

## Serguei A. Castaneda, M.D.

Radiation Oncologist  
CB Oncology Partners  
Clinical Assistant Professor  
Herbert Wertheim College of Medicine  
Florida International University

### EDUCATION

- 07/2015-06/2019 **Radiation Oncology Residency.**  
Hahnemann University Hospital – Drexel University College of Medicine, Philadelphia, PA and Christiana Care Health System, Newark, DE.
- 01/2019-03/2019 **Radiation Oncology Electives in Pediatrics and Central Nervous System.**  
Hospital of the University of Pennsylvania, Perelman Center for Advanced Medicine, Philadelphia, PA.
- 01/2018-06/2018 **Radiation Oncology Visiting Scholarship.**  
Hospital of the University of Pennsylvania, Perelman Center for Advanced Medicine, Philadelphia, PA.
- 07/2017-12/2018 **Radiation Oncology Chief Resident.**  
Hahnemann University Hospital – Drexel University College of Medicine, Philadelphia, PA and Christiana Care Health System, Newark, DE.
- 07/2012-06/2015 **Internal Medicine Residency.**  
Icahn School of Medicine at Mount Sinai, Mount Sinai St. Luke’s and Roosevelt, New York, NY.
- 07/2014-08/2014 **Radiation Oncology Research Elective in Cervical Cancer.**  
Montefiore Medical Center, New York, NY.
- 10/2013-11/2013 **Radiation Oncology Clinical Elective in the Genitourinary Service.**  
Memorial Sloan Kettering Cancer Center, New York, NY.
- 05/2013-06/2013 **Internal Medicine Clinical Elective in the Leukemia Service.**  
Memorial Sloan Kettering Cancer Center, New York, NY.
- 12/2012-02/2013 **Radiation Oncology Research Elective in Prostate Cancer.**  
Memorial Sloan Kettering Cancer Center, New York, NY.
- 10/2012-11/2012 **Internal Medicine Elective in the Lymphoma Service.**  
Memorial Sloan Kettering Cancer Center, New York, NY.
- 08/2009-08/2011 **Post-Doctoral Research Fellowship in Hematology and Radiation Biology.**  
Boston University School of Medicine, Boston, MA.
- 06/2003-03/2007 **Post-Doctoral Research Fellowship in Hematology and Pharmacology.**  
Boston University School of Medicine, Boston, MA.
- 01/2003-06/2003 **Post-Doctoral Research Fellowship in Molecular Biology and Biochemistry.**  
Harvard Medical School - Massachusetts General Hospital, Boston, MA.
- 01/1996-12/2002 **Medical Doctor (M.D.).**  
Universidad de Antioquia School of Medicine, Medellin, Colombia.
- 01/2002-06/2002 **Clinical Transitional Internship.**  
Universidad de Antioquia School of Medicine, Medellin, Colombia.
- 07/2002-12/2002 **Pre-Doctoral Research Internship in Genetics and Molecular Biology**  
Harvard Medical School - Massachusetts General Hospital, Boston, MA.

## CLINICAL EXPERIENCE

- 11/2023-present Radiation Oncologist, Department of Radiation Oncology, CB Oncology Partners, Cutler Bay, FL.
- 10/2022-10/2023 Radiation Oncologist, Radiation Oncology Service, Miami Cancer Institute, Baptist Health South Florida, Miami, FL. Credentialed at Baptist Hospital of Miami, South Miami Hospital, and Baptist Health Cancer Center in Plantation.
- Specialization by disease sites: CNS & spine, thoracic, breast, pediatrics, sarcoma, hematologic, and skin.
- 09/2021-09/2022 Radiation Oncology Locum Tenens, Specialist Medical Services PC, Las Vegas, NV.
- Department of Radiation Oncology, UPMC Hillman Cancer Center, University of Pittsburgh, Pittsburgh, PA. Sites: UPMC Horizon and UPMC Hillman Cancer Center at Indiana Regional Medical Center.
  - Department of Radiation Oncology, Fresno Cancer Center, US Cancer Management Corporation, Fresno, CA.
  - Department of Radiation Oncology, Kona Community Hospital - Hawaii Health Systems Corporation and The Queen's Medical Center, Kealahou, HI.
- 09/2019-07/2021 Radiation Oncologist, Department of Radiation Oncology, Jefferson Community Practice, Jefferson University Hospitals, Philadelphia, PA. Credentialed at Jefferson Torresdale Hospital, Nazareth Hospital, and Mercy Catholic Medical Campus Center (Fitzgerald Campus and Philadelphia Campus).

