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

AstraZeneca

Gold

Medtronic

Silver

BRAINLAB

CARIS LIFE SCIENCES

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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

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
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

**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

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

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

**Susan Dawson**  
Patient and Patient Advocate

**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

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

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

**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

**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

**Elizabeth Levene**  
Duke Patient

**Josh Neman, PhD**  
Assistant Professor of Neurosurgical and Molecular and Medical Pharmacology  
Director for the PhD Program in Cancer Biology and Genomics  
University of Southern California

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

**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 | EMBO YIP | 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

Carey Anders, MD  
Professor  
Duke Dept. of Medicine  
Medical Director, Duke Center for Brain and Spine Metastasis

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

Peter Fecci, MD, PhD  
Associate Professor  
Duke Dept. of Neurosurgery  
Director, Duke Center for Brain and Spine Metastasis

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 Komisarrow, MD  
Assistant Professor of Neurosurgery  
Duke Dept. of Neurosurgery  
Duke Center for Brain and Spine Metastasis
CME

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