBTc annual meeting, Boston, MA. Development of combination immunotherapies. 2007.
107. Ohio State University, Columbus, OH. Negative regulation of T cell activation in the tumor context. 2007.
108. Latin America Oncology Forum, Mexico City, Mexico. Rational development of new cancer immunotherapies. 2007.
109. University of Western Ontario, London, Ontario, Canada. Negative regulation of T cell activation by

- energy, DGK, and other factors. 2007.
110. Incyte pharmaceuticals, Wilmington, DE. Resistance to cancer immunotherapy at the level of the tumor microenvironment. 2008.
 111. Ohio State University, Symposium on Melanoma, Columbus, OH. Improving anti-tumor immunity against melanoma. 2008.
 112. University of Pennsylvania, Philadelphia, PA. Negative regulation of T cell activation in the tumor context. 2008.
 113. Louisiana State University and Tulane joint immunology seminar, New Orleans, LA. Overcoming immune suppression in the tumor microenvironment. 2008.
 114. University of Michigan symposium on anti-tumor immunity, Ann Arbor, MI. Overcoming negative regulation of immune responses at the level of the tumor microenvironment. 2008.
 115. International Melanoma Research Congress, Sapporo, Japan. Driving home the anti-tumor immune response at the level of the melanoma tumor microenvironment. 2008.
 116. University of South Dakota, Sioux Falls, S.D. New and evolving immunotherapy approaches for the treatment of melanoma. 2008.
 117. Berlin Symposium on Adoptive T Cell Therapy, Berlin, Germany. Tumor resistance to immunotherapy at the level of the tumor microenvironment. 2008.
 118. ASCO annual meeting, Chicago, IL. 1. New therapeutic targets in melanoma. 2. Predicting response to cancer vaccines: Gene expression profiling and the tumor microenvironment. 2008.
 119. American College of Surgeons annual meeting, San Francisco, CA. Clinical response of melanoma driven by features of the tumor microenvironment. 2008.
 120. New York Academy of Sciences, 6th International Cancer Vaccine Symposium, NY, NY. Clinical responses to melanoma vaccines based on the tumor microenvironment. 2008.
 121. iSBTC annual meeting, San Diego, CA. Innate immune signals that mediate host awareness of tumor and promote adaptive immune responses. 2008.
 122. Infection and Immunity Symposium, University of Utrecht, Utrecht, Netherlands. Tumor resistance to immunotherapy dictated from the level of the tumor microenvironment. 2008.
 123. Second International Cell Therapy Conference, Seoul, Korea. 1. Plenary talk—Tumor regression from T cell-based immunotherapy dictated by the tumor microenvironment; 2. Mini-session talk—Innate signals in the solid tumor microenvironment that promote adaptive immunity. 2008.
 124. AACR Special Conference on Tumor Immunology: New perspectives, Miami, FL. Immune regulation from within the tumor microenvironment. 2008.
 125. Keystone symposium on cell-based immunotherapy of cancer, Snowbird, Utah. Session Chair and speaker: T cells and Tumors: an Avoidable Attraction. 2009.
 126. Lankenau Institute for Medical Research, Philadelphia, PA. Cancer Immunotherapy: Understanding mechanisms of success versus failure. 2009.
 127. Lutheran General Hospital, Park Ridge, IL. New immunotherapy approaches in melanoma. 2009.
 128. NCI CTEP early drug development meeting, Bethesda, MD. Predictive biomarkers in melanoma. 2009.
 129. Johns Hopkins University, Baltimore, MD. Melanoma immunotherapy: Overcoming mechanisms of resistance at the level of the tumor microenvironment. 2009.
 130. AACR annual meeting, Denver, CO. Type I IFN-centered innate immunity promotes spontaneous T cell responses against tumors. 2009.
 131. Dartmouth Medical School, Lebanon, NH. Overcoming negative regulation of anti-tumor immunity at the level of the tumor microenvironment. 2009.
 132. ASCO annual meeting, Orlando, FL. 1. Predictive biomarkers in melanoma therapeutics—Discussant; 2. Gene expression profile associated with survival to a dendritic cell-based vaccine in melanoma. 2009.
 133. CIMT annual meeting, Mainz, Germany. Immune susceptibility dictated by the tumor microenvironment. 2009.
 134. Fondacion Merieux symposium on Combination Immunotherapy, Annecy France. Argument for

- combination immunotherapies for cancer. 2009.
135. NCI-Frederick, Frederick, MD. Innate immune signals that support adaptive immune responses against tumors. 2009.
 136. FDA workshop on cancer vaccine development, NIH, Bethesda, MD. Molecular profiling of the tumor microenvironment as a predictive biomarker for cancer vaccine response. 2009.
