

# Robert Lee Hong, M.D.

## Work Address

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Radiation Oncology/Cyberknife  
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## Home Address

419 Lincoln St. North  
Arlington, VA 22201  
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## **PROFESSIONAL**

*07/2008-Present*

**VIRGINIA HOSPITAL CENTER,**  
Radiation Oncologist, Medical Director  
Founder and President, Arlington Radiation Oncology, PLLC

*07/2010-Present*

Assistant Clinical Professor in Radiation Medicine  
Georgetown University School of Medicine

*05/2013-Present*

Assistant Clinical Professor of Radiology  
George Washington University School of Medicine

## **EDUCATION**

*07/2004-06/2008*

**LOYOLA UNIVERSITY MEDICAL CENTER**  
Resident Physician in Radiation Oncology; Chief Resident  
Program Director: Richard Garza, MD  
Chairman: Bahman Emami, MD

*06/2003-06/2004*

**JOHNS HOPKINS UNIVERSITY/SINAI HOSPITAL**  
Intern in Internal Medicine  
Program Director: Steven Gambert, MD

*08/1998-05/2003*

**MEDICAL COLLEGE OF GEORGIA SCHOOL OF MEDICINE**  
Doctor of Medicine

*08/1994-05/1998*

**UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL**  
B.A. Chemistry, Honors Program, Phi Beta Kappa

## **RESEARCH**

*07/2004-07/2008*

**LOYOLA UNIVERSITY MEDICAL CENTER**  
Resident Physician

- Mentor: Bahman Emami, M.D.
- Research Focus: Novel integration of Positron Emission Tomography (PET) in radiation therapy treatment planning.

*06/1999-12/2001*

**HARVARD MEDICAL SCHOOL/BRIGHAM & WOMEN'S HOSPITAL**  
Medical Student Research Fellow

- Mentor: Steven Gullans, Ph.D.
- Research Focus: Functional genomic analyses of human tissues using DNA microarrays (Affymetrix GeneChips), and bioinformatics including database development, cluster analysis, and internet integration.

**CERTIFICATIONS** Licensed Physician in the State of Illinois, 036-114682  
Licensed Physician in the State of Virginia, 0101242910  
Licensed Physician in the State of Maryland, D73281  
NPI: 1952572604 DEA: FH0677584  
United States Medical Licensing Examinations Step I-III  
Advanced Care Life Support  
Board Certified in Radiation Oncology (The American Board of Radiology) thru 6/3/2019

**PUBLICATIONS**

*Articles:*

**R. Hong**, et al. Robotic Stereotactic Body Radiation Therapy for Edlerly Medically Inoperable Early-Stage Non Small Cell Lung Cancer. *Lung Cancer: Targets and Therapy*. August 2013, Vol 2013:4, pp35-42.

S. Karam, Z Horne, **R. Hong**, D. McRae, D. Duhamel, N. Nasr. Dose Escalation with Stereotactic Body Radiation Therapy Boost for Locally Advanced Non Small Cell Lung Cancer. *Radiation Oncology*. Manuscript accepted for publication.

**Robert Hong** and Joel Goldwein. Image Guided Radiotherapy in Practice. *Wavelength: News and advances in the management and treatment of serious disease*. Accepted for Publication.

**Hong RL**, Halama J, Bova D, Sethi A, Emami B. Correlation of PET Standard Uptake Value and CT Window-Level Thresholds for Target Delineation in CT-based Radiation Treatment Planning. *International Journal of Radiation Oncology, Biology and Physics*. March 1, 2007; Volume 67, Issue No. 3

Reddy S, **Hong RL**, Nagda S, Emami B. A 30-Year Experience on the Effect of Tumor Bulk on Local Control and Survival in T1 Glottic Cancer. *International Journal of Radiation Oncology, Biology and Physics*. December 1, 2007. Vol 69, No 5, 1389-1394.

Sadlier D, Papallo A, Zhang Ji-Liang, **Hong RL**, Best N, Jensen KE, Gullans SR, Jensen RV, Hsiao LL. Rethinking House Keeping genes: Expression Patterns of “House-Keeping Genes” alone can fingerprint human diseases. In preparation.

Papalla A, Sadlier D, Teng I, **Hong RL**, Gullans SR, Jensen RV, Hsiao LL. Identifications and Applications of Organ-Specific Constant and Variant House Keeping Genes. In preparation.

