

CURRICULUM VITAE

Michael A. Garcia, M.D., M.S.

Ironwood Cancer & Research Centers
A division of Ironwood Physicians, PC

Business Address: Ironwood Physicians, PC
6111 E Arbor Ave
Mesa, AZ 85206

Work Experience

Ironwood Physicians, PC
Radiation Oncologist

Education

M.D.

Harvard Medical School

M.S. Biological Sciences, with focus on cellular & molecular immunology
Stanford University

B.S. Biological Sciences, with Honors
Stanford University

Post-graduate Training

Resident & Chief Resident, Radiation Oncology
University of California, San Francisco

Internship, Internal Medicine
Kaiser Permanente Santa Clara

Licenses & Certifications

State of Arizona, Medical License

Honors and Awards

Conquer Cancer Foundation of ASCO Merit Award
UCSF Patient Care Fund Award for prostate cancer education
Excellence in Medical Student Teaching, Kaiser Permanente
Harvard Linnane Scholar for academic excellence and community leadership
American Society of Hematology Minority Medical Student Award

National Collegiate Athletic Association (NCAA) Post-Graduate Scholar
Stanford Firestone Medal for top honors thesis
Stanford Center for Teaching & Learning Award for top thesis presentation
Stanford Chicano/Latino Community Senior Award
NCAA Division 1 National Champion
Three-time NCAA Division 1 All American in Track & Field
Five-time NCAA Division 1 All Academic in Track & Field
New Mexico House of Representatives Legislative Session Honor

Committees

Committee on Diversity, Dept. of Radiation Oncology, UCSF
Resident Selection Committee, Dept. of Radiation Oncology, UCSF
Dept. of Radiation Oncology Research Retreat Program Committee, UCSF
Center for Education in Primary Palliative Care, Founding Member, UCSF
Graduate Medical Education Committee, UCSF
Resident and Fellow Council, UCSF
Harvard Medical School Admissions, Main Committee
Harvard Medical School Admissions, Sub-Committee
Multicultural Fellows Committee, Harvard Medical School

Teaching, Advising, and Mentoring

Workshop Leader, Santa Clara County Med. Association Pre-Health Program
UCSF CURE Mentor for African American and Latino High School Boys
Course Designer, Palliative & Communication Skills in Radiation Oncology
Founder, Radiation Oncology Interest Group, UCSF School of Medicine
Panelist, Inside UCSF, Diversity Outreach, UCSF School of Medicine
Mentor, Underrepresented in Medicine Program, UCSF School of Medicine
Mentor, Stanford Alumni Mentorship Program, Stanford University
Invited Panelist, Stanford Bay Area Recruitment Seminar. Oakland, CA
Harvard Minority Medical Alliance, Co-Founder, Harvard University
Medical Students de Las Americas, Co-President, Harvard University
Invited Panelist, Latinos in Health Care 1st Annual Conference. Boston, MA
Invited Panelist, Latino Ivy League Conference. Boston, MA

Professional Society Memberships

American Society of Clinical Oncology (ASCO)
Society of Neuro-Oncology (SNO)
American Society for Radiation Oncology (ASTRO)
American College of Radiology (ACR)
American College of Physicians (ACP)

Clinical Skills in Radiation Oncology

IMRT with image guidance (Varian, Elekta, Siemens)
Helical intensity modulated radiation therapy (TomoTherapy)
Arc therapy (Varian, Truebeam, Elekta Versa HD, Siemens)
Intracranial stereotactic radiosurgery (Gamma Knife, CyberKnife, TrueBeam)
Stereotactic body radiation therapy (CyberKnife, TrueBeam, Versa HD)
High dose rate brachytherapy for prostate and gyn cancers (Ir192) and spinal tumors
(P32)
Low dose rate brachytherapy (I125) for prostate cancer and brain tumors
SDX Respiratory Gating System for gastrointestinal tumors and lung tumors
Intraoperative radiotherapy for breast (Intrabeam), sarcoma, neuroblastoma, GI
(Mobetron)
Orthovoltage radiotherapy (SRT-100 Vision)

Peer Reviewed Publications

Garcia MA, Anwar M, Yu Y, Merritt B, Nakamura J, Hess C, Theodosopoulos P, McDermott M, Sneed PK, Braunstein S. Brain metastasis growth during frameless stereotactic radiosurgery planning may diminish local control. *Accepted to Practical Radiation Oncology on 6/4/18*

Wu SY, Singer L, Boreta L, **Garcia MA**, Fogh SE. Palliative radiotherapy at the end of life. *Submitted to the Int J Radiat Oncol Biol Phys on 4/19/2018.*

Garcia MA, Balboni TA, Braunstein S, Fogh SE, Anderson WG, Pantilat S, Taylor A, Spektor A, Krishnan M, Haas-Kogan, DA, Herten L. Acute pain management in radiation oncology: Quality of care and the impact of an integrated palliative oncology service. *The Journal of Community and Supportive Oncology. 2018;16(1):e8–e13*

Wu A, Garcia MA, Magill ST, Chen W, Vasudevan HN, Perry A, Theodosopoulos P, W, Braunstein SE. Presenting symptoms and prognostic factors for symptomatic

outcomes following resection of meningioma. *World Neurosurg.* December 2017. doi:10.1016/j.wneu.2017.12.012.