 137. iSBTc annual meeting, National Harbor, MD. Cellular and molecular requirements for rejection of B16 melanoma in the setting of Treg depletion and homeostatic proliferation. 2009.
 138. Society for Melanoma Research (SMR) annual meeting, Boston, MD. Three levels of immunologic checkpoint in the melanoma tumor microenvironment. 2009.
 139. National Cancer Institute, Bethesda, MD. Resistance to Immunotherapy at the Level of the Tumor Microenvironment: Implications as a Predictive Biomarker and Opportunities for New Interventions. 2009.
 140. South Carolina Cancer Specialists, Hilton Head, SC. New directions in the treatment of melanoma: Advances in Immunotherapy. 2010.
 141. Keystone symposium on Molecular and cellular biology of immune escape in cancer, Keystone, CO. Transcriptional regulation of T cell anergy: Implications for cancer immunotherapy. 2010.
 142. Mercy Regional Medical Center, Durango, CO. New directions in the treatment of melanoma: Advances in Immunotherapy. 2010.
 143. Mayo Clinic, Third Schulze Symposium on Novel Immunotherapeutic Approaches to Cancer Treatment, Rochester, MN. Uncoupling negative regulation of anti-tumor immune responses: CTLA-4 blockade and beyond. 2010.
 144. John R. Murren symposium on melanoma research and treatment, Las Vegas, NV. Resistance to immunotherapy at the level of the tumor microenvironment: Implications as a predictive biomarker and opportunities for new interventions. 2010.
 145. West Michigan Cancer Center, Kalamazoo, MI. New directions in the treatment of melanoma: Advances in Immunotherapy. 2010.
 146. AACR annual meeting, Washington, D.C. Meet-the-expert session: Bidirectional translational research approach to accelerate development of effective cancer immunotherapeutics. 2010.
 147. Baptist Hospital, Pensacola, FL. New directions in the treatment of melanoma: Advances in Immunotherapy. 2010.
 148. IMWG meeting, Lansdowne, VA. Resistance to immunotherapy at the level of the tumor microenvironment: Implications as a predictive biomarker and opportunities for new interventions. 2010.
 149. Mayo Clinic, Rochester, MN. Molecular regulation of T cell anergy. 2010.
 150. Earl Chiles Research Institute, Portland, OR. Dissecting inhibitory signaling in T lymphocytes: Implications for cancer immunotherapy. 2010.
 151. BTOC meeting, Munich, Germany. Trafficking of immune cells into the tumor microenvironment. 2010
 152. NCI Symposium on Immunity, Inflammation, and Cancer, Bethesda, MD. Innate immune recognition leading to adaptive immunity to tumors. 2010.
 153. iSBTc/SITC annual meeting, Washington, D.C. Regulation of anti-tumor immunity through migration of immune cell subsets within the tumor microenvironment. 2010.
 154. iSBTc/SITC annual meeting, Washington, D.C. Primer on anti-tumor immunity. Immune regulation at the level of the tumor microenvironment. 2010.
 155. Tolmach Symposium, Washington University, St. Louis. Overcoming immunoregulatory barriers at the level of the tumor microenvironment. 2010.
 156. Symposium on CTL in anti-tumor immunity, Pamplona, Spain. Resistance to immunotherapy at the level of the tumor microenvironment: Implications as a predictive biomarker and opportunities for new interventions. 2010.
 157. 9th international workshop on immunotherapy, Havana, Cuba. Clinically relevant immune escape mechanisms identified through molecular profiling of melanoma metastases. 2010.

158. Charles Rodolphe Brupbacher Symposium, invited speaker, Zurich, Switzerland. Overcoming immune resistance in the tumor microenvironment. 2011.
159. 14th Annual Translational Research Consortium, Seven Springs, PA. Keynote speaker. Regulation of anti-tumor immunity at the level of the tumor microenvironment. 2011.
160. AACR annual meeting, Orlando, FL. 1. Overcoming immune barriers in the tumor microenvironment. 2. Tumor immunology for the non-immunologist. 2011.
161. American Transplant Congress annual meeting, Philadelphia, PA. Molecular regulation of T cell anergy in vitro and in vivo. 2011.
162. ASCO annual meeting, Chicago, IL. 1. Understanding and overcoming immune resistance mechanisms in the melanoma tumor microenvironment. 2. Discussant on immunologic biomarkers in cancer immunotherapy. 2011.
163. Advanced Melanoma: Biology and Treatment, Cambridge, MA. Immunobiology of melanoma. 2011.
164. Perspectives in Melanoma 2011, Brooklyn, NY. 1. The microenvironment of melanoma as a guide to therapeutic approaches. 2. New mechanistic insights into the anti-melanoma effect of type I IFNs. 2011.