Li-Li Hsiao, Takumi Yoshida, **Robert Hong**, Steven Gullans, et al. A Compendium of Gene Expression in Normal Human Tissues Reveals Distinct Expression patterns of Housekeeping Genes. *Physiological Genomics*. 2001 Dec 21; 7(2): 97-104. PubMed ID: 11773596

Markert JM, Fuller CM, Gillespie GY, Bubien JK, McLean LA, **Hong RL**, Lee K, Gullans SR, Mapstone TB, Benos DJ. Differential Gene Expression Profiling in Human Brain Tumors. *Physiological Genomics*. 2001 February 5:21-33.  
PubMed ID: 11161003

L.L. Hsiao, R.S. Stears, **R.L. Hong**, S.R. Gullans. The prospective use of cDNA arrays for evaluating gene regulation-expression in kidney disease. *Current Opinions in Nephrology and Hypertension*. 2000 May; 9(3):253-8.  
PubMed ID: 10847326

**Hong R.L.**, Dix, D.J. Protective mechanisms in germ cells: stress proteins in spermatogenesis. *Advances in Experimental Medical Biology*. 1998; 444:137-43; discussion 143-4. Review.  
PubMed ID: 10026943

**Hong R.L.**, J.B. Garges, Dix, D.J. Inhibition of hsp70-1 and hsp70-3 expression disrupts preimplantation embryogenesis and heightens embryo sensitivity to arsenic. *Molecular Reproduction and Development*. 51:373-380 (1998).  
PubMed ID: 9820195

*Book Chapters:*

**Hong, R.L.**, Petruzzelli, G. Cervical Neck Metastasis from Unknown Head and Neck Primary; Awaiting publication.

**Hong R.L.**, Dix, D.J. Reproductive Toxicology: In Vitro Germ Cell Developmental Toxicology, from Science to Social and Industrial Demand. Edited by J. del Mazo. Plenum Press, New York, 1998. pp137-144.

*Abstracts:*

Il Kyoon Kim, Robert Starke, Donald McRae, Nadim Nasr, Anthony Caputy, George Cernica, **Robert Hong**, Jonathan H Sherman. Volumetric Analysis of CyberKnife Treatment for Brain Metastasis. Submitted to the American Association of Neurological Surgeons (AANS) AANS/CNS 11<sup>th</sup> Biennial Satellite Tumor Symposium. 2015.

**Robert Hong**, Il Kyoon Kim, Robert Starke, Donald McRae, Nadim Nasr, Anthony Caputy, George Cernica, Jonathan H Sherman. Accumulated tumor volume correlates with neurologic outcomes in patients with Brain Metastases treated with Radiosurgery. Submitted to the American Society of Radiation Oncology (ASTRO) 57<sup>th</sup> Annual Meeting, San Antonio, TX October 18-21, 2015.

Z. H. Rana, N. Nasr, H. Ji, V. Lorio, S. Akbari, M. Sebastian, M. Martin, **R. L. Hong**. Strut-based vs. Balloon-based Brachytherapy: Hotspots, Skin Doses, and Rib Doses. American Brachytherapy Society Annual Meeting. Accepted for Oral Presentation. Orlando, FL, April 9-11, 2015.

Z. H. Rana<sup>1</sup>, **R. L. Hong**<sup>2</sup>, D. McRae<sup>2</sup>, G. Bernstein<sup>2</sup>, R. Mordkin<sup>2</sup>, A. Joel<sup>2</sup>, N. Nasr<sup>2</sup>, <sup>1</sup>Howard University College of Medicine, Washington, DC, <sup>2</sup>Virginia Hospital Center, Arlington, VA. The Impact of Patient Characteristics on Voiding Symptoms, Irritative Symptoms, and Sexual Function Following Stereotactic Body Radiotherapy For Prostate Cancer. American Society of Clinical Oncology Genitourinary Cancer Symposium. Orlando, Florida. February 26-28, 2015.

Z. H. Rana<sup>1</sup>, **R. L. Hong**<sup>2</sup>, J. Han<sup>2</sup>, I. Chen<sup>2</sup>, M. Nurhussien<sup>2</sup>, N. M. Nasr<sup>2</sup>, <sup>1</sup>Howard University College of Medicine, Washington, DC, <sup>2</sup>Virginia Hospital Center, Arlington, VA. The Effect Of MRI Or PET Fusion In Radiotherapy Treatment Planning On The Pathological Complete Response Rate In Rectal Adenocarcinoma. American Society of Clinical Oncology Gastrointestinal Cancer Symposium. San Francisco, California January 15-17, 2015.