## RADIATION TECHNICAL SKILLS

- Technologies: 3DCRT, IMRT, VMAT, IGRT, IMPT (pencil beam scanning), MRgRT, TBI, electron therapy, TSEBT, HDR/LDR brachytherapy, radionuclide therapy (I-131 and Y-90 TheraSphere/SIR-Sphere), and surface guided radiation therapy (Vision RT).
- Machines: Linacs (Varian, Elekta, and Siemens), Leksell GammaKnife Esprit (Elekta), Cyber Knife (Accuray), Radixact TomoTherapy (Accuray), ZAP-X Gyroscopic Radiosurgery (ZAP Technologies), Gyro Knife (GammaStar Group), MRIdian (ViewRay), and Proton Therapy PROTEUS PLUS (IBA).
- Planning Systems: Eclipse, RayStation, Pinnacle, MIM, Accuray Precision, Leksell GammaPlan, MRIdian A3i System, Ocentra, Velocity, and VariSeed.
- EHRs: Aria, Mosaic, Epic, Cerner, PowerChart, AllScripts, Meditech, and ONCOCHART.

## HONORS AND AWARDS

- 09/2023 2023 Best Volunteer of the Year, Rayos Contra Cancer, Non-Profit Organization based in U.S.
- 02/2018 Travel Grant, Liberia Medical Mission, Philadelphia, PA. To participate in a medical mission in Monrovia, Liberia.
- 08/2017 Global Health Scholar Program Award, American Society for Radiation Oncology – Association of Residents in Radiation Oncology, Arlington, VA. To participate in a radiation oncology elective at ONCOSERV in Santo Domingo, Dominican Republic.
- 08/2017 Travel Grant, ONCOSERV, Santo Domingo, Dominican Republic. To attend the XV International Congress of the Dominican Society of Hematology and Oncology and I Congress of the Dominican Societies of Surgical Oncology and Gynecology Oncology, Punta Cana, Dominican Republic.
- 04/2017 Global Radiation Oncology Workforce (GROW) Scholarship, American College of Radiation Oncology, Philadelphia, PA. To participate in a journey through the Kathmandu to Everest Base Camp as part of an advocacy and fundraiser initiative led by Radiating Hope, Himalayas, Nepal.
- 02/2017 Travel Grant, American Brachytherapy Society, Reston, VA. To attend the 2017 ABS School of Prostate Brachytherapy, Fort Lauderdale, FL.
- 11/2009 Basic Science Travel Grant, American Society for Radiation Oncology, Arlington, VA. 51st Annual Meeting, Chicago, IL.

08/2009-08/2011	Post-Doctoral Fellow, NIH T32 Training Grant (HL-007501-28), National Heart, Lung and Blood Institute, Bethesda, MD.
10/2009	Clinical Hematology Research Award, Colombian Society of Clinical Hematology and Oncology and Tecnofarma, Bogota, Colombia.
03/2009	Alien of Extraordinary Ability in Research, Permanent Resident of the United States, U.S. Citizenship and Immigration Services, Washington, DC.
01/2009	Outstanding Teaching Achievement Award, Universidad de Antioquia School of Engineering, Medellin, Colombia.
07/2003	Travel Grant, International Society on Thrombosis and Haemostasis, Carrboro, NC. XIX ISTH Congress & 49th Annual SSC Meeting, Birmingham, England.
09/2002	XIII Medical Research Award, Colombian National Academy of Medicine and Aventis Pharma, Bogota, Colombia.
06/2002	“Guillermo Velasquez Tangarife” Scholarship Award for Outstanding Academic and Research Achievements, Universidad de Antioquia School of Medicine and Rotary Club of Medellin-Occidente, Medellin, Colombia. To participate in an exchange program to study at Harvard Medical School, Boston, MA.
06/2001-06/2002	Young Investigator Scholarship Award, Universidad de Antioquia School of Medicine, Medellin, Colombia.
07/2001	Travel Grant, International Society on Thrombosis and Haemostasis, Universidad de Antioquia School of Medicine, Bicol Ltda, and Rotary Club of Medellin-Occidente, Medellin, Colombia. To attend the XVIII ISTH Congress & 47th Annual SSC Meeting.
12/2000	Outstanding Academic Achievement Award, Universidad de Antioquia School of Medicine, Medellin, Colombia.
08/1999	Travel Grant, Universidad de Antioquia School of Medicine, Medellin, Colombia. To attend the XVII ISTH Congress & 45th Annual SSC Meeting, Washington, DC.
12/1995	Honorable Distinction for Outstanding Performance during Mandatory Military Service, National Police, Metropolitan Police Valle de Aburra, Medellin, Colombia.

