

4th Biennial Radiosurgery Research and Education Meeting  
June 19-20, 2020



**Manmeet Ahluwalia, MD, FACP**, is the Dean and Diane Miller Family Endowed Chair in NeuroOncology in the Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center (BBTC) where he subspecializes in treatment of patients with brain tumors and brain metastases. He is a Professor in the Department of Medicine, Clinic Lerner College of Medicine of Case Western Reserve University (CCLCM). He serves as the Director, Brain Metastasis Research Program and the Associate Director and Head of Operations in the BBTC of the Neurological Institute of Cleveland Clinic.



**Ahmet Fatih Atik, MD**, graduated from Istanbul Faculty of medicine, after his residency he completed a post-doctoral research program at Duke University on Brain Tumor Immunotherapy, followed by clinical fellowship on functional neurosurgery at Ohio State University and neurosurgical oncology fellowship at Cleveland Clinic Foundation.



**Luca Attuati, MD**, graduated in Medicine in 2004 and became a board certified Neurosurgeon in 2009 after residency at San Raffaele Hospital in Milan, Italy. Since 2010 he has worked in Humanitas Research Hospital in Milan, assisting in the opening of the Gamma Knife suite in 2014.



**Gene Barnett, MD**, is the Director of the Cleveland Clinic's Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center as well as the Director of it's Gamma Knife Center in Cleveland, Ohio. He is Professor of Neurological Surgery at the Cleveland Clinic Lerner College of Medicine of Case Western Reserve University and is an internationally recognized expert on surgical navigation, stereotactic radiosurgery and laser ablation of brain tumors.



**Carolina Benjamin, MD**, finished her residency at NYU Langone July 2018 and then completed a fellowship in radiosurgery with Dr. Douglas Kondziolka and Skull base surgery with Dr. Chandra Sen. She joined the faculty as Assistant Professor at University of Miami in September 2019.

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**Kenneth Bernstein, MS**, is a Medical Physicist at NYU Langone Medical Center. He is currently working on projects related to outcome analytics and automation in Gamma Knife radiosurgery.



**Greg N Bowden, MD**, is a neurosurgeon at the University of Alberta, and co-director of the Gamma Knife Radiosurgery unit. He was fellowship trained and previously employed by the University of Pittsburgh Medical Centre, where the following research was conducted.



**Steve Braunstein, MD, PhD**, is a radiation oncologist at UCSF with a clinical interest in the treatment of central nervous system, pediatric, thoracic, and soft tissue malignancies. He has expertise in modern radiation therapy techniques including stereotactic radiotherapy, intraoperative radiotherapy, and intensity modulated radiation therapy. Dr. Braunstein earned his M.D. at New York University School of Medicine where he also obtained a PhD studying essential molecular pathways by which cancer cells mediate response to radiation.



**Matthew Brown, MD**, is a 4th year medical student pursuing a career in radiation oncology. His research interest is in CNS radiosurgery. He has participated in projects related to dosing, and immunotherapy. His current project is looking at clinical outcomes in automated VMAT.



**Jenghwa Chang, PhD**, is an Associate Professor of Radiation Medicine, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell; and an Adjunct Associate Professor of Physics&Astronomy, Hofstra University. He is currently the Director of Medical Physics Residency Program at the Department of Radiation Medicine, Northwell Health. His major clinical responsibility is Gamma Knife stereotactic radiosurgery/radiotherapy.

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**Veronica Chiang, MD**, leads the Neurosurgical arm of the Brain Metastasis Program at Yale. Dr. Chiang has joint appointments in the Departments of Neurosurgery and Radiation Oncology at Yale University School of Medicine. As the Medical Director of the Gamma Knife Center since 2006, Dr. Chiang has participated in state and national discussions regarding the development of guidelines for the radiosurgical management of brain metastases. She is known nationally and internationally for her research on the clinical as well as radiological outcomes of radiosurgical treatment of brain metastases. (ClinicalTrials.gov Identifier #:NCT02005614). She has also extensively published on the efficacy and outcome of radiosurgery for many other brain lesions.



