



Duke Center for Brain and Spine Metastasis Colloquium 2022

Friday & Saturday
May 13-14

Free, virtual, CME

Duke Center for Brain and Spine Metastasis Directors



Peter Fecci, MD, PhD
Director



Carey Anders, MD
Medical Director



Rory Goodwin, MD, PhD
Surgical Director



John Kirkpatrick, MD, PhD
Radiation Director

About the Colloquium

Hosted by Duke Neurosurgery, this virtual event features talks and discussions with over 35 internationally renowned leaders in the field of central nervous system metastasis.

The multidisciplinary colloquium covers topics in medical oncology, radiation oncology, palliative care, and neurosurgery, and features case presentations and panel debates on emerging and pressing topics in the care of patients with brain and spine metastasis.

Objectives

The Symposium is designed to increase competence and provide the most up-to-date, evidenced based review of the management of patients with brain and spine metastasis and leptomeningeal disease (LMD). At the conclusion of the course, participants should be able to meet the following objectives.

Session 1: Pipelines from bench to bedside: Recent advances in the lab and their present and future impacts on patient care

- Identify innovative technologies and novel therapies and their impact on current and future brain, leptomeningeal, and spine metastasis treatment
- Understand the role of genetics and genomics and precision medicine in the treatment of brain metastasis based on genetic information
- Ensure research teams remain at the forefront of research/scientific advances
- List the fundamentals of microenvironment involved in brain and leptomeningeal metastases
- Provide an overview of brain metastases biology, including the blood-brain barrier

Session 2: Checking privilege: Immunotherapy in the CNS

- Understand the role of immunotherapy (IO) and targeted therapies in the care of patients with solid tumor brain metastasis
- Understand the role and integration of systemic IO with local therapy options for patients with brain/spine metastasis
- Provide an overview of the biology of IO and the interaction between the immune system and brain metastases
- Understand the decision framework, guidelines, techniques and benefits for the treatment of brain metastasis using LITT
- Navigate the best current multi-disciplinary treatment strategies for cancer patients with spine metastasis

Session 3: Healing in Brain and Spine metastasis: The patient-provider partnership

- Appreciate the multi-disciplinary approach and current guidelines in the care of patients with CNS metastasis, incorporating a patient experience-centered perspective
- Understand the prognosis and impact on quality of life for patient with CNS metastasis
- Gain knowledge in interventional pain strategies to improve quality of life in patients with CNS metastasis
- Acknowledge and learn strategies to manage grief in the provider
- Understand the role of patient advocacy in the care of patients with CNS metastasis

Thank You to Our Exhibitors

Platinum



Gold

Medtronic

Silver



Friday, May 13, 2022

2:00–6:00 p.m. EST, Virtual

Session 1: Pipelines from bench to bedside: Recent advances in the lab and their present and future impacts on patient care

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| 2:00 p.m. | Welcome and Opening Remarks
Peter Fecci, MD, PhD
Carey Anders, MD |
| 2:10-2:30 | Keynote: Novel strategies to challenge brain metastasis lethality in mice and human
Manuel Valiente, PhD |
| 2:30-2:50 | Keynote: The circuitous journey of cancer cells to the leptomeninges
Dorothy Sipkins, MD, PhD |
| 2:50-3:00 | BREAK |
| 3:00-3:20 | Keynote: Deciphering therapeutic vulnerabilities of leptomeningeal metastasis
Adrienne Boire, MD, PhD |
| 3:20-3:40 | Keynote: Brain metastases and the blood-CSF barrier: The effects of therapy and associations with neurodegeneration
Josh Neman, PhD |
| 3:40-4:10 | Discussion and Q&A: Where do we go from here? Translation to the clinic
Moderator: Carey Anders, MD
Speakers: Manuel Valiente, PhD
Dorothy Sipkins, MD, PhD
Adrienne Boire, MD, PhD
Josh Neman, PhD |
| 4:10-4:20 | BREAK |
| 4:20-5:00 | Workshop 1 Panel Discussion: Novel approaches in the treatment of LMD
Moderators Sarah Sammons, MD
Sarah Jo Stephens, MD
Panelists Dorothy Sipkins, MD, PhD
Adrienne Boire, MD, PhD
Christopher Jones, MD, FAAHPM
Priya Kumthekar, MD |
| 5:00-5:10 | BREAK |

