

## CURRICULUM VITAE

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

Ironwood Cancer & Research Centers  
A division of Ironwood Physicians, PC  
8880 E Desert Cove Ave  
Scottsdale, AZ 85260

#### Education

- 2008-2012 M.D.  
Harvard Medical School
- 2007-2008 M.S. Biological Sciences, with focus on cellular & molecular immunology  
Stanford University
- 2003-2007 B.S. Biological Sciences, with Honors  
Stanford University

#### Post-graduate Training

- 2014-2018 Resident & Chief Resident, Radiation Oncology  
University of California, San Francisco
- 2012-2013 Internship, Internal Medicine  
Kaiser Permanente Santa Clara

#### Licenses & Certifications

- 5/2019 Board Certified in Radiation Oncology
- 2/2018 State of Arizona, Medical License Number 55617

#### Honors and Awards

- 7/2016 Conquer Cancer Foundation of ASCO Merit Award
- 5/2015 UCSF Patient Care Fund Award for prostate cancer education
- 6/2013 Excellence in Medical Student Teaching, Kaiser Permanente
- 3/2010 Harvard Linnane Scholar for academic excellence and community leadership
- 3/2009 American Society of Hematology Minority Medical Student Award
- 6/2008 National Collegiate Athletic Association (NCAA) Post-Graduate Scholar
- 6/2007 Stanford Firestone Medal for top honors thesis
- 6/2007 Stanford Center for Teaching & Learning Award for top thesis presentation
- 6/2007 Stanford Chicano/Latino Community Senior Award
- 3/2007 NCAA Division 1 National Champion
- 2004-2007 Three-time NCAA Division 1 All American in Track & Field
- 2004-2007 Five-time NCAA Division 1 All Academic in Track & Field
- 2003 New Mexico House of Representatives Legislative Session Honor

#### Committees

- 2015 – 2018 Committee on Diversity, Dept. of Radiation Oncology, UCSF
- 2015 – 2017 Resident Selection Committee, Dept. of Radiation Oncology, UCSF

2017 Dept. of Radiation Oncology Research Retreat Program Committee, UCSF  
2016 – 2017 Center for Education in Primary Palliative Care, Founding Member, UCSF  
2015 – 2016 Graduate Medical Education Committee, UCSF  
2015 – 2016 Resident and Fellow Council, UCSF  
2011 – 2012 Harvard Medical School Admissions, Main Committee  
2009 – 2010 Harvard Medical School Admissions, Sub-Committee  
2009 – 2011 Multicultural Fellows Committee, Harvard Medical School

### **Teaching, Advising, and Mentoring**

2018 Workshop Leader, Santa Clara County Med. Association Pre-Health Program  
2017 UCSF CURE Mentor for African American and Latino High School Boys  
2016 Course Designer, Palliative & Communication Skills in Radiation Oncology  
2016 Founder, Radiation Oncology Interest Group, UCSF School of Medicine  
2016 Panelist, Inside UCSF, Diversity Outreach, UCSF School of Medicine  
2015-2018 Mentor, Underrepresented in Medicine Program, UCSF School of Medicine  
2013-present Mentor, Stanford Alumni Mentorship Program, Stanford University  
2012 & 2014 Invited Panelist, Stanford Bay Area Recruitment Seminar. Oakland, CA  
2008 – 2012 Harvard Minority Medical Alliance, Co-Founder, Harvard University  
2009 Medical Students de Las Americas, Co-President, Harvard University  
4/2009 Invited Panelist, Latinos in Health Care 1<sup>st</sup> Annual Conference. Boston, MA  
11/2008 Invited Panelist, Latino Ivy League Conference. Boston, MA

### **Professional Society Memberships**

2015-present American Society of Clinical Oncology (ASCO)  
2014-present American Society for Radiation Oncology (ASTRO)  
2014-present American College of Radiology (ACR)  
2013-present 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 (HDR)  
Accelerated partial breast irradiation using HDR with SAVI device  
Low dose rate brachytherapy (I125) for 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. *Pract Radiat Oncol*. 2018 Nov-Dec;8(6)e369-e375. <https://doi.org/10.1016/j.prro.2018.06.004>
- Wu SY, Singer L, Boretta L, **Garcia MA**, Fogh SE, Braunstein SE. Palliative radiotherapy at the end of life. *BMC Palliative Care*. 2019;18(1):29. [Doi: 10.1186/s12904-019-0415-8](https://doi.org/10.1186/s12904-019-0415-8)
- Garcia MA**, Balboni TA, Braunstein S, Fogh SE, Anderson WG, Pantilat S, Taylor A, Spektor A, Krishnan M, Haas-Kogan, DA, Hertan 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, McDermW, 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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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, Mullaly A, Schneider-Kramann R, **Garcia MA**, Ebert B, Gerbault 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**, Xu C, Nakamura JL, Menzel PM, Fogh S, Theodosopoulos P, McDermott MW, Sneed PK, Braunstein SE. Stereotactic radiosurgery for  $\geq 10$  brain metastases. *Int J Radiat Oncol Biol Phys*. 2017;99(2): E74–E75. <http://doi.org/10.1016/j.ijrobp.2017.06.769>. 2017 ASTRO Annual Meeting, Abstract # 2175

**Garcia MA**, Balboni TA, Braunstein S, Fogh SE, Anderson WG, Pantilat S, Taylor A, Spektor A, Krishnan M, Haas-Kogan, DA, Hertan 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, Hertan 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. *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. *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. *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. *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. *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. *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 24<sup>th</sup>, 2018.

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

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

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

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

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

Lecturer. Introduction to Radiation Oncology for Medical Students. UCSF. July 5<sup>th</sup>, 2016.

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

Speaker. UCSF Education Showcase 2016. San Francisco, CA. Palliative Care & Communication Skills curriculum for radiation oncology residents. April, 5<sup>th</sup> 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 9<sup>th</sup>, 2015.

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

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

Speaker. American Society of Hematology Annual Meeting. New Orleans, LA. Talk Title: "The role of CD74 in Blocking Apoptosis in Lymphoma." December 7<sup>th</sup>, 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 1<sup>st</sup>, 2007.

### **Hobbies and other interests**

Running, mentorship, outdoors