165. IMWG, Brooklyn, NY. Predictive biomarkers for melanoma response to immunotherapy. 2011.
166. Association of Physician Assistants in Oncology annual meeting, Chicago, IL. New immunotherapy developments in melanoma. 2011.
167. Melanoma Research Foundation symposium, Chicago, IL. New immunotherapies for melanoma. 2011.
168. PIVAC meeting, Copenhagen, Denmark. Identifying and overcoming resistance mechanisms in the melanoma tumor microenvironment. 2011.
169. ESCII meeting, Siena, Italy. Immunoregulatory barriers at the level of the tumor microenvironment. 2011.
170. SITC annual meeting, Bethesda, MD. Immune regulation from the tumor microenvironment. 2011.
171. International Melanoma Congress, Tampa Bay, FL. Identifying and overcoming immunoregulatory barriers at the level of the melanoma tumor microenvironment. 2011.
172. Japanese Society for Immunology, Chiba, Japan. Identifying and overcoming immunoregulatory barriers at the level of the melanoma tumor microenvironment . 2011.
173. Melanoma research: A bridge from Naples to the World, Naples, Italy. Understanding and overcoming barriers at the melanoma tumor microenvironment. 2011.
174. University of Washington Seattle, Seattle, WA. Regulation of innate and adaptive immunity within the tumor microenvironment. 2012.
175. Northwestern University, Chicago, IL. New cancer immunotherapy approaches based on understanding resistance mechanisms in the tumor microenvironment. 2012.
176. Emory University, Atlanta, GA. New cancer immunotherapy approaches based on countering regulation within the tumor microenvironment. 2012.
177. MRA retreat, Washington, DC. Strategies to deplete Tregs as an immunotherapy approach in melanoma. 2012.
178. Keystone symposium on innate immunity, Keystone, CO. Innate immune sensing of cancer via the host STING pathway. 2012.
179. Canadian cancer immune therapy symposium, Montreal, Canada. Regulation of innate and adaptive immunity within the tumor microenvironment. 2012.
180. University of Illinois Translational Cancer Research symposium, Champagne-Urbana, IL. Keynote speaker: New immunotherapy approaches for cancer based on understanding resistance mechanisms in the tumor microenvironment. 2012.
181. Cancer immunotherapy consortium colloquium on Immune signatures in the tumor, National Harbor, Maryland. Lessons learned from the tumor microenvironment to guide advancement in cancer immunotherapy. 2012.
182. Central Society for Cancer Research annual meeting, Chicago, IL. Biologic and therapeutic implications of a T cell-inflamed tumor microenvironment. 2012.

183. Optum health advances in Oncology, Phoenix, AZ. Advances in the management of melanoma. 2012.
184. CIMT annual meeting, Mainz, Germany. Regulation of innate and adaptive immunity within the tumor microenvironment. 2012.
185. ASCO annual meeting, Chicago, IL. Discussant: new cancer immunotherapies. 2012.
186. Spanish Melanoma Consortium annual meeting, Madrid, Spain. Rationale for development of combination immunotherapies. 2012.
187. 24th International Congress of the Transplantation Society, Berlin, Germany. T cell anergy versus exhaustion. 2012.
188. Forbeck Scholar Retreat, Lake Geneva, WI. Cancer immunotherapy advances based on understanding resistance mechanisms in the tumor microenvironment. 2012.
189. Genentech, South San Francisco, CA. Innate and adaptive immunity regulated within the tumor microenvironment. 2012.
190. Cancer Research Institute meeting, New York, NY. Innate and adaptive immunity regulated within the tumor microenvironment. 2012.
191. Caremark Pharmacy meeting, Chicago, IL. Cancer vaccines and other immunotherapies. 2012.
192. Instituto de Biología y Medicina Experimental, Buenos Aires, Argentina. Innate and adaptive immunity regulated within the tumor microenvironment. 2012.
193. SITC annual meeting, Bethesda, MD. 1. Immune regulation from the tumor microenvironment. 2. Innate and adaptive immunity in the melanoma tumor microenvironment. 2012.
194. EORT-ACR-NCI meeting on Molecular Targets and Cancer Therapeutics. New immunotherapy approaches based on overcoming resistance mechanisms within the tumor microenvironment. 2012.
195. Autumn Immunology Conference, Chicago, IL. Innate and adaptive immunity regulated within the tumor microenvironment. 2012.
196. 2nd Symposium on Targeted Cancer Therapy, Heidelberg, Germany. Immunotherapeutic targets for melanoma identified through interrogation of the tumor microenvironment. Keynote lecture. 2012.
197. Melanoma Bridge Conference, Naples, Italy. The melanoma tumor microenvironment: From biomarkers to biology. 2012.
198. M.D. Anderson Cancer Center, Houston Texas. Innate and adaptive immunity regulated within the tumor microenvironment. 2012.