Catheryn Yashar, Deanna Attai, MD, Ernest Butler, MS, John P Einck, Steven E Finkelstein, MD, Ben Han, MD, **Robert L Hong, MD**, Lydia T Komarnicky, MD, Maureen Lyden, MS, Sudha B Mahalingam, MD, Constantine A Mantz, MD, Nadim Nasr, MD, Stephen S Nigh, MD, Jondavid Pollock, MD, Jay E Reiff, PhD, Daniel Scanderbeg, PhD, Margaret B. Snyder, RN, Jon Strasser, MD, Robert Kuske, MD. Recurrence rates, stratified by age and histology, for accelerated partial breast irradiation using strut-based brachytherapy: A report on 1005 patients. San Antonio Breast Cancer Symposium, December 8-12, 2014. Abstract published at SABCS.

Jon Strasser MD, Christopher D. Koprowski MD, Dayee Jacob MS, Robert R. Kuske MD, Deanna J. Attai MD, Lydia Komarnicky MD, Jay Reiff PhD, Jondavid Pollock MD, Ernest Butler MS, Ben Han MD, Sudha Mahalingam MD, Constantine Mantz MD, Steven E. Finkelstein MD, **Robert Hong MD**, Maureen Lyden MS, Daniel Scanderbeg PhD, Catheryn Yashar MD. Strut-based brachytherapy in 113 patients (114 breasts) with 5 mm or less skin bridge thicknesses and median follow up of 33 months. Poster Presentation at the American Society of Breast Surgeons, April 30-May 4, 2014.

John P. Einck MD, Daniel Scanderbeg PhD, Robert R. Kuske MD, **Robert L. Hong MD**, Ben Han MD, Jay E. Reiff MD, Sudha B. Mahalingam MD, Stephen S. Nigh MD, Jon F. Strasser MD, Constantine A. Mantz MD, Jondavid Pollock MD, PhD, Lydia Komarnicky, MD, Steven E. Finkelstein, MD, and Catheryn Yashar MD. Recurrence Rates by Age Stratification for Accelerated Partial Breast Irradiation Using Strut-Based Brachytherapy in Ductal Carcinoma In Situ Patients: A Report on 284 Patients. Oral Presentation at the American Brachytherapy Society meeting, April 3-5, 2014.

C. M. Yashar<sup>1</sup>, D. Scanderbeg<sup>1</sup>, C. A. Quiet<sup>2</sup>, M. B. Snyder<sup>2</sup>, M. Lyden<sup>3</sup>, D. Attai<sup>4</sup>, L. T. Komarnicky<sup>5</sup>, J. Reiff<sup>5</sup>, S. S. Nigh<sup>6</sup>, B. Han<sup>7</sup>, C. A. Mantz<sup>8</sup>, S. E. Finkelstein<sup>9</sup>, **R. L. Hong**<sup>10</sup>, J. Pollock<sup>11</sup>, E. Butler<sup>11</sup>, R. R. Kuske<sup>2</sup>, <sup>1</sup>University of California San Diego, La Jolla, CA, <sup>2</sup>Arizona Breast Cancer Specialists, Scottsdale, AZ, <sup>3</sup>BioStat International, Inc., Tampa, FL, <sup>4</sup>Center for Breast Care, Inc., Burbank, CA, <sup>5</sup>Drexel University College of Medicine, Philadelphia, PA, <sup>6</sup>Northwest Community Hospital, Arlington Heights, IL, <sup>7</sup>South Florida Radiation Oncology, Boynton Beach, FL, <sup>8</sup>21st Century Oncology, Ft. Myers, FL, <sup>9</sup>21st Century Oncology Translation Research Center (TRC), Scottsdale, AZ, <sup>10</sup>**Virginia Hospital Center, Arlington, VA**, <sup>11</sup>Schiffler Cancer Center, WV. Outcomes for APBI with Strut-Based Brachytherapy: First 200 Accrued Patients (52-month Median Follow-Up). American Society of Radiation Oncology Annual Meeting Sept 2014.

