

CURRENT AFFILIATION

- **The Urology Center of Colorado**, Denver, CO
Radiation Oncologist, Department of Radiation Oncology, July 2022- Present

PROFESSIONAL TRAINING

- **University of Colorado Department of Radiation Oncology**, Denver, CO
Chief Resident, July 2021- June 2022
- **University of Colorado Department of Radiation Oncology**, Denver, CO
Radiation Oncology Residency, July 2018- June 2021
- **Maimonides Medical Center Preliminary Internal Medicine**, Brooklyn, NY
Internal Medicine Residency, July 2017- June 2018
- **Mount Sinai School of Medicine**, New York, NY
Cancer Immunology Research Assistant, June 2011- June 2013

EDUCATION

- **Drexel University College of Medicine**, Philadelphia, PA
Doctor of Medicine, Medical Humanities Scholar, August 2013-May 2017
- **Barnard College, Columbia University**, New York, NY
Bachelor of Arts with distinction in Neuroscience and Behavior, August 2007-May 2011

BOARD CERTIFICATION & LICENSURE

- **American Board of Radiology**, Radiation Oncology, Effective May 2023
- **Colorado State Medical License**, May 2023- April 2025
- **Drug Enforcement Administration License**, May 2022- Jan 2025
- **National Board of Medical Examiners**, April 2018

TECHNICAL SKILLS

- **Linear accelerator platforms:** Technical experience with Varian Halcyon, Varian TrueBeam, STx, Elekta Versa HD, and Tomotherapy
- **Radiation planning systems:** Proficiency with Eclipse, Monaco, MIM, and BrainLab
- **Intensity modulated radiation therapy (IMRT):** Sites include genitourinary, gastrointestinal, head & neck, central nervous system, gynecologic, breast and thoracic malignancies
- **Image-guided radiation therapy (IGRT):** Including cone beam CT & stereoscopic imaging
- **Stereotactic body radiotherapy (SBRT):** Sites include prostate, lung, pancreatic, and liver cancers, as well as metastases to lymph node, bone, lung, adrenal, and spine
- **Stereotactic radiosurgery (SRS):** Experience with linear accelerator and gamma-knife for intracranial and spinal diseases
- **Prostate LDR/HDR brachytherapy:** Experience with pre-treatment planning, transrectal ultrasound based transperineal implantation, CT & MRI treatment planning, and post-treatment dosimetry
- **Genitourinary procedures:** Fiducial marker and rectal hydrogel spacer placement
- **Respiratory management:** Routine use of 4DCT, gating with fiducials for pancreas & liver SBRT, and deep inspiratory breath-hold (DIBH) for breast treatment
- **Unsealed sources:** Including radium-223 and iodine-131

QUALITY IMPROVEMENT INITIATIVES

- **Development of the Canopy Cancer Collective: The first learning health network to overcome pancreatic cancer**
Multi-institutional collaboration, January 2020- Present
- **American College of Radiology E. Stephen Amis, Jr., MD, Fellow in Quality and Safety**
Fellowship recipient, July 2021-July 2022
- **Implementation of guidelines developed for patients with a cardiovascular implantable electronic device undergoing radiation therapy**
University of Colorado, Jan 2020- July 2022
- **Development of intra- and inter-departmental guidelines for effective patient communication and reducing physician burnout**
University of Colorado, Aug 2020- July 2022
- **Radiation Oncology Patient Safety Representative**
University of Colorado, Sept 2020- July 2022
- **Quality, Safety, & Operations Committee Member**
University of Colorado Radiation Oncology Department, Jan 2020- July 2022
- **Quality and Safety Academy: Institute for Healthcare Quality, Safety, and Efficiency Course**
University of Colorado School of Medicine, January 2019- June 2019

PUBLICATIONS

In preparation or submitted

Moskalenko M, Barqawi A, Al-Musawi M, Kavanagh, BD, Robin TP, Nath SK. Salvage External Beam Radiotherapy Following Cryotherapy Failure. *Manuscript in preparation for submission to International Journal of Radiation Oncology Biology Physics.*

Moskalenko M, Meyers S, Fisher G, Hingorani, S, Hong T, Narang A, Weiss M, Korah B, Schefter T, Herman J. Canopy Cancer Collective: Implementation of a Novel Learning Health Network. *Manuscript in preparation for submission to JAMA Oncology.*