Xu MJ, Su D, **Garcia MA**, Deboer R, Tahir P, Anderson W, Braunstein SE, Sherertz T, Palliative oncologic care curricula for providers in resource-limited and underserved communities: A systematic review. *Journal of Cancer Education.* 2017;65(2):87–11. doi:10.1007/s13187-017-1310-8.

Garcia MA, Braunstein S, Anderson WG. A palliative care didactic course for radiation oncology residents *Int J Radiat Oncol Biol Phys.* 2017;97(5):884-885. DOI 10.1016/j.ijrobp.2017.01.011

Garcia MA, Lazar A, Duriseti S, Raleigh DR, Hess C, Fogh SE, Barani IJ, Nakamura JL, Larson D, Theodosopoulos P, McDermott M, Sneed PK, Braunstein S. Risks and outcomes for discovering additional brain metastases on day of stereotactic radiosurgery. *Journal of Neurosurgery.* 2016:1-8. DOI 10.3171/2016.4.JNS152319.

Raleigh DR, Solomon DA, Lloyd S, Lazar A, **Garcia MA**, Sneed PK, Clark JL, McDermott M, Berger M, Tihan T, Haas-Kogan DA. Histopathologic review of pineal parenchymal tumors identifies novel morphologic subtypes and prognostic factors for outcome. *Neuro-Oncology.* 2016; 0,1-22 DOI 10.1093/neuonc/nov105

Garcia MA, Solomon D, Haas-Kogan DA. Exploiting molecular biology for diagnosis and targeted management of pediatric low-grade gliomas. *Future Oncology.* 2016;12(12): 1493-1506. DOI: 10.2217/fon-2016-0039

De Vita S, Schneider RK, **Garcia MA**, Wood J, Gavillet M, Ebert BL, Gerbaulet A, Roers A, Levine RL, Mullally A, Williams DA. Loss of function of TET2 cooperates with constitutively active KIT in murine and human models of mastocytosis. *PLoS ONE* 9(5): e96209. 2014

De Vita S, Mullally A, Schneider-Kramann R, **Garcia MA**, Ebert B, Gerbaulet A, Levine R, Williams D. Cooperation of KitD816V and TET2 Loss of Function in the Pathogenesis of Systemic Mastocytosis and Associated Hematological Malignancies. *Experimental Hematology.* 2013: 41(8): S15

Song JJ, Hwang I, Cho KH, **Garcia MA**, Kim AJ, Wang TH, Lindstrom TM, Lee AT, Nishimura T, Zhao L, Morser J, Nesheim M, Goodman SB, Lee DM, Bridges SL, Gregersen PK, Leung LL, Robinson WH. Plasma carboxypeptidase B

downregulates inflammatory responses in autoimmune arthritis. *The Journal of Clinical Investigation*. 2011 Sep; 121(9): 3517-3527.

Abstracts

Braunstein SE, **Garcia MA**, Flores J, Xu C, Nakamura JL, Menzel PM, Fogh S, Theodosopoulos P, McDermott MW, Sneed PK. Efficacy and toxicity of stereotactic radiosurgery for treatment of patients with 10 or more brain metastases. *Presented at the 2017 Society of Neuro-Oncology Annual Meeting*. *Neuro-Oncology* 2017; Volume 19, issue suppl_6, 6 November 2017, pages vi44

Garcia MA, Balboni TA, Braunstein S, Fogh SE, Anderson WG, Pantilat S, Taylor A, Spektor A, Krishnan M, Haas-Kogan, DA, Herten L. Acute pain management in radiation oncology: Quality of care and the impact of an integrated palliative oncology service. *Presented at the ASCO 2016 Palliative Care in Oncology Symposium*. *J Clin Oncol* 34, 2016 (suppl 26S; abstr 32)

Garcia MA, Anderson W, Fogh S, Nakamura J, Theodosopoulos P, McDermott M, Sneed PK, Braunstein S. Poor prognostic indicators for patients treated with radiosurgery for brain metastases. *Presented at the ASCO 2016 Palliative Care in Oncology Symposium*. *J Clin Oncol* 34, 2016 (suppl 26S; abstr 195)