Z. H. Rana<sup>1</sup>, R. L. Hong<sup>2</sup>, D. McRae<sup>2</sup>, G. Bernstein<sup>2</sup>, R. Mordkin<sup>2</sup>, A. Joel<sup>2</sup>, N. Nasr<sup>2</sup>, <sup>1</sup>Howard University College of Medicine, Washington, DC, <sup>2</sup>Virginia Hospital Center, Arlington, VA. Factors Affecting Patient Reported Outcomes Following Cyberknife

Stereotactic Body Radiotherapy For Prostate Cancer. American Society of Radiation Oncology Annual Meeting Sept 2014.

Z. H. Rana<sup>1</sup>, **R. L. Hong**<sup>2</sup>, J. Han<sup>2</sup>, I. Chen<sup>2</sup>, M. Nurhussien<sup>2</sup>, N. M. Nasr<sup>2</sup>, <sup>1</sup>Howard University College of Medicine, Washington, DC, <sup>2</sup>Virginia Hospital Center, Arlington, VA. The Effect Of MRI Or PET Fusion In Radiotherapy Treatment Planning On The Pathological Complete Response Rate In Rectal Adenocarcinoma. Accepted for Scientific Oral Presentation. Radiologic Society of North America Annual Meeting Sept 2014.

Z. H. Rana<sup>1,2</sup>, N. Nasr<sup>1</sup>, H. Ji<sup>1</sup>, V. Lorio<sup>1</sup>, S. Akbari<sup>1</sup>, M. Sebastian<sup>1</sup>, M. Martin<sup>1</sup>, **R. L. Hong**<sup>1</sup>, <sup>1</sup>Virginia Hospital Center, Arlington, VA, <sup>2</sup>Howard University College of Medicine, Washington, DC. Factors Improving Skin Sparing, Rib Sparing, and D95 Coverage in Accelerated Partial Breast Irradiation Across Five Catheter Subtypes. American Society of Radiation Oncology Annual Meeting Sept 2014.

Zaker Hamid Rana, **Robert Hong, MD**, Robert Mordkin, MD, Andrew Joel, MD, Gregory Bernstein, MD, Donald McRae, MD, Nadim Nasr, MD. Cyberknife stereotactic body radiotherapy for prostate cancer: The Virginia Hospital Center Experience. The Stereotactic Radiosurgery/Stereotactic Body Radiotherapy (SRS/SBRT) Scientific Meeting. Minneapolis, Minnesota 5/7/14-5/10/14.

Ben Han, MD, Robert Kuske, MD, Sudha Mahalingam, MD, Jon Strasser, MD, Lydia Komarnicky, MD, Stephen Nigh, MD, Constantine Mantz, MD, Steven Finkelstein, MD, **Robert Hong, MD** and Catheryn Yashar, MD. Recurrence rates by age stratification for accelerated partial breast irradiation using strut-based brachytherapy in patients with invasive histology: A report on 673 patients. Miami Breast Cancer Conference March 6-9, 2014.

Catheryn Yashar MD, Ernest Butler, MS, John P. Einck, MD, Steven E. Finkelstein, MD, Yan Jiang Graves, MS, Ben Han MD, **Robert L. Hong MD**, Lydia T. Komarnicky, MD, Maureen Lyden, MS, Sudha B. Mahalingam MD, Constantine A. Mantz MD, Nadim Nasr MD, Stephen S. Nigh MD, Jondavid Pollock MD, Jay E. Reiff, PhD, Daniel Scanderbeg PhD, Margaret R. Snyder, Jon F. Strasser MD, and Robert R. Kuske MD. Outcomes in 500 patients from a large, retrospective study of APBI with a strut-based breast brachytherapy applicator. Accepted for poster presentation at the San Antonio Breast Conference Symposium annual meeting December 10-14, 2013.

**R. L. Hong**, S. E. Finkelstein, B. Han, L. T. Komarnicky, R. R. Kuske, S. Mahalingam, C. A. Mantz, N. Nasr, J. F. Strasser, C. Yashar. Outcomes for APBI with the Strut-Based Brachytherapy Applicator in 430 Patients. 55th Annual Meeting of the American Society for Therapeutic Radiation Oncology (ASTRO), September 2013, Atlanta, GA

John P. Einck MD, Daniel Scanderbeg PhD, Robert R. Kuske MD, **Robert L. Hong MD**, Ben Han MD, Kerri L. Perry MD, Jay E. Reiff MD, Sudha B. Mahalingam MD, Stephen S. Nigh MD, Jon F. Strasser MD, Constantine A. Mantz MD, Jondavid Pollock MD PhD, Serban Morcovescu, MS, Lydia Komarnicky, MD, Steven E. Finkelstein, MD, and Catheryn Yashar MD (SAVI Collaborative Research Group). Accelerated partial breast irradiation using strut-based brachytherapy in ductal carcinoma in situ patients: A report on 321 patients with median 25-month follow up. Data updated for 284 patients with median 27-month

follow up for poster presentation at the American Society of Clinical Oncology, Breast Cancer Symposium 2013, September 7-9, 2013.