**Rachel Choi, MD**, is a 3rd year medical student at Yale who is interested in pursuing a career in radiation oncology. She completed her bachelor's degree in Molecular Biology at Princeton University. Her research interests are in pediatric radiation therapy, breast cancer, and the clinical applications of artificial intelligence. Her current project is on the treatment of pediatric arteriovenous malformations.



**Benjamin Cooper, MD**, is the Director of Proton therapy at NYU Langone Medical Center. He also serve as the Medical Student Clerkship Director and have an interest in treating patients with CNS, pediatric, and thoracic malignancies.



**Swapna Lilly Cyriac, MSc**, is working as a Medical Physicist / Radiological Safety Officer in the department of Radiation Oncology at Kerala Institute of Medical Science (KIMS), Kerala – India. She had a master's degree in Medical Physics (RSO level-3) and M.Tech in Nanomedical Science from India. She is a fellow of Department of Science & Technology of India (DST) and also a fellow of International Union for Cancer Control (UICC). Her main research interests are in nanomedicine, small field and neutron dosimetry.



**Dimitri Alex Dimitroyannis, PhD, MBA**, earned a doctorate in experimental high energy physics attended the clinical residency at the University of Minnesota under the direction of Prof Faiz Khan. His professional interested are focused in the application of Value-Based HealthCare Delivery in modern radiotherapy. He is currently Chief, Radiotherapy Physics, at Edward Hines VA Hospital in Chicago.

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**Dale Ding, MD**, is an Assistant Professor of Neurosurgery and the Interim Director of Cerebrovascular Neurosurgery at the University of Louisville. He did neurosurgery residency at the University of Virginia and an endovascular neurosurgery fellowship at Barrow Neurological Institute. University of Louisville has been a member of the IRRF since 2018, and it utilizes the CyberKnife system to deliver radiosurgery.



**Bernadine Donahue, MD**, is Chair of the Department of Radiation Oncology at Maimonides Cancer Center in Brooklyn, New York and Clinical Associate Professor of Radiation Oncology at NYU Langone Medical Center and SUNY Downstate Health Sciences Center. She is an active member of RTOG and COG, and has served as a committee member on the COG CNS and radiation oncology committees for the past three decades. She is a reviewer for the Red Journal and for Neuro-oncology as well as for the ASTRO CNS and Pediatric Abstract Committees.



**Andrew Faramand, MD**, is a post doc research fellow at the center of image guided neurosurgery at the University of Pittsburgh Medical Center. He graduated from medical school from Jordan and pursued a master's degree in clinical neuroscience from University College London in London, England. He is interested in radiosurgery and neuro-oncology and plans to apply to neurosurgery residency in the next match cycle.



**Laura Fariselli, MD**, is chair of the Radiotherapy unit in Carlo Besta Neurological Institute in Milan. She has been involved in multiple trials on brain tumour of the European Organisation of Research and Treatment of Cancer (EORTC). She is co-author in guidelines on SRS applications. She is former President of the Skull base Italian society. She is currently President of the International Stereotactic Radiosurgery Society.



**John B Fiveash, MD**, research interests include clinical trials of novel therapeutics in combination with radiation therapy particularly in the treatment of brain and prostate tumors. In addition, he has been very involved in treatment planning research and education for IMRT and IGRT. As residency director, he has established online educational opportunities for residents and students to better enable more efficient learning

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**Anuj Goenka, MD**, is board-certified in radiation oncology and physics and has extensive experience with proton radiotherapy, intensity modulated radiation therapy, stereotactic body radiation therapy and brachytherapy applications. He received his medical degree at Johns Hopkins University and completed his post graduate training at Memorial Sloan-Kettering Cancer Center. He specializes in the treatment of cancers of all sub-sites, including brain, head and neck, lung, breast, esophageal, colorectal/anal, prostate, and gynecological malignancies. Dr. Goenka is the recipient of several leadership awards, has published numerous articles and abstracts in national and international journals and has participated as a guest speaker internationally. He holds memberships at the American Medical Association, American Society for Therapeutic Radiology and Oncology, and American Association of Physicians of Indian Origin among others and is actively involved in Community Outreach programs.