Garcia MA, Fogh SE, Anderson WG, Herten L, Balboni T, Haas-Kogan DA, Braunstein S. Pain assessment at radiation oncology consultation for bone metastases. *Int J Radiat Oncol Biol Phys*. 2016;96(2): E514–E515 2016. <http://dx.doi.org/10.1016/j.ijrobp.2016.06.1918> 2016 ASTRO Annual Meeting, Abstract # 3262

Yu Y, **Garcia MA**, Sneed PK, Braunstein S. Patterns of failure after adjuvant radiosurgery for surgically resected brain metastases: Surgical tract failures and implications for target delineation. *Int J Radiat Oncol Biol Phys*. 2016;96(2): E130. <http://dx.doi.org/10.1016/j.ijrobp.2016.06.917>. 2016 ASTRO Annual Meeting, Abstract # 2316

Xu C, **Garcia MA**, Braunstein S. Influence of molecular subgroups and systemic therapy on outcomes of metastatic breast cancer patients receiving stereotactic radiosurgery for brain metastases. *Int J Radiat Oncol Biol Phys*. 2016;96(2): E134. <http://dx.doi.org/10.1016/j.ijrobp.2016.06.928>. 2016 ASTRO Annual Meeting, Abstract #2327

Paulsson AK, **Garcia MA**, Fogh SE, Tinkle C, Nakamura J, Sneed PK, Braunstein S. The impact of targeted therapy and immunotherapy on metastatic melanoma patients who undergo stereotactic radiosurgery for brain metastases. *Int J Radiat Oncol Biol Phys*. 2016;96(2): E108. <http://dx.doi.org/10.1016/j.ijrobp.2016.06.864>. 2016 ASTRO Annual Meeting, Abstract #2264.

Solomon D, Raleigh DR, Lloyd S, Lazar A, **Garcia MA**, Sneed PK, Clarke J, McDermott MW, Berger M, Haas-Kogan D, and Tihan T. Histopathologic review of pineal parenchymal tumors identifies novel morphologic subtypes associated with distinct clinical outcomes. *Submitted to American Association of Neuropathologists (AANP) 2016 on 2/29/2016*

Garcia MA, Anderson WG, Fogh SE, Barani IJ, Nakamura JL, Larson DA, Theodosopoulos P, McDermott M, Sneed PK, Braunstein S. Characteristics of patients with poor survival after Gamma Knife radiosurgery for brain metastases. *2016 Leksell Gamma Knife Society Meeting (May 15-19, 2016)*.

Garcia MA, Duriseti S, Fogh S, Barani IJ, Nakamura J, Larson D, Theodosopoulos P, McDermott M, Sneed PK, Braunstein S. Time between diagnostic MRI and frame-fixed stereotactic radiosurgery planning MRI is associated with brain metastasis growth but not worse local control. *Neuro Oncol* (2015) 17 (suppl 5): v196. doi: 10.1093/neuonc/nov231.06. 2015 Society of Neuro-Oncology Annual Meeting, Abstract #0813

Garcia MA, Raleigh D, Magsoudi K, Braunstein E, Clarke J, Sneed PK, Fogh S, Larson D, Nakamura J, Barani IJ, Mueller S, Berger M, Haas-Kogan D. Outcomes and salvage therapy for recurrent choroid plexus tumors: A 25-year single institution experience. *Int J Radiat Oncol Biol Phys*. 2015;93(3):E504-E504. doi:10.1016/j.ijrobp.2015.07.1835. 2015 ASTRO Annual Meeting, Abstract #3260

Garcia MA, Maghsoudi K, Barani IJ, et al. Risks and Outcomes for Discovering Additional Brain Metastases on Frame-Fixed Stereotactic Radiosurgery Planning MRI Scan. *Int J Radiat Oncol Biol Phys*. 2015;93(3):E79-E79. doi:10.1016/j.ijrobp.2015.07.745. 2015 ASTRO Annual Meeting, Abstract #2199.

Paulsson AK, **Garcia MA**, Wahl M, Raleigh, S.E. Fogh, D.A. Haas- Kogan, P.K. Sneed, and S.E. Braunstein . A Pilot Study of Educational Priming for Didactics in Radiation Oncology. *Int J Radiat Oncol Biol Phys*. 2015;93(3):E380-E380. doi:10.1016/j.ijrobp.2015.07.1516. 2015 ASTRO Annual Meeting, Abstract #2947.

Raleigh DR, Lloyd S, Solomon D, Lazar A, Tihan T, Sneed PK, Clarke J, Varenika V, **Garcia MA**, Mueller S, Berger M, and Haas-Kogan D. Outcomes and prognostic factors for pineal parenchymal tumors: A 25-year single institution experience. *Int J Radiat Oncol Biol Phys.* 2015;93(3):E63-E63. doi:10.1016/j.ijrobp.2015.07.704. 2015 ASTRO Annual Meeting, Abstract #2157.

