ACCREDITATION AND FACULTY DISCLOSURE

Capital Health is accredited by the Medical Society of New Jersey to provide continuing medical education for physicians.

Capital Health designates this live activity for a maximum of 4 AMA PRA Category I Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Capital Health is an approved provider of continuing nursing education by the New Jersey State Nurses Association, an accredited approver with distinction by the American Nurses Credentialing Center's Commission on Accreditation. (Provider Number P122-7/17-20)

This program is approved for 4.5 nursing contact hours. Successful completion of contact hours requires participants to sign-in, complete an evaluation form and attend the entire program.

Approval status does not imply endorsement by Capital Health, the NJSNA or ANCC of any commercial products discussed and/or displayed in conjunction with the educational activity.

All faculty and planning committee members participating in a Capital Health sponsored activity must disclose relevant financial relationships and/or a conflict of interest. Individual disclosures will be printed in the course syllabus.

REGISTRATION AND INFORMATION

Register online at **capitalneuro.org**. Registration and information are also available by calling **609.815.7790**.

REGISTRATION FEES

Physicians: **$75**

Nurses, Physical Therapists, Residents, and other Health Care Professionals: **$40**

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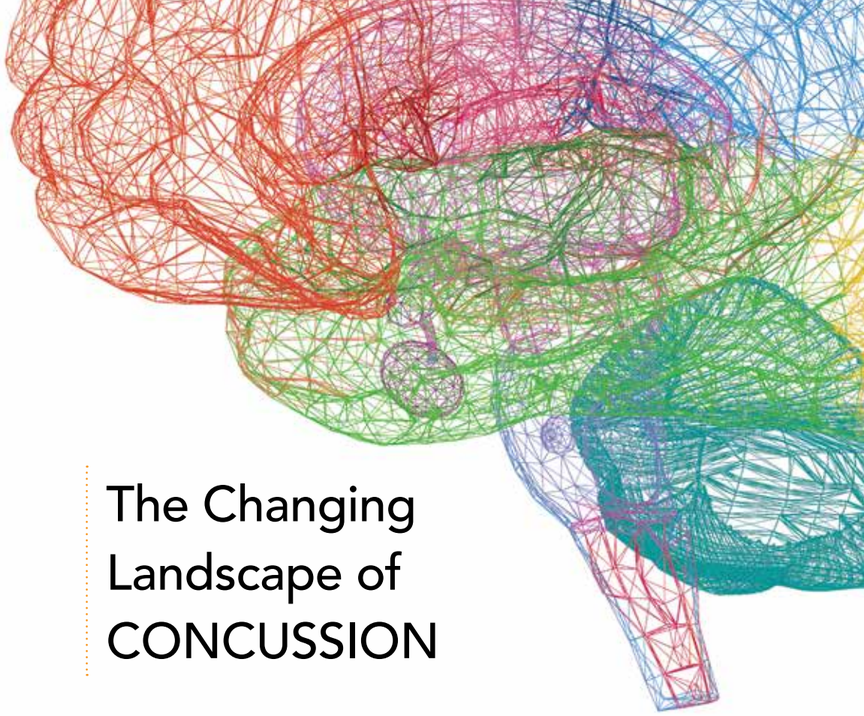

The Changing Landscape of CONCUSSION

SATURDAY. MARCH 30 . 2019 . 8 a.m. – 2:30 p.m.

Taylor Auditorium/Frick Atrium/Chemistry Building
PRINCETON UNIVERSITY

Earn up to 4 AMA PRA Category I Credits™
or 4.5 Nursing Contact Hours

Register online at **www.capitalneuro.org**

PRINCETON UNIVERSITY

Brain Injury Alliance NEW JERSEY

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The Changing Landscape of CONCUSSION

OVERVIEW

The Changing Landscape of Concussion symposium will focus on the changing concept of concussion and evolving research that suggests potentially more serious and long lasting consequences surrounding this injury. Internationally renowned researchers and clinical providers will present information that may alter how a young athlete with a concussion is evaluated and treated and provide background for additional research.

Professionals caring for young people with concussions or traumatic brain injuries, as well as healthcare providers, educational systems, health departments and youth sports groups may benefit from this program.