**Jason Gurewitz, MD**, is a fourth-year medical student at Marian University College of Osteopathic Medicine in Indianapolis. He is at the end of a research year in the department of radiosurgery at NYU Langone. He will be applying for radiation oncology and is specifically interested in CNS.



**Yusuke Hori, MD**, graduated from Sapporo Medical University in 2013. After completing his Japanese neurosurgical residency at Okayama Medical Center and the functional neurosurgery fellowship in the United States, he has been a radiosurgery fellow at Cleveland Clinic. He has participated in multiple research projects including two-staged stereotactic radiosurgery for large brain metastasis.



**Hideyuki Kano, MD**, is with the University of Pittsburgh Department of Neurological Surgery and Center for Image-Guided Neurosurgery. He is a research associate professor in the department. He was named clinical research director at the center in 2014. Dr. Kano received his medical training from the Shiga University of Medical Science in Otsu, Japan, earning his medical degree in 1997. He subsequently received his residency training at the Kyoto University School of Medicine, Kyoto, Japan and Osaka Saiseikai Izu Hospital, Osaka, Japan in 2000.

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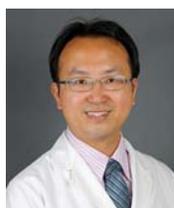
**Jonathan Knisely, MD**, is a radiation oncologist at Weill Cornell Medicine and New York-Presbyterian Hospital. He has 30 years of experience with radiosurgery, dating back to his training at the University of Toronto. He led the radiosurgery programs at Yale and at Northwell Health before being recruited to Cornell's medical school.



**Daniel Koffler, MD**, is a PGY-2 resident at the Northwell Health Cancer Institute. He graduated from SUNY Downstate College of Medicine in 2018. His chief interests are CNS malignancy, radiosurgery, and particle therapy.



**Douglas Kondziolka, MD**, joined NYU Langone's neurosurgery faculty as a professor and vice chair of clinical research in 2012. In addition to performing research and training neurosurgeons, I treat patients who have neurological conditions, such as metastatic brain tumors, acoustic neuroma (also known as vestibular schwannoma), meningioma, primary brain tumors, brain vascular malformations, movement and behavioral disorders, and trigeminal neuralgia. I am also director of the Center for Advanced Radiosurgery, where we treat patients with Gamma Knife® radiosurgery.



**Justin Cheng-Chia Lee, MD**, is a functional neurosurgeon at Taipei Veteran General Hospital, who specializes in Gamma Knife radiosurgery, epilepsy surgery, interventional pain management, and intra-operative neuromonitoring. His research interests mainly focus on radiation effects after Gamma knife radiosurgery, epilepsy network, and EEG signal analysis.



**Marc Levivier, MD**, is Professor at the University of Lausanne and Chairman of Neurosurgery at the University Hospital since 2007. He is also the Director of the Gamma Knife Center, where the Leksell Gamma Knife Perfexion became operational in July 2010 and Leksell Gamma Knife ICON was installed in 2016. He has organized several international scientific events in the field of radiosurgery and was the host and President of the ISRS congress 2017, that took place in Montreux, Switzerland. He is the current vice president ISRS.

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**Jian Liu, PhD**, is a second-year physics resident at Northwell Health. His presentation is on the workflow analysis of Gamma Knife framed and frameless treatments.



**Simon Lo, MD**, is Professor and Vice Chair for Strategic Planning of Radiation Oncology and Professor of Neurological Surgery at University of Washington. He has lead the SBRT programs of 3 NCI designated comprehensive cancer centers. He has published over 210 full peer reviewed manuscripts and 4 textbooks in SRS/ SBRT and one comprehensive textbook in adult CNS radiation oncology.



**L. Dade Lunsford, MD**, is the Lars Leksell Professor and Distinguished Professor at the Department of Neurological Surgery at the University of Pittsburgh. He is also director of the Center for Image-Guided Neurosurgery at the University of Pittsburgh Medical Center and an internationally recognized authority on stereotactic surgery, radiosurgery, and minimally invasive surgery.



**Daniel Ma, MD**, is a 2nd year radiation oncology resident from Northwell Health. I attended medical school at University of Iowa and completed an internal medicine internship at University of Illinois-Chicago. My clinical interests include CNS, lung, and GI malignancies.