#### JOURNAL PUBLICATIONS

1. Li B, Perez T, Hao J, Rodriguez D, Oladeru O, **Castaneda SA**, Sarria GR. Willingness to pay for high-quality remote radiation oncology training in Latin America. *Critical Reviews in Oncology/Hematology*. 2022;169:103546.
2. Shah S, **Castaneda SA**, Dzeda M, Shah S. The role of CyberKnife radiosurgery in the management of trigeminal neuralgia. *Delaware Medical Journal*. 2020;92(1):28-32.
3. Chen VE, Lombardo JF, **Castaneda SA**, Winkfield KM, Fisher SA, Gressen EL, Rudoler SB, Yan W, Gajjar SR. Disparities in lung cancer for Black patients in the US: an overview of contributing factors and potential strategies. *Applied Radiation Oncology*. 2020;9(4):16-20.
4. Li B, Sarria GR, Hermansen M, Hao J, Martinez D, Garcia B, Liu J, McLeod M, **Castaneda S**, Oladeru OT, Lee B, Sarria GJ, Gay H, Chetty IJ, Roa D. Impact of a SBRT/SRS longitudinal telehealth training pilot course in Latin America. *Critical Reviews in Oncology/Hematology*. 2020;154:103072.
5. **Castaneda SA**, Khalili M, Emrich J, Zoghbi VM, Weingarten MS, Rivard MJ, Bowne WB, Poli J. Report of the first patient treated for pelvic sarcoma with a directional 103Pd brachytherapy device. *Advances in Radiation Oncology*. 2019;5(1):127-133.
6. Sims-Mourtada J, **Castaneda SA**, Huang D, McGlade J, Shah S, Romak L, Raben A, Mourtada F. Dosimetric characterization of an abscopal response in a patient with oligometastatic melanoma undergoing concurrent treatment with pembrolizumab and stereotactic radiotherapy. *Cancer Studies and Molecular Medicine*. 2018;4(1):1-4.
7. Gajjar SR, Mellon EA, **Castaneda SA**, Romero Zoghbi S, Llorente R, DeGennaro V, Grover S, Cruz Ventura N. Assessment of the radiotherapy model in the Dominican Republic and its impact on the Caribbean Islands. *International Journal of Radiation Oncology, Biology, Physics*. 2018;101(3):503-509.

8. Faller DV, **Castaneda SA**, Zhou D, Vedamony M, Newburger PE, White GL, Kosanke S, Plett PA, Orschell CM, Boosalis MS, Perrine SP. An oral Hemokine™,  $\alpha$ -methylhydrocinnamate, enhances myeloid and neutrophil recovery following irradiation in vivo. *Blood Cells Molecules & Diseases*. 2017;63:1-8.
9. **Castaneda SA**, Romak LB. Radiotherapy for anal cancer: intensity-modulated radiotherapy and future directions. *Surgical Oncology Clinics of North America*. 2017;26(3):467-475.
10. **Castaneda SA**, Strasser J. Updates in the treatment of breast cancer with radiotherapy. *Surgical Oncology Clinics of North America*. 2017;26(3):371-382.
11. Cardona H, **Castaneda SA**, Cardona-Maya W, Alvarez L, Gomez J, Gomez J, Torres JD, Tobon L, Bedoya G, Cadavid AP. Lack of association between recurrent pregnancy loss and inherited thrombophilia in a group of Colombian patients. *Thrombosis*. 2012;2012(367823):1-6.
12. Boosalis MS, **Castaneda SA**, Trudel M, Mabaera R, White GL, Lowrey CH, Emery DW, Mpollo MS, Shen L, Wargin WA, Bohacek R, Faller DV, Perrine SP. Novel therapeutic candidates, identified by molecular modeling, induce  $\gamma$ -globin gene expression in vivo. *Blood Cells, Molecules & Diseases*. 2011;47(2):107-116.
13. Perrine SP, **Castaneda SA**, Chui DH, Faller DV, Berenson RJ, Siritanaratku N, Fucharoen S. Fetal globin gene inducers: novel agents and new potential. *Annals of the New York Academy of Sciences*. 2010;1202:158-164.
14. McMahon L, Tamary H, Askin M, Adams-Graves P, Rucknagel DL, Eberhardt RT, Wright EC, **Castaneda SA**, Faller DV, Perrine SP. A randomized phase II trial of Arginine Butyrate with standard local therapy in refractory sickle cell leg ulcers. *British Journal of Haematology*. 2010;151(5):516-524.
15. Roman-Gonzalez A, Cardona H, Cardona-Maya W, Alvarez L, **Castaneda S**, Martinez J, Torres JD, Tobon L, Bedoya G, Cadavid A. The first homozygous family for prothrombin G20210A polymorphism reported in Latin America. *Clinical and Applied Thrombosis/Hemostasis*. 2009;15(1):113-116.
16. Cardona H, Cardona-Maya W, Gomez JG, **Castaneda S**, Gomez JM, Bedoya G, Alvarez L, Torres JD, Tobon LI, Cadavid A. Relationship between methylenetetrahydrofolate reductase polymorphism and homocysteine levels in women with recurrent pregnancy loss: a nutrigenetic perspective. *Nutricion Hospitalaria*. 2008;23(3):277-282.
17. Mankidy R, Faller DV, Mabaera R, Lowrey CH, Boosalis MS, White GL, **Castaneda SA**, Perrine SP. Short-chain fatty acids induce gamma-globin gene expression by displacement of a HDAC3-NCOR repressor complex. *Blood*. 2006;108(9):3179-3186.
18. Torres J, Cardona H, Alvarez L, Cardona-Maya W, **Castaneda SA**, Quintero-Rivera F, Cadavid A, Bedoya G, Tobon L. Inherited thrombophilia is associated with deep vein thrombosis in a Colombian population. *American Journal of Hematology*. 2006;81(12):933-937.
19. **Castaneda S**, Boosalis MS, Emery D, Thies A, Faller DV, Perrine SP. Enhancement of growth and survival and alterations in Bcl-family proteins in beta-thalassemic erythroid progenitors by novel short-chain fatty acid derivatives. *Blood Cells, Molecules & Diseases*. 2005;35(2):217-226.
20. Perrine SP, **Castaneda SA**, Boosalis MS, White GL, Jones BM, Bohacek R. Induction of fetal globin in beta-thalassemia: cellular obstacles and molecular progress. *Annals of the New York Academy of Science*. 2005;1054:257-265.
21. **Castaneda-Ospina SA**, Cardona-Maya WD, Bueno-Sanchez JC, Cadavid-Jaramillo AP. Pregnancy outcome in women with antiphospholipid syndrome and alloimmunity: a case report. *Sao Paulo Medical Journal*. 2003;121(6):248-250.
22. **Castaneda SA**, Cardona WD, Cadavid AP. Inherited thrombophilia and recurrent pregnancy loss. *Iatreia*. 2002;15(3):170-178.
23. Cordoba A, Arbelaez LF, **Castaneda SA**. Fasting homocysteine plasma concentration in healthy people from the city of Medellin. *Acta Medica Colombiana*. 2002;27(4):194-197.