Berkova Z, **Garcia MA**, Wang S, Wise J, Tao RH, Daniluk U, Samaniego F. Direct inhibition of Fas activation by CD74. 2009 American Society of Hematology Annual Meeting, Abstract # 3770

Song J, Nishimura T, **Garcia MA**, Myles T, Ho P, Du X, Sharif S, Leung L, Robinson W. Thrombin activatable carboxypeptidase B prevents anti-collagen antibody induced arthritis. *Clinical Immunology* 2007;123 suppl S98.

Text Book Chapters

Garcia MA. Hansen EK, Roach MR III. Prostate Cancer. In: Handbook of Evidence-Based Radiation Oncology. 3rd Edition. Eds. Hansen EK, Roach MR III. Springer-Verlag, Publishers. *In publication. ISBN-13: 978-3319626413*

Garcia MA. Chang AJ. Renal cell carcinoma. In: Handbook of Evidence-Based Radiation Oncology. 3rd Edition. Eds. Hansen EK, Roach MR III. Springer-Verlag, Publishers. *In publication. ISBN-13: 978-3319626413*

Garcia MA. Chang AJ. Bladder cancer. In: Handbook of Evidence-Based Radiation Oncology. 3rd Edition. Eds. Hansen EK, Roach MR III. Springer-Verlag, Publishers. *In publication. ISBN-13: 978-3319626413*

Garcia MA. Gottschalk A. Cancer of the Penis. In: Handbook of Evidence-Based Radiation Oncology. 3rd Edition. Eds. Hansen EK, Roach MR III. Springer-Verlag, Publishers. *In publication. ISBN-13: 978-3319626413*

Garcia MA. Gottschalk A. Testicular Cancer. In: Handbook of Evidence-Based Radiation Oncology. 3rd Edition. Eds. Hansen EK, Roach MR III. Springer-Verlag, Publishers. *In publication. ISBN-13: 978-3319626413*

Paulsson A, **Garcia MA**, Solomon D, Haas-Kogan D. Low Grade Gliomas. In: Brain Tumors in Children. Eds. Gajjar A, Reaman GH, Racadio JM, Smith F, Springer-Verlag, Publishers. *In publication. ISBN 978-3-319-43205-2*

Patient Education Materials

Garcia MA. Radiation & Hormone Therapy Treatment Timeline Bookmark. UCSF Marketing & Media. Printed for patient care use October 2015.

Oral Presentations and Lectures

Commencement Speaker. Santa Fe High School. Santa Fe, NM. May 24th, 2018.

Session Chair. UCSF Radiation Oncology Update 2018. San Francisco, CA. High Value Care Session. April 21st, 2018.

Lecturer. Departmental Case Conference; Non-small cell lung cancer. UCSF Department of Radiation Oncology. February 7th, 2018.

Lecturer. Departmental Case Conference; Nasopharynx cancer. UCSF Department of Radiation Oncology. May 3rd, 2017.

Speaker. UCSF Education Showcase 2017. San Francisco, CA. Palliative care education for radiation oncology residents; Evaluation of a pilot curriculum. March 20th, 2017.

Lecturer. Evidence Based Medicine in Radiation Oncology for Medical Students. UCSF. September 22nd, 2016.

Lecturer. Introduction to Radiation Oncology for Medical Students. UCSF. July 5th, 2016.

Speaker. UCSF Radiation Oncology Update 2016. San Francisco, CA. Head and Neck Cancers Session; Head and Neck Cases. April 9th, 2016.

Speaker. UCSF Education Showcase 2016. San Francisco, CA. Palliative Care & Communication Skills curriculum for radiation oncology residents. April, 5th 2016.

Speaker. Society of Neuro-Oncology Annual Meeting. San Antonio, TX. Time between diagnostic MRI and frame-fixed stereotactic radiosurgery planning MRI is associated with brain metastasis growth but not worse local control. November 20, 2015.

Lecturer. Morbidity & Mortality. UCSF. Optic neuritis after conventional whole brain radiotherapy. October 9th, 2015.

Lecturer. UCSF. Heterotopic Ossification; Pathophysiology and evolution of radiation based prophylaxis. September 23rd, 2014 and October 17th, 2016

Speaker. Grand Rounds Presentation. Cancer and the mind: The neurocognitive and neuropsychiatric effects of malignancy. Kaiser Permanente, Santa Clara, CA. May 6th, 2013

Speaker. American Society of Hematology Annual Meeting. New Orleans, LA. Talk Title: The role of CD74 in Blocking Apoptosis in Lymphoma." December 7th, 2009.

Speaker. Stanford University Achauer Honors Symposium Platform Presentations for Top Honors Theses. Talk Title: Osteopontin is released from the mast cell by C5a stimulation and promotes mast cell migration. June 1st, 2007.

Hobbies and other interests

Running, mentorship, outdoors