**R. Hong**, N. Gholesorki N. Nasr, H. Ji, V. Lorio, M. Sebastian, S. Akbari. Variables Correlating with Excellent and Good Cosmetic Outcomes using APBI with a Strut-Based Breast Brachytherapy Applicator: The Virginia Hospital Center Experience. 14<sup>th</sup> Annual Meeting of American Society of Breast Surgeons (ASBS), May 2013, Chicago, IL

Perry, K, Attai, D, Finkelstein, SE, Han, B, **Hong, R**, Kuske, R, Lyden, M, Mahalingam, S, Mantz, C, Morcovescu, S, Nigh, S, Pollock, J, Reiff, J, Scanderbeg, D, Strasser, J, Yashar, C. Outcomes for Accelerated Partial Breast irradiation with a strut-based brachytherapy applicator: 320 patients with 3-year median follow up. Poster presentation at the American Society of Breast Surgeons Annual Meeting May 1-5, 2013.

R. Kuske, S.E. Finkelstein, B. Han, **R. Hong**, L. Komarnicky, M. Lyden, S. Mahalingam, C. Mantz, S. Nigh, K. Perry, J. Pollock, J. Strasser, C. Yashar. Outcomes for Accelerated Partial Breast Irradiation (APBI) with a Strut-Based Brachytherapy Applicator: 320 Patients with at Least 24-Month Follow Up. Oral presentation at the American Brachytherapy Society Annual Meeting Apr. 18-20, 2013.

**R. L. Hong**, R. Patel, B. Han, R. Kuske, J. Strasser, L. Komarnicky, S. Mahalingam, N. Mohideen, M. Lyden, C. Yashar. Results of the SAVI Research Collaborative Group Registry: Correlating Clinical Toxicity with Dosimetric Parameters in Patients Treated with APBI using Strut-Based Brachytherapy. 54<sup>th</sup> Annual Meeting of the American Society for Therapeutic Radiation Oncology (ASTRO), October 2012, Boston, MA

S. E. Finkelstein, **R. L. Hong**, L. Komarnicky-Kocher, R. R. Kuske, L. Liu, M. Lyden, R. R. Patel, C. A. Mantz, K. J. McClain, C. Yashar. Dosimetric Variables Correlating with Excellent and Good Cosmetic Outcomes in a Large, Retrospective Study of APBI with a Strut-Based Breast Brachytherapy Applicator. 54<sup>th</sup> Annual Meeting of the American Society for Therapeutic Radiation Oncology (ASTRO), October 2012, Boston, MA

Strasser, J, Jacob, D, Koprowski, C, Attai, D, Butler, E, Finkelstein, S, Han, B, **Hong, R**, Komarnicky, L, Kuske, R, Lyden, M, Mahalingam, S, Mantz, C, Morcovescu, S, Nigh, S, Perry, K, Pollock, J, Reiff, J, Scanderbeg, D, Yashar, C. Accelerated partial breast irradiation using a strut-based brachytherapy device: A multi-institutional initial report on late toxicity with greater than 24-month follow-up. Oral presentation at the Breast Cancer Symposium annual meeting Sept. 13-15, 2012.

Z. D. Horne, S. D. Karam, **R. L. Hong**, D. Duhamel, D. McRae, G. Gagnon, N. M. Nasr "Survival Outcomes of Stereotactic Body Radiation Therapy in Locally Advanced NSCLC " 2012 Multidisciplinary Symposium in Thoracic Oncology. Chicago, IL. Sept. 6-8, 2012.

S. D. Karam, Z. D. Horne, **R. L. Hong**, D. Duhamel, D. Mcrae, G. Gagnon, N. Nasr "Stereotactic Radiosurgery for Stage I Non Small Cell Lung Cancer: A Multi Institutional Experience" 2012 Multidisciplinary Symposium in Thoracic Oncology - Journal of Thoracic Oncology Supp. Chicago, IL. Sept. 6-8, 2012.