199. Hadassah Medical Center, Jerusalem, Israel. New immunotherapeutic approaches for melanoma based on overcoming resistance in the tumor microenvironment. Keynote lecture. 2012.
200. Mercy Hospital, Chicago, IL. New targeted therapies for metastatic melanoma. 2013.
201. University of Iowa, Iowa City, IA. Innate and adaptive immunity regulated within the tumor microenvironment. 2013.
202. 1st annual Immuno-Oncology Forum, Miami, FL. Mechanisms of a T cell-inflamed versus non-inflamed tumor microenvironment. 2013.
203. Melanoma Research Alliance Annual Retreat, Washington, D.C. Next directions in melanoma immunotherapy. 2013.
204. Radiation and anti-tumor immunity symposium, Bethesda, MD. Innate immune sensing of cancer. 2013.
205. ACR annual meeting, Washington, DC. 1. Mechanisms of resistance to cancer immunotherapy. 2. Innate immune sensing of cancer. 2013.
206. AgonOx symposium on T cell function and modulation, Maui, HI. Innate and adaptive immunity within the tumor microenvironment. 2013.
207. AAI annual meeting, Honolulu, HI. Innate and adaptive immune regulation within the tumor microenvironment. 2013.
208. ASCO pre-meeting on Advances in Cancer Immunotherapy, Chicago, IL. Immune regulation within the tumor microenvironment. 2013.

209. SITC ACI symposium, MD Anderson, Houston, TX. Immune regulation within the tumor microenvironment. 2013.
210. 18th NAT conference—Common Perspectives in Transplant and Tumor Immunology, Nantes, France. Identifying immunotherapeutic targets by understanding resistance mechanisms in the tumor microenvironment. 2013.
211. 8th World Congress of Melanoma, Hamburg, Germany. 1. Primary and secondary resistance to immunotherapy at the level of the tumor microenvironment. 2. Phase I/II trial of vemurafenib + cobimetinib. 3. Melanoma tumor microenvironment and response to immunotherapy. 2013.
212. IMWG meeting, Washington, DC. Rational development of combination immunotherapies. 2013.
213. Danish Cancer Society Symposium, Copenhagen, Denmark. Innate and adaptive immunity regulated within the tumor microenvironment. 2013.
214. Cytokines, SF, CA. Type I IFNs and innate immune sensing of cancer. 2013.
215. University of California Berkeley, Berkeley, CA. Innate and adaptive immunity within the tumor microenvironment. 2013.
216. Lederer symposium on esophageal cancer research, Chicago, IL. Novel immunotherapy approaches for solid tumors. 2013.
217. Prostate Cancer Foundation annual retreat, Washington, DC. Potential for immunotherapy in prostate cancer. 2013.
218. Society for Immunotherapy of Cancer annual meeting, Washington, DC. Meet-the-expert breakfast. 2013.
219. VGTI symposium, Port St. Lucie, FL. Immunotherapies based on overcoming resistance in the tumor microenvironment. 2013.
220. Society for Melanoma Research annual meeting, Philadelphia, PA. Identifying immunotherapeutic targets by understanding resistance mechanisms in the tumor microenvironment. 2013.
221. Melanoma Bridge Conference, Naples, Italy. Mechanisms of a T cell-inflamed versus non-inflamed melanoma tumor microenvironment. 2013.
222. SIDRA Symposium on Immunotherapy of Cancer, Doha, Qatar. New immunotherapeutic strategies based on overcoming resistance mechanisms in the tumor microenvironment. 2014.
223. University of Minnesota, Minneapolis, MN. Innate and adaptive immunity within the tumor microenvironment. 2014.
224. Interferon Fundamentals, Rome, Italy. Type I IFNs and anti-tumor immunity. 2014.
225. Frontiers in Cancer Research and Therapy, Nobel Forum, Karolinska Institute, Stockholm, Sweden. New immunotherapeutic strategies based on overcoming resistance mechanisms in the tumor microenvironment. 2014.
226. ITOC Symposium, Munich, Germany. New immunotherapeutic strategies based on overcoming resistance mechanisms in the tumor microenvironment. 2014.
227. IMWG meeting, Budapest, Hungary. Scientific rationale for neoadjuvant immunotherapies in melanoma. 2014.
228. Memorial Sloan Kettering Cancer Center, NY, NY. Innate and adaptive immunity within the tumor microenvironment. 2014.
229. WISTAR Institute, Philadelphia, PA. Molecular mechanisms of the T cell-inflamed tumor microenvironment. 2014.
230. St. Jude Research Institute, Memphis, TN. Immunotherapy strategies based on overcoming inhibitory mechanisms in the tumor microenvironment. 2014.