Moskalenko M, Kim H, Chin RI, Roy A, Badiyan SN, Bauer P, Fakhoury K, Henke LE, Herter W, Lieu CH, Moyer AM, Mutch M, Parikh PJ, Pedersen K, Schefter T, Silveira M, Srivastava G, Vogel JD, Chapman B, and Olsen JR. Multi-Institutional Comparison of SC-TNT and LC-TNT for Rectal Cancer Non-Operative Management. *Manuscript in preparation for submission to International Journal of Radiation Oncology Biology Physics.*

Published

Moskalenko M, Jones BL, Mueller A, et al. Fiducial Markers Allow Accurate and Reproducible Delivery of Liver Stereotactic Body Radiation Therapy. *Curr Oncol.* 2023 May

Moyer AM, Vogel JD, Lai SH, Chin RI, **Moskalenko M**, et al. Total Neoadjuvant Therapy in Rectal Cancer: Multi-center Comparison of Induction Chemotherapy and Long-Course Chemoradiation Versus Short-Course Radiation and Consolidative Chemotherapy. *J Gastrointest Surg.* 2023 May

Chapman BC, Lai S, Friedrich T, Lieu C, **Moskalenko M**, Olsen J, Herter W, Birnbaum E, McCarter MD, Vogel JD. Rectal Cancer: Clinical and Molecular Predictors of a Complete Response to Total Neoadjuvant Therapy. *Disease of the Colon and Rectum.* 2022 Jan

Moskalenko M, Zacccone J, Fiscelli C, Wieworka J, Anderson R, Choflet A, Martens, S, Goodman KA, Golden D, Nath S. Assessment of Radiation Oncology Nurse Education in the United States. *International Journal of Radiation Oncology Biology Physics.* 2021 Jan

Moskalenko M, Robin TP. Immune Checkpoint Inhibitors and Radiation Therapy for Brain Metastases: A Review. *Transl Cancer Res.* 2021

Moskalenko M, Asai M, Beem K, Pezzi TA, Brophy CL, Noonan K, Pezzi CM. Incidence of Surgical Site Infections after Thyroid and Parathyroid Surgery: No Role for Antimicrobial Prophylaxis. *Am Surg.* 2018 Jun

Moskalenko M, Lane J, Mitchell M, Rosenzweig S. Artist's Statement: Abstract art as reflective practice. *Acad Med.* 2017 Feb

Gagnidze K, Hajdarovic K, **Moskalenko M**, Karatsoreos I, McEwen BS, Bulloch K. REV-ERB α mediates circadian sensitivity to mortality in murine vesicular stomatitis virus-induced encephalitis. *Proc Natl Acad Sci.* May 2016

de Moll EH, Fu Y, Qian Y, Perkins SH, Wieder S, Gnjatic S, Remark R, Bernardo SG, **Moskalenko M**, Yao J, Ferringer T, Chang R, Chipuk J, Horst BA, Birge MB, Phelps RG, Saenger YM. Immune biomarkers are more accurate in prediction of survival in ulcerated than in non-ulcerated primary melanomas. *Cancer Immunol Immunother.* 2015 Sept

Moskalenko M, Pan M, Fu Y, de Moll EH, Hashimoto D, Mortha A, Leboeuf M, et al. Requirement for innate immunity and CD90⁺ NK1.1⁻ lymphocytes to treat established melanoma with chemo-immunotherapy. *Cancer Immunol Res.* 2015 Mar

Pan M, Harcharik S, **Moskalenko M**, Lubber A, Bernardo S, Levitt J. Instructional video for teaching venepuncture. *Clin Teach.* 2014 Oct

Harcharik S, Bernardo S, **Moskalenko M**, Pan M, Sivendran M, Bell H, et al. Defining the role of CD2 in disease progression and overall survival among patients with completely resected stage-II to -III cutaneous melanoma. *J Am Acad Dermatol.* 2014 Jun

Sivendran S, Chang R, Pham L, Phelps RG, Harcharik ST, Hall LD, Bernardo SG, **Moskalenko M**, et al. Dissection of immune gene networks critical for anti-tumor surveillance in stage II-III resectable melanoma. *J Invest Dermatol.* 2014 Aug

Remez RE, Thomas EF, Dubowski KR, Koinis SM, Porter NA, Paddu NU, **Moskalenko M**, Grossman YS. Modulation sensitivity in the perceptual organization of speech. *Atten Percept Psychophys.* 2013 Oct