Perry, K, Einck, J, Kuske, R, Komarnicky, L, Strasser, J, Mantz, C, Lyden, M, Mahalingam, S, **Hong, R**, Yashar, C. Outcomes for 267 DCIS patients treated with accelerated partial breast irradiation (APBI) using a strut-based brachytherapy device. Poster session at the BC<sup>3</sup> Breast Cancer Coordinated Care Conference July 19-21, 2012.

John P. Einck MD, Daniel Scanderbeg PhD, Robert R. Kuske MD, **Robert L. Hong MD**, Ben Han MD, Kerri L. Perry MD, Jay E Reiff MD, Sudha B. Mahalingam MD, Michael Farmer MD, Stephen S. Nigh MD, Jon F. Strasser MD, Constantine A. Mantz MD, Jondavid Pollock MD PhD and Catheryn Yashar MD (Strut-Based Brachytherapy Research Group). Accelerated partial breast irradiation using a strut-based brachytherapy device for the treatment of ductal carcinoma in situ of the breast. American Society of Breast Surgeons (ASBS) Annual Meeting. May 2-6, 2012. Phoenix, AZ.

**Hong R**, Lorio V, Huaying J, Han B, Shieh E, Imhoff K, Kuske R, Quiet C, Sadeghi A, Perry K, Morcovescu S, Yashar C, Scanderbeg D, Graves Y, Strasser J, Dayee Jacob D, Reiff J, Komarnicky L, Mahalingam S, Webster J, Nigh S, Mohideen N, Lobo P, Farmer M, Berry M, Patra P, Mantz C, Finkelstein S, Pollock J, Butler E, Attai D, Patel R. Excellent/Good Cosmetic Outcomes in Patients Treated with a Strut-Based Brachytherapy Applicator (SAVI) for Accelerated Partial Breast Irradiation. Poster session presented at the National Consortium of Breast Centers, Inc. annual meeting, Mar. 10-14, 2012.

**R. L. Hong**, R. Mordkin, A. Joel, N. Nasr, H. Ji, D. McRae. Virginia Hospital Center, Arlington, VA Cyberknife Stereotactic Body Radiotherapy for Prostate Cancer: The Virginia Hospital Center Experience. 53rd Annual Meeting of the American Society for Therapeutic Radiation Oncology (ASTRO), October 2011, Miami, FL.

N. Denduluri, H. Rugo, S. Davis, A. Favret, **R. Hong**, A. Au, D. Moore, L. Esserman. Concordance between the 21-gene recurrence score (RS) and the 70-gene profile (MP) in breast cancer (BC) patients (pts). American Society of Clinical Oncology, 2011 Breast Cancer Symposium. September 8-10, 2011 San Francisco, CA.

C Yashar, M Graf, K Dass, J Pollock, E Butler, **R Hong**, H Ji, V Lorio, D McRae, C Quiet, R Kuske, D Scanderbeg. Comparison of Target Breast Volume Treated for Accelerated Partial Breast Irradiation (APBI) Devices. American Brachytherapy Society (ABS) Annual Meeting. April 14-16, 2011. San Diego, CA.

**Hong R**, Akbari S, Weintritt D, Sebastian M, Martin M, Lorio V, Ji H, McRae D. Accelerated Partial Breast Irradiation at Virginia Hospital Center: Post Hoc Analysis of Dosimetry Comparing Mammosite, Contura, and SAVI devices. American Society of Radiation Oncology 2010 Annual Meeting. October-November 2010, San Diego, CA.

**Hong R**, Akbari S, Sebastian M, Denduluri N, Weintritt D, Martin M, and Jamieson T. Accelerated Partial Breast Irradiation at Virginia Hospital Center: Analysis of Dosimetric Outcomes and Predictors of Acute Toxicity. Radiologic Society of North America 95<sup>th</sup> Annual Meeting. December 2009. Chicago, IL.

Vali F, Hall W, Gao M, Chi A, **Hong R**, Sinacore S, and Albuquerque K. Interfractional Overlap of Bladder and Rectal Hotspots During 3D Image-Based HDR Brachytherapy of the Cervix. 50<sup>th</sup> Annual Meeting of the American Society for Therapeutic Radiation Oncology

(ASTRO), September 2008, Boston, MA

**Hong R**, Siddiqui M, Emami B. Reducing Dose to Pharyngeal Constrictor Muscles in Head and Neck Cancer Patients using IMRT. CMS National Conference. April 26-29, 2008; St Louis, MO.

