

CURRICULUM VITAE
Andrew G. Brandmaier, MD, PhD

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PRESENT POSITION

Assistant Professor of Radiation Oncology, New York Presbyterian-Weill Cornell Medicine
Clinical focus: Breast Cancer, Brain and Spine Tumors
Member of Disease Management Team for Weill Cornell Breast Center and CNS Malignancies

EDUCATION

8/2000 – 5/2004	Duke University, Durham, NC	BS	Chemistry
8/2004 – 5/2012	Indiana University, Indianapolis, IN	MD	Medicine
6/2006 – 5/2012	Indiana University, Indianapolis, IN	PhD	Immunology

POST-GRADUATE TRAINING

7/2012 – 6/2013	Internship	Transitional Internship, St Francis Hospital, Evanston, IL
7/2014 – 6/2018	Residency	Radiation Oncology, New York Presbyterian-Weill Cornell Medicine, New York, NY
9/2013 – 6/2014	Fellowship	Center for Cancer Research, NIH, Bethesda, MD

AWARDS AND FELLOWSHIPS

10/2017 Distinguished Housestaff Award – Presented annually by New York Weill Cornell Medical Center Alumni Council
5/2017 ASCO Young Investigator Award
5/2016 ASCO Conquer Cancer Foundation Abstract Award and Travel Grant
8/2013 NIH Center for Cancer Research Postdoctoral Fellowship
5/2007 Best First Year Graduate Research Seminar – Voted by Department of Microbiology & Immunology, Indiana University
6/2004 Medical Scientist Training Program Predoctoral Fellowship, Indiana University
6/2003 Summer Undergraduate Research Fellowship, University of Texas Southwestern
7/2003 Howard Hughes Medical Institute Continuing Research Fellowship, Duke University
6/2001 Howard Hughes Medical Institute Summer Undergraduate Research Fellowship, Duke University

GRANT SUPPORT

5/2017 ASCO Young Investigator Award - \$50,000
8/2008 NIH T32 Pre-doctoral Training Grant – NIAID Immunology and Infectious Diseases
5/2004 Medical Scientist Training Program Grant, Indiana University

PROFESSIONAL ACITIVITES

9/2017 Session Co-Chair, International Conference on Immunotherapy Radiotherapy Combinations

6/2016 – 5/2017 Chief Resident, Department of Radiation Oncology

6/2016 – 5/2017 Quality Assurance Representative, Department of Radiation Oncology

PEER-REVIEWED PUBLICATIONS

Brandmaier A, Hou SQ, Shen WH. “Cell Cycle Control by PTEN.” *Journal of Molecular Biology*. 2017 Jul 21; 429(15): 2265-2277.

Brandmaier A, Hou SQ, Demaria S, Formenti SC, Shen WH. “PTEN at the interface of immune tolerance and tumor suppression.” *Frontiers in Biology*. 2017 Jun; 12(3): 163-71.

Ha SP, Klemen ND, Kinnebrew GH, **Brandmaier A**, Marsh J, Hango G, Palmer DC, Restifo NP, Cornetta K, Broxmeyer HE, Touloukian CE. “Transplantation of mouse HSCs genetically modified to express a CD4-restricted TCR results in long-term immunity that destroys tumors and initiates spontaneous autoimmunity.” *Journal of Clinical Investigation*. 2010 Dec 1; 120(12): 4273-88.

Brandmaier A, Leitner WW, Ha SP, Sidney J, Restifo NP, Touloukian CE. “High-avidity autoreactive CD4⁺ T cells induce host CTL, overcome T_{regs} and mediate tumor destruction.” *Journal of Immunotherapy*. 2009 Sep; 32(7): 677-88.

Sherbet DP, Papari-Zareei M, Khan N, Sharma KK, **Brandmaier A**, Rambally S, Chattopadhyay A, Andersson S, Agarwal AK, Auchus RJ. “Cofactors, redox state, and directional preferences of hydroxysteroid dehydrogenases.” *Molecular and Cellular Endocrinology*. 2007 Feb; 265-266: 83-8.

Papari-Zareei M, **Brandmaier A**, Auchus RJ. “Arginine 276 controls the directional preference of AKR1C9 (rat liver 3 alpha- hydroxysteroid dehydrogenase) in human embryonic kidney cells.” *Endocrinology*. 2006 Apr; 147(4): 1591-7.

BOOK CHAPTERS

Brandmaier A, Ramakrishna R, Formenti SC. “Synergy of Immunotherapy and Radiosurgery.” *Central Nervous System Metastases: Diagnosis and Treatment*, New York: Springer, 2019

Brandmaier A, Formenti SC. “Immunotherapy and Radiation.” *Gunderson and Tepper Clinical Radiation Oncology (5th Ed)*, Philadelphia: Elsevier, 2019

ABSTRACTS PRESENTED

Brandmaier A, Thomas K, Kang J, Fenton-Kerimian M, Formenti SC. “Prone partial breast irradiation (PBI): prospective randomized trial to compare five versus three fractions.” ASTRO Annual Meeting, San Antonio, TX, October 2018.

Brandmaier A, Wu X, Christos PJ, Nori D, Formenti S, Nagar H. “The Role of Post-Mastectomy Radiation Therapy for T1-T3, N1 Breast Cancer: Analysis of the National Cancer Database.” ASTRO Annual Meeting, Boston, MA, September 2016.

Brandmaier A, Mauer E, Christos PJ, Nori D, Formenti S, Nagar H. “Multimodality therapy in IIIA-N2 NSCLC: Factors associated with treatment selection and survival.” ASCO Annual Meeting, Chicago, IL, June 2016.

Brandmaier A, Restifo NP, Touloukian CE. “Tyrp1^{-/-} mice vaccinated with Tyrp1 generate high avidity anti-tumor CD4⁺ T cells.” Keystone Symposia, Keystone, CO, January 2008.

Brandmaier A, Restifo NP, Touloukian CE. “Tyrp1^{-/-} mice vaccinated with Tyrp1 generate high avidity T cells that are protective against melanoma.” American Association of Cancer Research, San Francisco, CA, October 2007

SCIENTIFIC AND MEDICAL SOCIETIES

American Society for Radiation Oncology (ASTRO)

American Society of Clinical Oncology (ASCO)

Society for Neuro-Oncology (SNO)