## BOOK CHAPTERS

1. Romero Zoghbi SE, Rodríguez D, Li B, Trejo Mena JM, **Castaneda S**. Prophylactic radiation therapy in primary testicular lymphoma: a radiation oncology perspective, in *Clinical Case Radiation Oncology: GenesisCare Case Reports Spain*, Lopez Ramirez E, Romero Zoghbi S, Andreescu Yague J, Eds. (GenesisCare, Spain, 2021:82-91; ISBN 978-84-09-29370-4).
2. Perrine SP, **Castaneda SA**. Thalassemia, in *Conn's Current Therapy 2007; latest approved methods of treatment for the practicing physician*, Rakel RE, Bope ET, Eds. (Elsevier Saunders, Philadelphia, 2007:470-475; ISBN 1-4160-3281-9).

## INVITED ORAL PRESENTATIONS

1. **Castaneda SA**. Module IV: Central nervous system. Refresher Course: 1<sup>st</sup> Symposium ACRO- ALATRO, endorsed by ASTRO on Stereotactic Radiotherapy and Radiosurgery, Bogota, Colombia, 2023.
2. **Castaneda SA**. Benign pathology of the central nervous system. Refresher Course: 1<sup>st</sup> Symposium ACRO-ALATRO, endorsed by ASTRO on Stereotactic Radiotherapy and Radiosurgery, Bogota, Colombia, 2023.
3. **Castaneda SA**. Final exam review and conclusion, telehealth education to radiation oncology therapists in Latin America. *Rayos Contra Cancer, U.S.*, 2023.
4. **Castaneda SA**. Pelvic nodal contouring, telehealth education to radiation oncology practitioners in Asia. *Rayos Contra Cancer, U.S.*, 2022.
5. **Castaneda SA**. Global Health in Radiation Oncology. *GenesisCare, Spain*, 2021.
6. **Castaneda SA**. Global Health Scholars Program: Dominican Republic. ASTRO's 60<sup>th</sup> Annual Meeting, American Society for Radiation Oncology, San Antonio, TX, 2018.
7. **Castaneda SA**. Global health initiatives in Nepal: 2017 ACRO-GROW scholarship. 2018 ACRO Annual Meeting, Fort Lauderdale, FL, 2018.
8. Torres-Landa S, Zoghbi V, **Castaneda SA**, Sánchez-Labrador D. NAFTA future uncertainty, prospective factual analysis negotiation, and potential implications. Annual Meeting, Penn in Latin America and the Caribbean (PLAC) for a panel presentation. Philadelphia, PA, 2017.
9. **Castaneda SA**, Romero Zoghbi S. Updates in non-small cell lung cancer. XV International Congress of the Dominican Society of Hematology and Oncology and I Congress of the Dominican Societies of Surgical Oncology and Gynecology Oncology, Punta Cana, Dominican Republic, 2017.
10. **Castaneda SA**, Kemmerer E, Komarnicky LT. Comparison of legal needs of patients with cancer along economic and geographic factors. ARS 98<sup>th</sup> Meeting, American Radium Society 100<sup>th</sup> Anniversary, Philadelphia, PA, 2016.
11. **Castaneda SA**. Chronic myelogenous leukemia: side effect profile of tyrosine-kinases inhibitors. Leukemia conference, Leukemia Service, Department of Medicine, Memorial Sloan-Kettering Cancer Center, New York, NY, 2013.
12. **Castaneda SA**. Myelodysplastic disorders: 5q minus syndrome. Lymphoma conference, Lymphoma Service, Department of Medicine, Memorial Sloan-Kettering Cancer Center, New York, NY, 2013.
13. **Castaneda SA**. How to write a manuscript: results section, tables, and figures. Academic English Classes, Park Street Church, Boston, MA, 2011.
14. **Castaneda SA**. ST7 enhances myeloid proliferation *in vitro* and neutrophil recovery in sub-lethally irradiated mice. Resident Lectures, Department of Radiation Oncology, Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL, October 2009.
15. **Castaneda SA**, Cordoba A, Arbelaez LF, Meneses B. Status of homocysteine and some components of fibrinolysis concentrations: thrombogenic link in classic homocystinuria. II International Congress and V Colombian Congress of Genetics, Bogota, Colombia, Abstracts book. 2002; page 31.
16. **Castaneda SA**, Cordoba A, Arbelaez LF, Meneses B. Tissue activator and plasminogen activator inhibitor type 1 concentrations in patients with classic homocystinuria. II International Congress and V Colombian Congress of Genetics, Bogota, Colombia, Abstracts book. 2002; page 34.