F. Vali, S. Nagda, **R. Hong**, M. Gao, W. Hall, J. Sinacore, S. Lee, M. Shoup, E. Melian. Comparison of SUV-based PET and CT target volumes in esophageal cancer patients undergoing radiation therapy. American Society of Clinical Oncology 2008 Gastrointestinal Cancers Symposium. January 25-27, 2008; Orlando, FL.

F. Vali and **R. Hong**. A Web based *Radiation Oncology Dose Manager* with a Rich User Interface developed using AJAX, Ruby, Dynamic XHTML and the new Yahoo/EXT User Interface Library. American Medical Informatics Association Annual Meeting, November 10-14, 2007, Chicago, IL.

B. Emami, **R. Hong**, J. Dombrowski, A. Sethi. Value of Interim CT-PET Imaging in Improving Therapeutic Ratio in Treatment of Advanced Non-Small-Cell Cancer: Novel Adaptive IGRT. 49<sup>th</sup> Annual Meeting of the American Society for Therapeutic Radiation Oncology (ASTRO), November 2007, Los Angeles, CA

A Sethi, J. Dombrowski, **R. Hong**, Y. Soni, and B. Emami. PET/CT Guided Adaptive Radiotherapy of Locally Advanced Non-small Cell Lung Cancer. 49<sup>th</sup> Annual Meeting of the American Society for Therapeutic Radiation Oncology (ASTRO), November 2007, Los Angeles, CA

**Hong RL**, Halama J, Bova D, Sethi A, Emami B. Correlation of PET Standard Uptake Value and CT Window-Level Thresholds for Target Delineation in CT-based Radiation Treatment Planning. 48<sup>th</sup> Annual Meeting of the American Society for Therapeutic Radiation Oncology (ASTRO), November 2006, Philadelphia, PA.

Sethi A, Dombrowski J, **Hong RL**, Gao M, Emami B. Skin Toxicity in IMRT of Head and Neck Cancer Patients. 48<sup>th</sup> Annual Meeting of the American Society for Therapeutic Radiation Oncology (ASTRO), November 2006, Philadelphia, PA.

Dombrowski J, Emami B, **Hong RL**, Halama J, Cabrera J, Baila H, Sherman N, Cziperle D. Preliminary Outcome of Intra-treatment PET and CT Scans for Targeted Boost in Non Small Cell Lung Cancer. ASTRO Translational Research in Radiation Oncology, Physics and Biology. Sept. 8-10, 2006. Boston, MA.

**Hong R.L.**, Nagda S., Timpone V., Emami, B., Reddy, S. A 30-Year Experience on the Effect of Tumor Bulk on Local Control and Survival in T1 Glottic Cancer. American Radium Society. *Oncology*. April 2006, Volume 20, No. 5 (Supplement No 3). Maui, HI, May 2006.

Carcamo, A.S., Fuhlbrigge RC, **Hong R**, Gullans SR, Kupper TS. Comparative Analysis of the Global Transcriptional Profile of Human Skin-Homing Memory T Lymphocytes vs. Non-Skin Homing Memory and Naïve T Lymphocytes. *Journal of Investigative Dermatology* 2000 Aug; 115(2):332.



PubMed ID: 10951262

*Presentations:*

**Hong R**, Nasr N. Prostate Cancer Update: Calypso GPS for the Body. Virginia Hospital Center Physician Lecture Series. Oral Presentation. Ruth Chris Steak House, Tyson's Corner Virginia. 5/16/2012.

**Hong R**. Breast Cancer Update: 5 Days of Radiation. Virginia Hospital Center Northern Virginia Community Lecture. Oral Presentation. The Palm-Tyson's Corner. March 23, 2011.

**Hong R**. Accelerated Partial Breast Irradiation at Virginia Hospital Center: Analysis of Dosimetric Outcomes and Predictors of Acute Toxicity. Radiologic Society of North America 95<sup>th</sup> Annual Meeting. Oral Presentation. December 2009. Chicago, IL.

**Hong R**, Jamieson T. Cyberknife Stereotactic Radiosurgery and Radiotherapy. Mount Vernon Hospital Grand Rounds. November 11, 2008.