5:10-5:50	Workshop 2 Panel Discussion: Optimal incorporation of novel therapies in the care of patients with brain metastases
	Moderators April Salama, MD Jeffrey Clarke, MD
	Panelists Priscilla Brastianos, MD Sarah Goldberg, MD Hussein Tawbi, MD, PhD Pablo Leone, MD Scott Floyd, MD, PhD
5:50-6:00	Closing Remarks April Salama, MD

Saturday, May 14, 2022
10:00 a.m. – 5:45 p.m. EST

Session 2: Checking privilege: Immunotherapy in the CNS

10-10:10 a.m.	Opening Remarks Peter Fecci, MD, PhD
10:10-10:30	Keynote: IO in the treatment of patients with brain metastases: Melanoma and beyond Hussein Tawbi, MD, PhD
10:30-10:50	Keynote: The Undoing: The demise of the T cell amidst intracranial tumors Peter Fecci, MD, PhD
10:50-11:10	Keynote: Laser interstitial thermal therapy: Guidelines and pairings Eric Leuthardt, MD
11:10-11:40	Discussion and Q&A: The emerging role of IO and important considerations Moderator: Peter Fecci, MD, PhD Speakers: Hussein Tawbi, MD, PhD Eric Leuthardt, MD
11:40-11:55	BREAK
11:55-12:35	Workshop 3 Panel Discussion: Immunotherapy in brain metastases: Beyond PD-L1 Moderators Peter Fecci, MD, PhD Scott Floyd, MD, PhD Panelists Mustafa Khasraw, MD Robert Prins, PhD Collette Shen, MD

- 12:35-12:40 **BREAK**
- 12:40-1:20 **Workshop 4 Panel Discussion: Multi-modality management of spinal metastases – novel approaches in the IO era**
Moderators Rory Goodwin, MD, PhD
 Zachary Reitman, MD, PhD
Panelists John Kirkpatrick, MD, PhD
 Joshua Jones, MD
 Kristin Redmond, MD
 Mark Bilsky, MD
 Alan Sag, MD
 Chris Hoimes, DO, PhD
- 1:20-2:30 **LUNCH BREAK**
- CONCURRENT: Virtual Exhibit Hall:** [Exhibit Hall](#) with exhibitors
 Exhibitors: AstraZeneca, Medtronic, BrainLab, Caris, Varian

Session 3: Healing in Brain and Spine Metastasis: The patient-provider partnership

- 2:30-2:40 **Opening Remarks**
 John Kirkpatrick, MD, PhD
- 2:40-3:00 **Keynote: Integration of palliative care early and often for patients with brain and spine metastasis**
 Christopher Jones, MD
- 3:00-3:20 **Keynote: Utilization of interventional pain techniques to optimize quality of life for patients with CNS metastasis**
 Peter Yi, MD
- 3:20-3:40 **Keynote: Grief in the provider**
 Anthony Galanos, MD
- 3:40-4:00 **Keynote: The role of patient advocacy in brain and spine metastasis**
 Susan Dawson, Patient and Patient Advocate

4:00–4:30	Discussion and Q&A: Optimizing outcomes from the patient’s perspective Moderators John Kirkpatrick, MD, PhD Elizabeth Fricklas, PA-C, MMSc Speakers Anthony Galanos, MD Christopher Jones, MD Jordan Komisarow, MD Susan Dawson, Patient and Patient Advocate Elizabeth Levene, Patient
4:30–4:45	BREAK
4:45–5:35	Workshop 5 Panel Discussion: Navigating guidelines for patients with brain/spine metastasis Moderators Katy Peters, MD, PhD Peter Fecci, MD, PhD Panelists John Kirkpatrick, MD, PhD Manmeet Ahluwalia, MD Michael Vogelbaum, MD, PhD
5:35–5:45	Closing Remarks Peter Fecci, MD, PhD Carey Anders, MD Rory Goodwin, MD, PhD John Kirkpatrick, MD, PhD

Guest Speakers



Manmeet Ahluwalia, MD
Chief of Medical Oncology,
Chief Scientific Officer & Deputy Director
Miami Cancer Institute,
Baptist Health South Florida



Adrienne Boire, MD, PhD
Geoffrey Beene Junior Faculty Chair
Memorial Sloan Kettering Cancer Center



Susan Dawson
Patient and Patient Advocate



Joshua Jones, MD
Assistant Professor of Clinical Radiation Oncology
Chief, Palliative Service, Radiation Oncology
University of Pennsylvania