17. Cordoba A, Arbelaez L, **Castaneda S**, Meneses B. Tissue plasminogen activator and plasminogen activator inhibitor type 1 concentrations in patients with classic homocystinuria. I Inter-University Symposium of Biomedical Research, Medellin, Colombia, 2001. *Iatreia*. 2002;15(1):250.
18. Cordoba A, Arbelaez L, **Castaneda S**, Meneses B. Concentration Status of homocysteine and some components of fibrinolysis: thrombogenic link in classic homocystinuria. I Inter-University Symposium of Biomedical Research, Medellin, Colombia, 2001. *Iatreia*. 2002;15(1):250.
19. Cadavid AP, **Castaneda SA**. Thrombophilia and recurrent pregnancy loss. Symposium of Thrombophilia in the Obstetrics and Gynecology Practice, University Hospital San Vicente de Paul, School of Medicine, University of Antioquia, Medellin, Colombia, 2001.

#### POSTER PRESENTATIONS (SELECTED FROM OVER 30)

1. Appel HR, Odia Y, Saxena A, Roy M, Mohler A, Kotecha R, Hall MD, Ahluwalia MS, Mehta MP, **Castaneda SA**. Evaluating the diagnostic performance of leptomenigeal diagnosis with CNSide compared to standard cytology. 2023 ASCO Annual Meeting, Chicago, IL, June 2023. *Journal of Clinical Oncology*. 2023;41(suppl 16):abstract 2028.
2. Li B, Engwo A, Perez T, MacDuffie E, Hao J, Trejo JM, Garcia B, Martinez Perez DA, Eugenio C, Quiroz LN, Molina MA, Zoghbi SR, Usuga FA, Solis F, Schwartzmann R, Carrión Encalada AV, Rodriguez D, González-Motta A, Sarria GR, Oladeru OT, **Castaneda SA**. Variability of current clinical practices for locally advanced cervical cancer through assessment of contouring, prescription, and IMRT/VMAT planning abilities. 2020 ASTRO Annual Meeting, American Society for Radiation Oncology, Online, October 2020. *International Journal of Radiation Oncology, Biology, Physics*. 2020;108(3S):e423-e424.
3. Li B, **Castaneda SA**, Sherry AD, Hao J, Oladeru OT, McLeod M, Hermansen M, Anderson JL, Trump S, Lo C, Mula-Hussain L, Gay HA, Bajpai S, Ayala-Peacock D, Morales M, Roa DE. The implementation of Rayos Contra Cancer: beginning a global health social enterprise. 2019 ASTRO Annual Meeting, American Society for Radiation Oncology, Online, October 2020. *International Journal of Radiation Oncology, Biology, Physics*. 2019;105(1S):e443-e444.
4. **Castaneda SA**, Shah SS, Shah SA. Long-term follow up of a novel fractionated regimen using stereotactic radiosurgery for trigeminal neuralgia. 12th Annual International Symposium on Stereotactic Body Radiation Therapy and Stereotactic Radiosurgery, Orlando, FL, February 2019.
5. Li B, **Castaneda SA**, Oladeru O, Sherry A, Ning M, Perez T, Sarria G, Anderson J, Lo C, Morales M, Ayala-Peacock D, Roa D, Mula-Hussain L, Jhingran A. Regional Analysis of intensity-modulated radiotherapy planning differences: Latin American Cooperative Study 1 (LACOS-1) baseline results and next steps. ICEC Young Investigators' Conference: Pioneering Action in Global Cancer Care, Washington, DC, February 2019.
6. **Castaneda SA**, Gajjar S, Quiroz L, Komarnicky LT, Romero Zoghbi SE. ASTRO/ARRO Global Health Scholar Program: Pediatric Radiation Oncology in Dominican Republic. 50th Congress of the International Society of Paediatric Oncology (SIOP), Kyoto, Japan, November 2018. *Pediatric Blood & Cancer*. 2018;65(S2):e27455, PO-701.
7. **Castaneda SA**, Shah SA. Novel fractionated regimen using stereotactic radiosurgery for trigeminal neuralgia. ASTRO's 60<sup>th</sup> Annual Meeting, American Society for Radiation Oncology, San Antonio, TX, October 2018. *International Journal of Radiation Oncology, Biology, Physics*. 2018;102(3):e234.
8. Gajjar S, Balogun O, **Castaneda SA**, DeGennaro V, Grover S, Llorente R, Mehta S, Mellon EA, Romero Zoghbi SE, Cruz Ventura N. Assessment of the radiotherapy resources in the Dominican Republic. 2018 ARS Annual Meeting, American Radium Society, Orlando, FL, May, 2018. *International Journal of Radiation Oncology, Biology, Physics*. 2018;101(2):E36.
9. Gajjar S, Balogun O, **Castaneda SA**, DeGennaro V, Grover S, Llorente R, Mehta S, Mellon EA, Romero Zoghbi SE, Cruz Ventura N. Assessment of the Radiotherapy Practice in the Dominican Republic. 2018 ARS Annual Meeting, American Radium Society, Orlando, FL, May, 2018. *International Journal of Radiation Oncology, Biology, Physics*. 2018;101(2):E36-E37.