**Hong R**, Jamieson T. Ladies for Life Physician Panel. Virginia Hospital Center Auditorium. October 4, 2008.

**Hong R**, Jamieson T. Radiation Oncology at Virginia Hospital Center: Cyberknife for Prostate Cancer. Us Too Prostate Cancer Biannual Lecture. Hazel Auditorium, Virginia Hospital Center. September 23, 2008.

**Hong R**, Siddiqui M, Emami B. Reducing Dose to Pharyngeal Constrictor Muscles in Head and Neck Cancer Patients using IMRT. CMS National Users Conference. April 26-29, 2008; Saint Louis, MO.

**Hong RL**, Pediatric Medulloblastoma. Loyola University Radiation Oncology Grand Rounds. December 2007.

**Hong RL**. Correlation of PET Standard Uptake Value and CT Window-Level Thresholds for Target Delineation in CT-based Radiation Treatment Planning. Illinois Radiological Society Annual Meeting. March 16-17, 2007; Feinberg Pavillion Conference Center Northwestern Memorial Hospital; Chicago, IL.

**Hong RL**, Halama J, Bova D, Sethi A, Emami B. Correlation of PET Standard Uptake Value and CT Window-Level Thresholds for Target Delineation in CT-based Radiation Treatment Planning. Poster Presentation at the 48<sup>th</sup> Annual Meeting of the American Society for Therapeutic Radiation Oncology (ASTRO), November 2006, Philadelphia, PA.

**Hong RL**, Halama J, Bova D, Sethi A, Emami B. Correlation of PET Standard Uptake Value and CT Window-Level Thresholds for Target Delineation in CT-based Radiation Treatment Planning. Oral Presentation at the Korean Society for Therapeutic Radiation Oncology (KOSTRO), October 13, 2006, Seoul, South Korea.

**Hong RL**, Combined Modality therapy for Unresectable Non-Small Cell Lung Cancer. Loyola University Radiation Oncology Grand Rounds. October 2006

**Hong RL**, A 30-Year Experience on the Effect of Tumor Bulk on Local Control and Survival in T1 Glottic Cancer. Oral Presentation at the 88<sup>th</sup> Annual Meeting of the American Radium Society in Maui, HI May 6-10, 2006.

**Hong RL**, Bladder Preservation in Muscle Invasive Transitional Cell Carcinoma. Loyola University Radiation Oncology Grand Rounds. February 2006.

**Hong RL**, Cervical Neck Metastasis of Unknown Head and Neck Primary. Loyola University Radiation Oncology Grand Rounds. June 2005.

**Hong RL**, Morbidity and Mortality: Radiation Enteritis. Loyola University Radiation Oncology "M&M" Conference. May 2005.

**Hong RL**, C.P. Donahue, K.S. Kosik, S.R. Gullans. Applications of DNA microarray technology. National Student Research Forum, Galveston, TX, April 2000

**Hong RL**, Garges, J.B., E.S. Hunter III, D.J. Dix. Hsp70 expression and function during embryogenesis. Triangle Conference on Reproductive Biology, Chapel Hill, NC, 1998.

## **MEMBERSHIP**

American Society of Therapeutic Radiation Oncology (ASTRO), since July 2004  
American Society of Clinical Oncology (ASCO), since September 2008  
American College of Radiation Oncology (ACRO), Since July 2007  
Arlington County Medical Society, since October 2008

## **RECOGNITION**

Washingtonian Magazine "Top Doctors": 2010, 2012  
Northern Virginia Magazine "Top Doctors": 2012, 2013

Radiological Society of North America (RSNA) Research and Education Foundation 2008 Roentgen Resident/Fellow Research Award

American Brachytherapy Society Prostate Brachytherapy Fellowship. One of ten residents selected nationwide for a brachytherapy fellowship at the Seattle Prostate Institute. 2007-2008.

American College of Radiation Oncology Medical Informatics Scholarship. One scholarship awarded to a radiation oncology resident per year. November 2007. Mountain View, CA.

American College of Radiation Oncology 2008 18<sup>th</sup> Annual Meeting Radiation Oncology Resident Travel Award. Miami, FL; February 21-23, 2008.

National Comprehensive Cancer Network (NCCN) Oncology Fellow Recognition Award, Hollywood, FL. March 2006, March 2008.

American Brachytherapy Society Gynecologic Brachytherapy Resident Travel Award, Chicago, IL, 7/21/07-7/22/07

International Korean Society of Therapeutic Radiation Oncology (KOSTRO) Young Researcher Award, October 13, 2006; Seoul, South Korea

## REFERENCES

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