231. Rush University, Chicago, IL. New immunotherapy strategies for cancer. 2014.
232. FOCIS Annual Meeting, Chicago, IL. 1. New immunotherapy approaches for cancer. 2. Immunotherapy strategies based on overcoming resistance mechanisms within the tumor microenvironment. 2014.
233. APAO Annual Meeting, Austin, TX. New immunotherapy approaches for cancer. 2014.
234. National Cancer Institute, Bethesda, MD. Molecular mechanisms for the T cell-inflamed tumor microenvironment. 2014.

235. AACR Special Conference on Advances in Melanoma, Philadelphia, PA. Immunotherapeutic approaches based on overcoming inhibitory mechanisms in the tumor microenvironment. 2014.
236. Cleveland Clinic, Cleveland, OH. Molecular mechanisms for the T cell-inflamed tumor microenvironment: Implications for therapy. 2014.
237. NHRI/IBMS Joint International Conference on Inflammation and Disease, Taipei, Taiwan. Molecular mechanisms for the T cell-inflamed tumor microenvironment. 2014.
238. Columbia University, New York, NY. Molecular mechanisms for the T cell-inflamed tumor microenvironment: Implications for immunotherapy. 2015.
239. Cutting edge of Transplantation, Phoenix, AZ. Lessons learned from breaking tolerance in cancer. 2015.
240. Ben May Symposium on Cancer Immunotherapy, Chicago, IL. Molecular mechanisms of the T cell-inflamed tumor microenvironment. 2015.
241. Cold Spring Harbor meeting on Fundamental Immunology and its Therapeutic Potential, CSHL, New York. Molecular mechanisms of the T cell-inflamed tumor microenvironment: Implications for immunotherapy. 2015.
242. AACR annual meeting, Philadelphia, PA. Molecular mechanisms of the T cell-inflamed tumor microenvironment: Implications for immunotherapy. 2015.
243. Olivia Newton-John Cancer Research Institute Symposium, Melbourne, Australia. Immunotherapy strategies based on overcoming inhibitory mechanisms in the tumor microenvironment. 2015.
244. Melanoma Institute of Australia, Sydney, Australia. The next barrier in melanoma immunotherapy: overcoming the non-T cell-inflamed tumor microenvironment. 2015.
245. AAI annual meeting, New Orleans, LA. The STING pathway and innate immune sensing of cancer. 2015.
246. University of Maryland, Boston, MA. Molecular mechanisms of the T cell-inflamed tumor microenvironment. 2015.
247. New York Academy of Sciences meeting on Cancer Immunotherapy, NY, NY. Immunotherapy strategies based on overcoming inhibitory mechanisms in the tumor microenvironment. 2015.
248. ASCO annual meeting, Chicago, IL. Density of immunogenic antigens and presence or absence of the T cell-inflamed tumor microenvironment in metastatic melanoma. 2015.
249. European melanoma meeting, Reykjavik, Iceland. Molecular mechanisms of the T cell-inflamed tumor microenvironment: Implications for melanoma immunotherapy. 2015.
250. Harvard University Evergrande Symposium, Boston, MA. Molecular mechanisms of the T cell-inflamed tumor microenvironment: Implications for immunotherapy. 2015.
251. New Horizons for Immunotherapy in Head and Neck Cancer, Newberg, OR. Immunotherapy for cancer based on overcoming inhibitory mechanisms in the tumor microenvironment. 2015.
252. Yale University, New Haven, CT. Tumor and host factors that control anti-melanoma immunity. 2015.
253. Georgetown University, Washington, DC. Tumor and host factors influencing anti-tumor immunity and efficacy of immunotherapy. 2015.
254. Stanford University Cancer Biology Program Retreat, invited external speaker, Santa Cruz, CA. Tumor and host factors influencing anti-tumor immunity and efficacy of immunotherapy. 2015.
255. Harvard Medical School, Boston, MA. Tumor and host factors regulating anti-tumor immunity and efficacy of immunotherapy. 2015.
256. MGH seminar, Boston, MA. Molecular mechanisms of the T cell-inflamed tumor microenvironment: Implications for immunotherapy. 2015.
257. University of Michigan Cancer Center Symposium, Ann Arbor, MI. Tumor and host factors regulating anti-tumor immunity and efficacy of immunotherapy. 2015.
258. Japan Cancer Association, Nagoya, Japan. Tumor and host factors regulating anti-tumor immunity and efficacy of immunotherapy. 2015.
259. Latin American Immunology Association, Medellin, Colombia. Molecular mechanisms of the T cell-inflamed tumor microenvironment: Implications for immunotherapy. 2015.

260. AACR Frontiers in Cancer Research, Philadelphia, PA. Tumor and host factors regulating anti-tumor immunity and efficacy of immunotherapy. 2015.
261. EADO annual meeting, Marseille, France. Molecular mechanisms of the T cell-inflamed tumor microenvironment: Implications for immunotherapy. 2015.