**Luis Maduro Bustos, BS**, has his MS degree in Medical Physics from Hofstra University.

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**David Mathieu MD, FRCS(C)**, is Professor at the Université de Sherbrooke, in the Departments of Surgery, Division of Neurosurgery, and Nuclear Medicine and Radiobiology. He is the director of the Neurosurgery Division and of the Gamma Knife Radiosurgery Center at the Centre Hospitalier Universitaire de Sherbrooke (CHUS). He is also in charge of clinical research in neuro-oncology at the CHUS and serves on the board of directors of the International Radiosurgery Research Foundation (IRRF). His areas of expertise include neuro-oncology, stereotactic radiosurgery and functional neurosurgery.



**Michael W. McDermott, MD**, is co-director of the Gamma Knife and CyberKnife Radiosurgery Program at UCSF Medical Center. He cares for patients with a wide range of conditions, including brain tumors, neurological cancers, central nervous system infections and hydrocephalus. His specialty is stereotactic neurosurgery, such as Gamma Knife radiosurgery, in particular for tumors of the central nervous system, meningiomas and skull base conditions.



**Erin Murphy, MD**, is Associate Staff in the department of radiation oncology at the Cleveland Clinic. She completed residency at the Cleveland Clinic and then a fellowship at St. Jude Children's Research Hospital. She specializes in radiotherapy and radiosurgery for brain tumors and pediatric tumors and has given many presentations and has multiple publications on these topics.



**Ajay Niranjana, MD**, is a professor of neurological surgery at the University of Pittsburgh. He is the Associate director of Center of Image-guided neurosurgery at UPMC and the Director of UPMC brain mapping center.

Dr. Niranjana is involved with radiosurgery for over 22 years and has coauthored over 200 articles in refereed journals. Dr. Niranjana has co-edited five books. His recent book "Leksell Radiosurgery" was recently published.

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**Akiyoshi Ogino, MD, PhD**, received his M.D. and Ph.D. at Nihon University in 2001 and 2006. His neurosurgical residency was completed at Nihon University in Japan. His training of cancer therapy and neuroendovascular therapy were completed at Nihon University. He has trained in radiosurgery at Tokyo Gamm Unit Center and has been a research fellow at UPMC since April 2019.



**Ian Paddick, MSc**, began his career as a Medical Physicist in 1989, working at the Hammersmith hospital, London. Since 1998 he has worked almost exclusively with the Gamma Knife using the B, 4C, Perfexion and ICON Gamma Knife models. He is on the scientific committees of the International Stereotactic Radiosurgery Society and the Leksell Gamma Knife Society and is currently Vice-President of the ISRS and BRS.



**Matthew Pavlica, MD**, is a 3rd year medical student at NYITCOM. He has been a Long Island, NY, native his entire life, with the exception of four years at Binghamton University for undergraduate studies.



**Dheerendra Prasad, MD**, is professor of Radiation Medicine and Neurosurgery at Roswell Park Comprehensive Cancer Center. He is also the director of the Gamma Knife Center and director of Central Nervous System & Pediatric Radiation Medicine and medical director of the department of Radiation Medicine.'



**Tanxia Qu, PhD**, is director of Gamma Knife physics at NYU Langone Health. His research interests are to establish a framework and methodology to define, measure, analysis, and compensate the geometrical error in stereotactic radiosurgery (SRS) and radiotherapy.

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**Jean Regis, MD**, is Full Professor of Neurosurgery at the Aix Marseille University (Marseille, France), and Neurosurgeon at the Timone University Hospital where he currently serves as Head the Stereotactic, Functional Neurosurgery and Radiosurgery Department. He is also Honorary Professor of Neurosurgery at Tokyo Women Medical University (TWMU) since 2003.



**Arjun Sahgal, MD**, is a Professor of Radiation Oncology at the University of Toronto, Sunnybrook Odette Cancer Center. He is an expert in the field of CNS radiation oncology with over 400 peer reviewed papers published, and he leads the CNS Neuro-Oncology program for Sunnybrook that has been awarded a total of \$42.5 M in funding. He a specific interest in Hypofractionated radiosurgery for brain and spinal metastases.