Jean YY, Ribe EM, Pero ME, **Moskalenko M**, Iqbal Z, Marks LJ, Greene LA, Troy CM. Caspase-2 is essential for c-Jun transcriptional activation and Bim induction in neuron death. *Biochem J;* 2013 Oct

Moskalenko M, Bernardo SG, Pan M, Shah S, Sidhu HK, Sicular S, Harcharik S, Chang R, Friedlander P, Saenger YM. Elevated Rates of Transaminitis during Ipilimumab Therapy for Metastatic Melanoma. *Melanoma Research;* 2013 Feb

Harcharik S, **Moskalenko M**, Bernardo S, Sivendran M, Saenger YS, Sivendran S. The role of targeted therapy in cancer treatment. *Journal of Lancaster General Health;* 2012

PRESENTATIONS AND ABSTRACTS

Moskalenko M, Kim H, Chin RI, Roy A, Badiyan SN, Bauer P, Fakhoury K, Henke LE, Herter W, Lieu CH, Moyer AM, Mutch M, Parikh PJ, Pedersen K, Schefter T, Silveira M, Srivastava G, Vogel JD, Chapman B, and Olsen JR.

Oral presentation: Multi-Institutional Comparison of SC-TNT and LC-TNT for Rectal Cancer Non-Operative Management. *ASTRO*; October 2021, Chicago, IL

Moskalenko M, Zacccone J, Fiscelli C, Wieworka J, Anderson R, Choflet A, Goodman KA, Golden D, Nath S. Poster: Needs Assessment of Radiation Oncology Nurse Education: A Critical Gap. *ASTRO*; September 2019. Chicago, IL

Moskalenko M, Asai M, Brody K, Pezzi C. Poster: Incidence of Surgical Site Infections after Thyroid and Parathyroid Surgery: Antimicrobial prophylaxis is not advantageous. *American College of Surgeons Annual NSQIP Conference*; July 2016. San Diego, CA

Moskalenko M, Lane J, Mitchell M, Rosenzweig S. Oral presentation: The Art of Self-Reflection: Welcoming the Creative Arts into Professionalism Small Groups. *Academy of Professionalism in Health Care*; April 2016. Philadelphia, PA

Moskalenko M, Asai M, Brody K, Pezzi C. Oral presentation: Incidence of Surgical Site Infections after Thyroid and Parathyroid Surgery: Antimicrobial prophylaxis is not necessary. *Conjoint Meeting with the Philadelphia Academy of Surgery and the New York Surgical Society*; April 2016. Philadelphia, PA

Moskalenko M, Gagnidze K, Bulloch K. Poster: The effect of circadian rhythm on the development of vesicular stomatitis viral induced encephalitis. *Discovery Day*; October 2014. Philadelphia, PA

Moskalenko M, Pan M, Hashimoto D, Mortha A, Saenger YM. Poster: Therapeutic efficacy of anti-tumor monoclonal antibodies combined with chemotherapy depends on innate immunity and NK1.1- innate lymphoid cells. *AACR Tumor Immunology Conference*; December 2012. Miami, FL

LEADERSHIP POSITIONS & HONORS

- ASTRO Abstract GI Cancer Science Highlights Award, October 2021
- House Staff Association Representative for Radiation Oncology, July 2019-July 2022
- Radiation Oncology Patient Safety Representative, Sept 2020- July 2022
- ARRO Education Subcommittee Representative, Sept 2020- July 2022
- Maimonides Medical Center Intern of the Month, July 2017
- Barnard College Dean's List, 2009-2011
- Herbert Maule Richards Award, Barnard Biology Department, 2010
- USA Rhythmic Gymnastics National Team Member, 2005-2007
- USA Rhythmic Gymnastics Education Award, 2007

PROFESSIONAL MEMBERSHIPS

- **American Society of Radiation Oncology Member**, July 2018- Present
- **American Board of Radiology Member**, July 2019- Present
- **Society for Women in Radiation Oncology**, July 2020- Present
- **America Brachytherapy Society**, Oct 2020-Present

LANGUAGES

- **Russian**: fluent in conversation, proficient in reading
- **Spanish**: proficient in conversation, reading, and writing

PROFESSIONAL REFERENCES

- Available upon request