10. **Castaneda SA**, Emrich J, Bowne WB, Kemmerer EJ, Sangani R, Khalili M, Rivard MJ, Poli J. Clinical outcomes using a novel directional <sup>103</sup>Pd brachytherapy device: 20-month report of a patient with leiomyosarcoma of the pelvic sidewall. 2018 Annual Meeting of the American College of Radiation Oncology, Fort Lauderdale, February, FL.
11. **Castaneda SA**, Kropp LM, Daugherty L, Fisher BJ, Huang J, Patel S, Pandit S, Sapkota S, Bonsall H, Cogswell A, Ladd T, Komarnicky LT. Global health initiatives in Nepal: perspectives from radiation oncology residents and physicians. 2018 Annual Meeting of the American College of Radiation Oncology, Fort Lauderdale, February, FL.
12. **Castaneda SA**, Gajjar S, Cordun O, Quiroz L, Komarnicky LT, Romero Zoghbi SE. Pediatric radiation oncology in Dominican Republic: global health opportunities. 2018 Annual Meeting of the American College of Radiation Oncology, Fort Lauderdale, FL.
13. Sangani R, Sherry T, Jagadeesh A, Ranganna S, **Castaneda SA**, Brady LW, Poli J. A population-based study of race and prostate cancer treatment outcomes. 2018 Annual Meeting of the American College of Radiation Oncology, Fort Lauderdale, February, FL.
14. McGlade J, Huang D, Soldner A, Arnold K, Flynn N, **Castaneda SA**, Raben A, Sims-Mourtada J, Mourtada F. Synergistic effects of immunotherapy and spatially variant radiation therapy. HFGCCRI Symposium, Newark, NJ, June 2017.
15. **Castaneda SA**, Shah SA, Huang D, Sims-Mourtada J, Mourtada F. Priming immune responses with CyberKnife SBRT: the potential role of dosimetry variables. ASCO-SITC Clinical Immunology Symposium, Orlando, FL, February 2017.
16. **Castaneda SA**, Kemmerer E, Komarnicky LT. Comparison of legal needs of patients with cancer along economic and geographic factors. ASTRO's 58<sup>th</sup> Annual Meeting, American Society for Radiation Oncology, Boston, MA, September 2016.
17. **Castaneda SA**, Dickson-Witmer D, Witmer H, Murphy E, Witmer DR, Hall-McBride R, Guarino M. Does sentinel lymph node biopsy impact systemic therapy recommendations? Precision Medicine in Radiation Oncology: Personalizing Radiation Treatment, Co-sponsored by NCI, ASTRO and AAPM, Bethesda, MD, June 2016.
18. **Castaneda SA**, Bednar T, Price R, Komarnicky-Kocher L. Comparison of legal needs of patients with cancer along economic and geographic factors. BC3 Breast Cancer Coordinated Care: an Interdisciplinary conference, MedStar Georgetown University Hospital, Washington, DC, March 2016.
19. Mankidy R, Faller DV, Mabaera R, Lowrey CH, Boosalis MS, White GL, **Castaneda SA**, Perrine SP. Short-chain fatty acids induce gamma-globin gene expression by displacement of HDAC3-NCoR repressor complex. 15<sup>th</sup> International Hemoglobin Switching Meeting, Oxford, United Kingdom, 2006. Abstract Book. 2006; poster 38.
20. **Castaneda SA**, Emery DW, McMahan LC, Adewoye A, Steinberg MH, Shi PA, Smit-Mulder A, Atweh GF, Perrine SP. Erythropoiesis during combination therapy with hydroxyurea + pulsed arginine butyrate compared to hydroxyurea-alone. 29<sup>th</sup> Annual Meeting of the National Sickle Cell Disease Program, Memphis, TN, April 2006. Abstract Book. 2006; page 85.
21. Boosalis MS, **Castaneda SA**, Faller DV, Perrine SP. Expression of Bcl-family proteins in beta-thalassemia. 45<sup>th</sup> Annual Meeting of the American Society of Hematology, San Diego, CA. *Blood*. 2003;102(11):1887a.