262. IMWG meeting, Marseille, France. Molecular determinants of the T cell-inflamed tumor microenvironment. 2015.
263. SITC annual meeting, Washington, DC. Tumor and host factors regulating immunotherapy responsiveness. 2015.
264. SMR annual meeting, San Francisco, CA. Therapeutic barriers in the tumor microenvironment. 2015.
265. AACR conference on metastasis, Austin, TX. Tumor and host factors regulating the T cell-inflamed tumor microenvironment and response to immunotherapy. 2015.
266. Melanoma Bridge meeting, Naples, Italy. 1. Tumor and host factors regulating immunotherapy responsiveness. 2. Biologic basis for combination immunotherapies. 3. Preliminary results from IDOi + pembrolizumab study in melanoma. 2015.
267. UCCCC translational research seminar, Chicago, IL. Microbiota and cancer. 2016.
268. BI-IMP-IMBA meeting, Gumpoldskirchen, Austria. Molecular mechanisms of immune exclusion in the tumor microenvironment. 2016.
269. Keystone meeting on cancer immunotherapy, Vancouver, Canada. Tumor and host factors regulating anti-tumor immunity. 2016.
270. Sanford Burnham Institute, La Jolla, CA. Tumor and host factors influencing anti-tumor immunity and immunotherapy efficacy. 2016.
271. University of Colorado Denver, CO. Tumor and host factors influencing anti-tumor immunity and immunotherapy efficacy. 2016.
272. Duke University, Durham, NC. Tumor and host factors influencing anti-tumor immunity and immunotherapy efficacy. 2016.
273. University of North Carolina, Chapel Hill, NC. Tumor and host factors influencing anti-tumor immunity and immunotherapy efficacy. 2016.
274. Cancer Update 2016 Symposium, Munster, IN. Rational development of cancer immunotherapies.
275. Cancer Progress, New York, NY. Targeting tumor and host pathways to improve anti-tumor immunity and immunotherapy efficacy. 2016.
276. International Melanoma Working Group, Zagreb, Croatia. Targeting oncogene pathways to restore anti-tumor immunity and immunotherapy efficacy. 2016.
277. NYU, New York, NY. Tumor and host factors influencing anti-tumor immunity and immunotherapy efficacy. 2016.
278. Penn State University, Hershey, PA. Tumor and host factors influencing anti-tumor immunity and immunotherapy efficacy. 2016.
279. Johns Hopkins University, Baltimore, MD. Tumor and host factors influencing anti-tumor immunity and immunotherapy efficacy. 2016.
280. University of Chicago Laboratory Schools high school STEM day, keynote speaker. How immunology is curing cancer. 2016.
281. Phase II symposium, Gleacher Center, Chicago, IL. Rational development of cancer immunotherapies. 2016.
282. AACR annual meeting, New Orleans, LA. 1. Influence of commensal microbiota on anti-tumor immunity. 2. Small molecule approaches to cancer immunotherapy. 3. Cell Press roundtable on the next wave in cancer immunotherapy. 2016.
283. IGO meeting, Nantes, France. Tumor and host factors influencing anti-tumor immunity and immunotherapy efficacy. 2016.
284. Swiss Society of Allergy and Immunology meeting, Montreux, Switzerland. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2016.
285. Texas Tech University, Amarillo, TX. Rational development of cancer immunotherapies. 2016.
286. Dartmouth University, Hanover, NH. Tumor and host factors controlling anti-tumor immunity and

- immunotherapy efficacy. 2016.
287. AAAS conference Bridging Biomedical Worlds on the Microbiota, Hong Kong. Role of the commensal microbiota in anti-tumor immunity and immunotherapy efficacy. 2016.
 288. ASCO annual meeting, Chicago, IL. Discussant: Cancer immunotherapy anti-PD-1 combinations. 2016.
 289. FOCIS annual meeting, Boston, MA. Improving upon anti-PD-1 efficacy by overcoming mechanisms of resistance. 2016.
 290. NCI workshop on the microbiota and cancer, Rockville, MD. Host factors controlling anti-tumor immunity: unexpected role of the commensal microbiota. 2016.
 291. ISREC Symposium on Horizons of Cancer Biology and Therapy, Lausanne, Switzerland. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2016.
 292. SWOG annual meeting, Chicago, IL. Uncovering resistance mechanisms to cancer immunotherapy. 2016.
 293. Cancer Stem Cell Conference 2016, Cleveland, OH. Tumor-intrinsic β -catenin pathway activation mediates immunotherapy resistance. 2016.
 294. UC Davis Cancer Symposium, Sacramento, CA. Keynote speaker: Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2016.