Professionals caring for young people with concussions or traumatic brain injuries will find the emerging data and presentations valuable. Healthcare providers, educational systems, health departments and youth sports groups may use the information to rethink their current protocols to maximize the safety of all our students. This program should also stimulate discussions on the potential long-term significance of what was previously considered a benign condition.

TARGET AUDIENCE/WHO SHOULD ATTEND

The program will benefit physicians, advanced practitioners, nurses, residents, and other clinicians in the specialties of neurology, emergency medicine, neurological radiology, internal medicine, family medicine and primary care.

LEARNING OBJECTIVES

Upon completion of the program, participants will be able to:

+ Identify the potential for serious long-term sequale of a concussion.
+ Describe the neuropathological changes associated with chronic traumatic encephalopathy (CTE).
+ Discuss structural changes in the deep white matter of the brain associated with concussion.
+ Describe how limits in concussion detection impact determination of the epidemiology of sports related concussion (SRC), subconcussive injury, and chronic traumatic encephalopathy.
+ Discuss the invisible nature of the concussive injury for both the athlete and others around him/her.

PROGRAM

8 – 8:45 a.m. Registration and Continental Breakfast

8:45 a.m. Welcome and Introductions
Annegret Dettwiler-Danspeckgruber, EdD, MS
Principal Investigator
Neuroscience of Traumatic Brain Injury Laboratory
Princeton Neuroscience Institute, Princeton University

Emil L. Matarese, MD
Director, Concussion Program
Capital Institute for Neuroscience, Capital Health

9 a.m. Introduction of Speaker/Personal Narrative
Robin Smith, PhD

9:15 – 10 a.m. Past, Present, and Where We Are Going
Emil L. Matarese, MD
Director, Concussion Program
Capital Institute for Neuroscience
Capital Health

10 – 10:45 a.m. The Face of Chronic Traumatic Encephalopathy
Ann McKee, MD
Chief, Neuropathology Service, VA Boston
Director, CTE Center
Associate Director, Boston University Alzheimer's Disease Center
Professor of Neurology and Pathology
Boston University School of Medicine

10:45 – 11:30 a.m. Monitoring Neural Recovery after Concussion with Diffusion Tensor (DTI) and Functional Magnetic Resonance Imaging (fMRI)
Annegret Dettwiler-Danspeckgruber, EdD, MS
Principal Investigator
Neuroscience of Traumatic Brain Injury Laboratory
Princeton Neuroscience Institute, Princeton University

11:30 a.m. – 12 p.m. Lunch

12 – 12:45 p.m. Epidemiologic Perspective of Traumatic Brain Injury
James M. Noble, MD, MS, CPH, FAAN
Associate Professor of Neurology at CUMC
Taub Institute for Research on Alzheimer's Disease and the Aging Brain
G.H. Sergievsky Center, Department of Neurology
Columbia University Medical Center

12:45 – 1:30 p.m. The Changing Culture of Sports
Katharine Holmes, B.A.
Past and Present Olympian
Research Assistant
Neuroscience of Traumatic Brain Injury Laboratory
Princeton Neuroscience Institute, Princeton University

1:30 – 1:45 p.m. Education and Outreach
Joy Melendez, MSW, Director of Education and Outreach
Brain Injury Alliance of New Jersey

1:45 – 2:15 pm Question and Answer Panel
Dr. Matarese, Dr. McKee, Dr. Dettwiler-Danspeckgruber, Dr. Noble, and **Kat Holmes**

2:15 – 2:30 pm Evaluations and Closing

KEYNOTE SPEAKER **Ann McKee, MD**

Chief, Neuropathology Service, VA Boston
Director, CTE Center
Associate Director, Boston University Alzheimer's Disease Center
Professor of Neurology and Pathology
Boston University School of Medicine

Over the past 10 years, Dr. McKee has concentrated on the long-term effects of concussion, subconcussion and blast injury and Chronic Traumatic Encephalopathy (CTE) in contact sports athletes and military veterans. Her work has shifted the prevailing paradigm of scientific thought regarding head trauma. She has published more than 70 percent of the world's cases of CTE ever reported and created the VA-BU-CLF brain bank, the world's largest repository of brains from individuals exposed to traumatic brain injuries (more than 690) and neuropathologically confirmed CTE (more than 400).