#### TEACHING EXPERIENCE

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|-----------------|--|
| 03/2023-present | Clinical Assistant Professor, Herbert Wertheim College of Medicine, Florida International University, Miami, FL.   |
| 11/2022-present | Educator and Moderator, telehealth education to create sustainable access to high-quality, timely, and affordable radiation treatment for cancer in limited-resource settings globally, Rayos Contra Cancer, Non-Profit Organization based in U.S. |
| 08/2020-06/2021 | Continuing Medical Education (CME) Course Director, Medical Grand Rounds, Nazareth Hospital, Trinity Health, Philadelphia, PA.   |
| 01/2012-05/2012 | Instructor/Teaching Associate, CityLab Academy and Program in Biomedical Laboratory & Clinical Sciences, Boston University School of Medicine and Metropolitan College, Boston, MA. <i>Course</i> : Cell culture techniques (GMS BT454 A1).        |

- 01/2012-05/2012 Adjunct Professor, English for Engineers Program, Universidad de Antioquia School of Engineering, Medellin, Colombia.  
*Course:* English for engineers I (ILE 2538200) – Distance Learning.
- 09/2011-12/2011 Teaching Fellow, Graduate Medical Sciences Program, Boston University School of Medicine, Boston, MA.  
*Courses:*  
Module I - Protein structure, catalysis, and interactions (GMS FC701 A1).  
Module II - Structure and function of the genome (GMS FC702 A1).  
Modules III - Architecture and dynamics of the cell (GMS FC703 A1).
- 09/2011-12/2011 Teaching Assistant, Program in Biomedical Laboratory & Clinical Sciences, Boston University School of Medicine and Metropolitan College, Boston, MA.  
*Course:* Techniques in molecular biology (GMS BT413 A1).
- 09/2011-12/2011 Teaching Assistant, CityLab Academy, Boston University School of Medicine and Metropolitan College, Boston, MA.  
*Course:* Introduction to Biomedical Laboratory Sciences (GMS BT110).
- 07/2008-12/2008 Adjunct Professor, English for Engineers Program, Universidad de Antioquia School of Engineering, Medellin, Colombia.  
*Course:* English for engineers I (ILE 2538200) – Semi-Distance Learning.
- 06/2001-12/2001 Teaching Assistant, Department of Anatomy, Universidad de Antioquia School of Medicine, Medellin, Colombia.  
*Course:* Basic and biomedical sciences pathway.