 295. VIII Peruvian International Immunology Congress, Lima, Peru. 1. From T cell anergy to dysfunctional TIL; 2. The commensal microbiota as a regulator of anti-tumor immunity; 3. Immunotherapy strategies based on overcoming resistance mechanisms in the tumor microenvironment. 2016.
 296. Mexican Immunology Society conference on Immuno-oncology, San Miguel de Allende, Mexico. Tumor and host factors regulating anti-tumor immunity. 2016.
 297. La Jolla immunology symposium, La Jolla, CA. Keynote lecture; Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2016.
 298. Australasian Melanoma Congress, Sydney, Australia. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2016.
 299. Spanish Melanoma Group conference, Barcelona, Spain. Immunotherapy strategies based on overcoming resistance in the melanoma tumor microenvironment. 2016.
 300. ESMO Immuno-Oncology conference, Lausanne, Switzerland. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2016.
 301. SITC annual meeting, National Harbor, MD. Central role for Batf3 DCs in anti-tumor immunity. 2016.
 302. Argentinian Immunology Society annual meeting, Mar del Plata, Argentina. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2016.
 303. Japan Society for Biologic Therapy annual meeting, Fukuoka, Japan. Keynote lecture: Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2016.
 304. ASH annual meeting, San Diego, CA. Critical roles for STING pathway and Batf3 DCs in anti-tumor immunity. 2016.
 305. ESMO Asia conference, Singapore. Host microbiota: the third dimension regulating anti-tumor immunity and immunotherapy efficacy. 2016.
 306. Evanston Hospital NorthShore, Evanston, IL. Rational development of cancer immunotherapies. 2017.
 307. International symposium on immune diversity and cancer therapy, Kobe, Japan. A new look at dysfunctional TIL and cancer immunotherapy. 2017.
 308. SITC/ASCO joint conference, Orlando, FL. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
 309. New York Academy of Sciences, NY, NY. New perspectives on dysfunctional tumor antigen-specific T cells. 2017.
 310. University of Nebraska, Omaha, Nebraska. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.

311. OncLive conference on Melanoma, Chicago, IL. Rationale development of new immunotherapies for melanoma. 2017.
312. Keystone conference on cancer immunotherapy, Whistler, Canada. Tumor cell-intrinsic oncogene pathways mediating immunotherapy resistance. 2017.
313. Yale symposium on cancer immunotherapy, New Haven, CT. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
314. AACR annual meeting, Washington, DC. Logical development of combination immunotherapies based on the T cell-inflamed vs. non-T cell-inflamed tumor microenvironment. 2017.
315. Fox Chase Cancer Center, Philadelphia, PA. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
316. Dana Farber Cancer Center, Boston, MA. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
317. South Dakota State University, Sioux Falls, SD. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
318. Central Society for Clinical and Translational Research meeting, Chicago, IL. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
319. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY. Tumor cell-intrinsic oncogene pathways mediating immunotherapy resistance. 2017.
320. Harvard lung cancer symposium, Boston, MA. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
321. International Melanoma Working Group, Athens, Greece. Unexpected role for the commensal microbiota for immunotherapy efficacy. 2017.
322. University of Washington, Seattle, WA. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
323. Cancer Immunotherapy Advances and Challenges Conference, Vanderbilt University, Nashville, TN. Keynote Lecture. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
324. ASCO annual meeting, Chicago, IL. Mechanisms of resistance to cancer immunotherapy. 2017.
325. FOCIS annual meeting, Chicago, IL. Gene expression profiling as a biomarker for immunotherapy efficacy. 2017.
326. EACR-AACR-SIC Special Conference 2017: The Challenges of Optimising Immuno and Targeted Therapies, Florence, Italy. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
327. Cancer Research Institute Patient Summit, Chicago, IL. Rational development of cancer immunotherapies. 2017.
328. CRI/CIMT conference, Mainz, Germany. Coley award lecture: From the tumor microenvironment to effective cancer immunotherapies. 2017.
329. ESMO annual meeting, Madrid, Spain. The microbiota: a new variable in cancer immunotherapy. 2017.
330. Lilly Asia fund workshop, Suzhou, China. New targets in cancer immunotherapy. 2017.
331. CSHL Asia conference, Suzhou, China. Tumor and host factors can dominantly regulate immunotherapy efficacy. 2017.
332. Symposium on Cancer Immunotherapy, Northwestern University, Chicago, IL. Tumor and host factors can dominantly regulate immunotherapy efficacy. 2017.
333. MDACC Immunology retreat, Houston TX. From the tumor microenvironment to effective cancer immunotherapies. 2017.
334. CSHL symposium on Cancer Metastasis and Tumor Microenvironment, Cold Spring Harbor, NY. The tumor microenvironment and cancer immunotherapy. 2017.
335. NCI symposium on Cancer Immunotherapy, Bethesda, MD. Tumor and host factors can dominantly regulate immunotherapy efficacy. 2017.