**Michael Schulder, MD, FAANS**, is Professor and Vice Chair of neurosurgery at the Zucker School of Medicine at Hofstra/Northwell. He is also the neurosurgical Residency Program Director at the Zucker SOM, and director of the Brain Tumor Center of the Northwell Neuroscience Institute. Dr. Schulder also is a Director-at-Large of the American Association of Neurological Surgeons, where he also serves as the Historian. He is the immediate Past President of the World Society for Stereotactic and Functional Neurosurgery.



**Jason Sheehan, MD, PhD**, has written more than 250 peer reviewed papers. Also, he has published several books and numerous invited manuscripts. He reviews manuscripts for the Journal of Neurosurgery, Neurosurgery, World Neurosurgery, Clinical Neurology and Neurosurgery and Nature Clinical Practice Oncology. Dr. Sheehan has an active laboratory pursuing translational and basic science research in the area of brain tumors. He also helps to oversee clinical trials for brain tumor patients.



**Joshua Silverman, MD**, is an Associate Professor in the Departments of Radiation Oncology at NYU Langone Medical Center and the NYU Grossman School of Medicine. He specializes in CNS tumors and radiosurgery at the NYU Center for Advanced Radiosurgery. He is a reviewer for journals, including IJROBP, Practical Radiation Oncology, Neuro-oncology as well as the ASTRO CNS Abstract Committee.

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**John Suh, MD**, is the Chairman of the Department of Radiation Oncology and Associate Director of the Gamma Knife Center at the Brain Tumor and Neuro-Oncology Center at Cleveland Clinic. His primary research interests are brain tumors, Gamma Knife radiosurgery and innovative radiation modalities. He has participated in numerous in-house, pharmaceutical and cooperative group trials. Dr. Suh is a written and oral Board Examiner for the American Board of Radiology. He serves as a reviewer for various medical journals and is a member of various medical societies.



**Erik Sulman, MD**, is a Professor and the Vice Chair of Research in the Department of Radiation Oncology at the NYU Grossman School of Medicine. He also serves as the Co-Director of the Brain and Spine Tumor Center in the Laura and Isaac Perlmutter Cancer Center at NYU and as a Co-Director of the Medical Scientist Training Program at NYU. He is the current Secretary/Treasurer of the Society for Neuro-Oncology and a Specialty Chief Editor for the Neuro-Oncology and Neurosurgical Oncology Section of the journal *Frontiers in Oncology*. Prior to joining NYU, he was the Chief of CNS/Pediatric Radiation Oncology at the University of Texas MD Anderson Cancer Center.

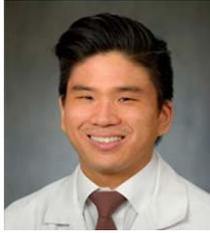


**Haruka Uezono, MD**, received his medical degree from Kobe University School of Medicine and continued his radiation oncology training in Japan. He completed a pediatric proton therapy fellowship at University of Florida. Currently he is a radiosurgery/SBRT fellow at Yale University.



**Ronald Eugene Warnick, MD**, is a brain tumor neurosurgeon with Mayfield Clinic in Cincinnati and Co-Director of the Gamma Knife Center at The Jewish Hospital – Mercy Health. He completed neurosurgery residency at New York University followed by a neuro-oncology fellowship at the University of California, San Francisco. Dr. Warnick served as Chairman of the AANS/CNS Section on Tumors from 2005 to 2007 and is currently on the AANS SRS Registry Board of Directors and the Novalis Circle Expert Panel.

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**Andrew Yang, MD**, is a senior neurosurgical resident at the University of Pennsylvania. His clinical interests are in functional and stereotactic neurosurgery, as well as in general neurosurgery. Areas of research focus include human electrophysiology, as well as in development of neuro-modulation techniques. Prior to residency, Dr. Yang received his A.B. in Physics from Princeton, M.S. in Biomedical Engineering from Duke, and M.D. from NYU School of Medicine.



**Michael Zhang, MD**, is currently a resident physician in Radiation Oncology at the University of California San Francisco. He completed his medical and graduate school training at the University of Washington. His research focus is in brain metastases, gliomas, and immunotherapy.