#### **LEADERSHIP EXPERIENCE**

- 09/2023-present Member, International Committee, American Society for Radiation Oncology, Arlington, VA.
- 09/2023-present Member, Health Equity Education Committee, Health Equity, Diversity and Inclusion Council, American Society for Radiation Oncology, Arlington, VA.
- 09/2023-present Member, Science Education and Program Development Subcommittee, Science Council, American Society for Radiation Oncology, Arlington, VA.
- 11/2022-present Musculoskeletal Tumor Society (MSTS) metastatic disease task force, Spine Section.
- 10/2022-09/2023 Member, Science Education and Program Development Subcommittee, American Society for Radiation Oncology, Arlington, VA.
- 08/2022-present Member, Education Committee, American College of Radiation Oncology, Temple Terrace, FL.
- 02/2022-present Member, New Practitioner Committee, American College of Radiation Oncology, Temple Terrace, FL.
- 01/2021-06/2021 Member, Disparity, Equity, and Inclusion Council, Jefferson Torresdale Hospital, Thomas Jefferson University, Philadelphia, PA.
- 10/2020-09/2021 Member, Promoting Science through Research and Training Committee, Science Council, American Society for Radiation Oncology, Arlington, VA.
- 08/2020-06/2021 Member, Community Outreach Sub-Committee, Disparity and Inclusion Council, Nazareth Hospital, Trinity Health, Philadelphia, PA.
- 11/2019-06/2021 Cancer Liaison Physician, Cancer Committee, Commission on Cancer, Nazareth Hospital Cancer Program, Trinity Health, Philadelphia, PA.
- 09/2019-06/2021 Member, Medical Executive Committee, Nazareth Hospital, Trinity Health, Philadelphia, PA.
- 09/2019-06/2021 Director, Department of Radiation Oncology, Nazareth Hospital, Trinity Health, Philadelphia, PA.
- 09/2019-06/2021 Member, Medical Executive Committee, Nazareth Hospital, Trinity Health, Philadelphia, PA.
- 09/2019-06/2021 Member, Radiation Safety Committee, Nazareth Hospital, Trinity Health, Philadelphia, PA.
- 02/2019-10/2021 Vice-President, Director of Research, Rayos Contra Cancer, Inc, Nashville, TN.
- 07/2018-10/2021 Member, Board of Directors, Rayos Contra Cancer, Inc, Nashville, TN.
- 10/2017-09/2019 Member, Promoting Science through Research and Training Committee, Science Council, American Society for Radiation Oncology, Arlington, VA.
- 01/2017-06/2019 Co-Chair, Global Health Subcommittee, Association of Residents in Radiation Oncology, American Society for Radiation Oncology, Arlington, VA.



- 01/2016-06/2019 Member, Global Health Subcommittee, Association of Residents in Radiation Oncology, American Society for Radiation Oncology, Arlington, VA.
- 10/2016-09/2017 Member, Clinical, Translational and Basic Science Advisory Subcommittee, Science Council, American Society for Radiation Oncology, Arlington, VA.
- 04/2007-08/2009 Member, Board of Advisors, Guillermo Velasquez Tangarife International Scholarship Program, Universidad de Antioquia School of Medicine, Medellin, Colombia.

**COMMUNITY AND MENTORING EXPERIENCE**

- 10/2017-present Volunteer, Liberia Medical Mission, Philadelphia, PA.
- 10/2016-06/2016 Mentor, medical students, Drexel University College of Medicine, Philadelphia, PA.
- 09/2016-06/2019 Mentee, American College of Radiation Oncology, by Kevin L. Du, MD, PhD, NYU School of Medicine, New York, NY.
- 09/2011-05/2012 Mentor, CityLab Academy, Boston University School of Medicine and Metropolitan College, Boston, MA.
- 04/2007-08/2009 Mentor, medical students, Guillermo Velasquez Tangarife International Scholarship Program, Universidad de Antioquia School of Medicine, Medellin, Colombia.
- 01/1999-12/2001 Community Educator, University Camps of Social Promotion, Medellin, Colombia.

**PROFESSIONAL SOCIETIES**

- 02/2023-present Radiosurgical Society, San Jose, CA.
- 02/2017-2020 American Brachytherapy Society, Reston, VA.
- 07/2015-present American Society for Radiation Oncology, Arlington, VA.
- 07/2015-present American College of Radiology, Reston, VA.
- 07/2015-present Radiating Hope Society, Salt Lake City, UT.
- 07/2014-2021 American College of Radiation Oncology, Philadelphia, PA.

**BOARD AND AHA CERTIFICATIONS**

- 09/2021-present Diplomate, American Board of Radiology – Radiation Oncology, ABR ID 74631.
- 07/2022-07/2023 BLS/ACLS Provider, American Heart Association.
- 01/2022-01/2024 Radiology X-Ray Supervisor and Operator (California State).
- 05/2011 Educational Commission for Foreign Medical Graduates Certificate, ECFMG # 0-707-440-4.

**DEA REGISTRATION**

- 07/2022-08/2025 Controlled Substance Registration Certification FC1803368 (Florida State).
- 07/2022-08/2025 Controlled Substance Registration Certification FC8612485 (Hawaii State).
- 07/2019-07/2022 Controlled Substance Registration Certification FC8612485 (Pennsylvania State).

**MEDICAL LICENSES**

- 07/2022-01/2024 State of Hawaii Medical License MD-22691.
- 12/2021-01/2024 State of Florida Medical License ME154215.
- 07/2021-07/2023 State of California Medical License A 174184.
- 07/2019-12/2022 State of Pennsylvania Medical License MD468296.
- 2015-2019 State of Pennsylvania Training License MT209957.
- 2015-2019 State of Delaware Training License C7-0006110.
- 05/2011 Education Commission for Foreign Medical Graduates 0-707-440-4
- 2008-present Medical License in Spain Credencial Serie A No. 0658866/2008/H16569.
- 2007-present Medical Registry Number in Colombia 5-2689-07.

**LANGUAGES**

Native/Functionally Native in both English and Spanish.

**HOBBIES**

I enjoy diverse culinary scenes and bike trails, as well as walking our dog with my wife.