336. International Bladder Cancer Network conference, Lisbon, Portugal. Biomarkers and cancer

- immunotherapy. 2017.
337. UTSW Cancer Center seminar, Dallas, TX. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
 338. SITC annual meeting, National Harbor, Maryland. Towards an integrated multidimensional predictive biomarker for immunotherapy efficacy versus resistance. 2017.
 339. ESMO Asia conference, Singapore. Commensal microbiota as a new variable impacting on cancer immunotherapy. 2017.
 340. French National Cancer Institute symposium on cancer immunotherapy, Paris, France. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
 341. Melanoma Bridge meeting, Naples, Italy. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2017.
 342. CSHL seminar on cancer biology, Cold Spring Harbor, NY. From the tumor microenvironment to effective cancer immunotherapies. 2017.
 343. UCSF Immunology Program, SF, CA. From the tumor microenvironment to effective cancer immunotherapies. 2018.
 344. Trout Group session at JP Morgan Conference, SF, CA. Moving immunotherapy beyond PD-1. 2018.
 345. SENRI Life Sciences Symposium, Osaka, Japan. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2018.
 346. IION annual retreat, Philadelphia, PA. Commensal microbiota and immunotherapy efficacy. 2018.
 347. International symposium on Bifidobacteria for human health, Tokyo, Japan. Emerging role for the commensal microbiota in cancer immunotherapy. 2018.
 348. CancerCon 2018, Chennai, India. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2018.
 349. UCSD, San Diego, CA. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2018.
 350. Cincinnati Children's Hospital, Cincinnati, Ohio. Tumor and host factors controlling anti-tumor immunity and immunotherapy efficacy. 2018.
 351. Melanoma Research Alliance annual retreat, Washington, D.C. Unexpected role of the commensal microbiota in immunotherapy efficacy. 2018.
 352. Keystone Conference on the Microbiome, Banff, Canada. 1. Commensal microbiota and cancer immunotherapy. 2. Developing bacterial-based strategies as a novel cancer therapeutic. 2018.
 353. Drug Development Conference 2018, Sydney, Australia. Rational approaches towards expanding immunotherapy efficacy. 2018.
 354. Garvan Institute of Medical Research, Sydney, Australia. New insights into T cell dysfunction and cancer immune evasion. 2018.
 355. Yale Cancer Center—Joseph R. Bove M.D. Memorial Lectureship, New Haven, CT. Tumor and host factors regulating anti-tumor immunity and immunotherapy efficacy. 2018.
 356. Washington University School of Medicine—Oliver Langenberg PSTP Symposium, St. Louis, MO. New insights into T cell dysfunction and cancer immune evasion. 2018.
 357. Washington University School of Medicine, Department of Medicine Grand Rounds, St. Louis, MO. Cancer Immunotherapy: from bench to bedside and back again. 2018.
 358. AACR annual meeting, Chicago, IL. Tumor and host factors regulating anti-tumor immunity and immunotherapy efficacy. 2018.
 359. AACR annual meeting, Chicago, IL. Forum: Immunotherapy versus targeted therapy. 2018.
 360. McGill University, Montreal, Canada. The microbiome and cancer immunotherapy. 2018.
 361. European Melanoma Workshop, Jerusalem, Israel. Tumor and host factors regulating anti-tumor immunity and immunotherapy efficacy. 2018.
 362. Mount Sinai School of Medicine, New York, NY. Tumor and host factors regulating anti-tumor immunity and immunotherapy efficacy. 2018.
 363. Hinterzartener Kreis der DFG: From Molecular Mechanisms to Cancer Therapy, Lake Como, Italy. Tumor and host factors regulating anti-tumor immunity and immunotherapy efficacy. 2018.

364. Tumor Immunology Meets Oncology XIV, Halle, Germany. Tumor and host factors regulating anti-tumor immunity and immunotherapy efficacy. 2018.
365. Nobel conference on cancer immunotherapy, Stockholm, Sweden. Tumor and host factors regulating anti-tumor immunity and immunotherapy efficacy. 2018.
366. CNIO symposium on cancer immunotherapy, Madrid, Spain. Tumor and host factors regulating anti-tumor immunity and immunotherapy efficacy. 2018.
367. Molecular Therapeutics of Cancer Research Conference, Sundance, Utah. Molecular immunotherapy targets identified through tumor and host factors regulating anti-tumor immunity. 2018.
368. Jim Allison Symposium on Cancer Immunotherapy, MDACC, Houston, TX. Tumor and host factors regulating anti-tumor immunity and immunotherapy efficacy. 2018.
369. Jackson Laboratory 27th Annual Short Course on Experimental Models of Human Cancer, Bar Harbor, ME. Modeling the complexity of anti-tumor immunity in mice. 2018.