Pablo Leone, MD
Director, Program for Breast Cancer in Men
Assistant Professor of Medicine
Dana- Farber Cancer Institute, Dana-
Farber/Brigham & Women's Cancer Center
Harvard Medical School



Elizabeth Levene
Duke Patient



Robert Prins, PhD
Professor of Neurosurgery and Molecular and
Medical Pharmacology
University of California, Los Angeles



Mark Bilsky, MD
William E. Snee Endowed Chair
Vice Chairman of Clinical Affairs, Neurosurgery
Chief, Multi-Disciplinary Spine Tumor Service
Memorial Sloan Kettering Cancer Center



Priscilla Brastianos, MD
Associate Professor of Medicine
Director, CNS Metastasis Center
Massachusetts General Cancer Center
Harvard Medical School



Sarah Goldberg, MD
Associate Professor of Internal Medicine (Medical
Oncology)
Associate Director of
Hematology/Oncology Fellowship Program
Research Director, Center for Thoracic Cancer
Yale School of Medicine



Priya Kumthekar, MD
Associate Professor of Neurology (Neuro-oncology)
and Medicine (Hematology and Oncology)
Northwestern Medicine



Eric Leuthardt, MD
Chief, Division of Neurotechnology
Professor of Neurosurgery, Neuroscience, Biomedical
Engineering and Mechanical Engineering &
Materials Science
Director, Center for Innovation in Neuroscience and
Technology
Director, Brain Laser Center
Washington University



Josh Neman, PhD
Assistant Professor of Neurological Surgery and
Physiology & Neuroscience
Director for the PhD Program in Cancer Biology and
Genomics
University of Southern California



Kristin Redmond, MD MPH
Associate Professor of Radiation Oncology and
Molecular Radiation Sciences
John Hopkins



Colette Shen, MD, PhD
 Assistant Professor of Radiation Oncology
 Cyberknife Program Director
 University of North Carolina, Chapel Hill



Hussein Tawbi, MD, PhD
 Professor, Department of Melanoma Medical
 Oncology
 Deputy Chair, Department of Melanoma Medical
 Oncology
 Director of Personalized Cancer Therapy
 Department of Melanoma Medical Oncology
 Division of Cancer Medicine
 The University of Texas MD Anderson Cancer Center



Manuel Valiente, PhD
 Group Leader I EMBO YIP I ERC investigator
 Co-founder and Scientific Director of RENACER
 Brain Metastasis Group
 Molecular Oncology Programme, CNIO



Michael Vogelbaum, MD, PhD
 Program Leader, Department of Neuro-Oncology
 Chief of Neurosurgery
 Moffitt Cancer Center

The Duke Team



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 Duke Dept. of Medicine
 Medical Director, Duke Center for Brain and
 Spine Metastasis



Jeffrey Clarke, MD
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 Duke Dept. of Medicine
 Thoracic Medical Oncology Champion, Duke Center
 for Brain and Spine Metastasis



Peter Fecci, MD, PhD
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 Duke Dept. of Neurosurgery
 Director, Duke Center for Brain and Spine
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Scott Floyd, MD, PhD
 Gary Hock and Lyn Proctor Associate Professor
 Duke Dept. of Radiation Oncology
 Associate Radiation Director, Duke Center for Brain
 and Spine Metastasis



Elizabeth Fricklas, PA-C, MMSc
 Physician Assistant
 APP Palliative Care Lead, Duke Center for Brain
 and Spine Metastasis



Anthony Galanos, MD
 Professor
 Palliative Care Specialist
 Duke Dept. of Medicine



Rory Goodwin, MD, PhD
 Assistant Professor
 Duke Dept. of Neurosurgery
 Director, Spine Oncology
 Surgical Director, Duke Center for Brain and
 Spine Metastasis



Chris Hoimes, DO, PhD
 Instructor
 Duke Dept. of Medicine
 Genitourinary Oncology



Christopher Jones, MD, FAAHPM, MBA
 Instructor
 Palliative Medicine Specialist
 Duke Dept. of Medicine



John Kirkpatrick, MD, PhD
 Professor
 Duke Dept. of Radiation Oncology
 Radiation Director, Duke Center for Brain and Spine
 Metastasis



Mustafa Khasraw, MD, FRACP, MB ChB, MRCP
 Professor, Duke Dept. of Neurosurgery
 Translational Director, Duke Center for Brain
 and Spine Metastasis



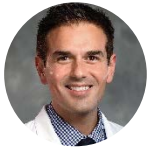
Jordan Komisarow, MD
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CME

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