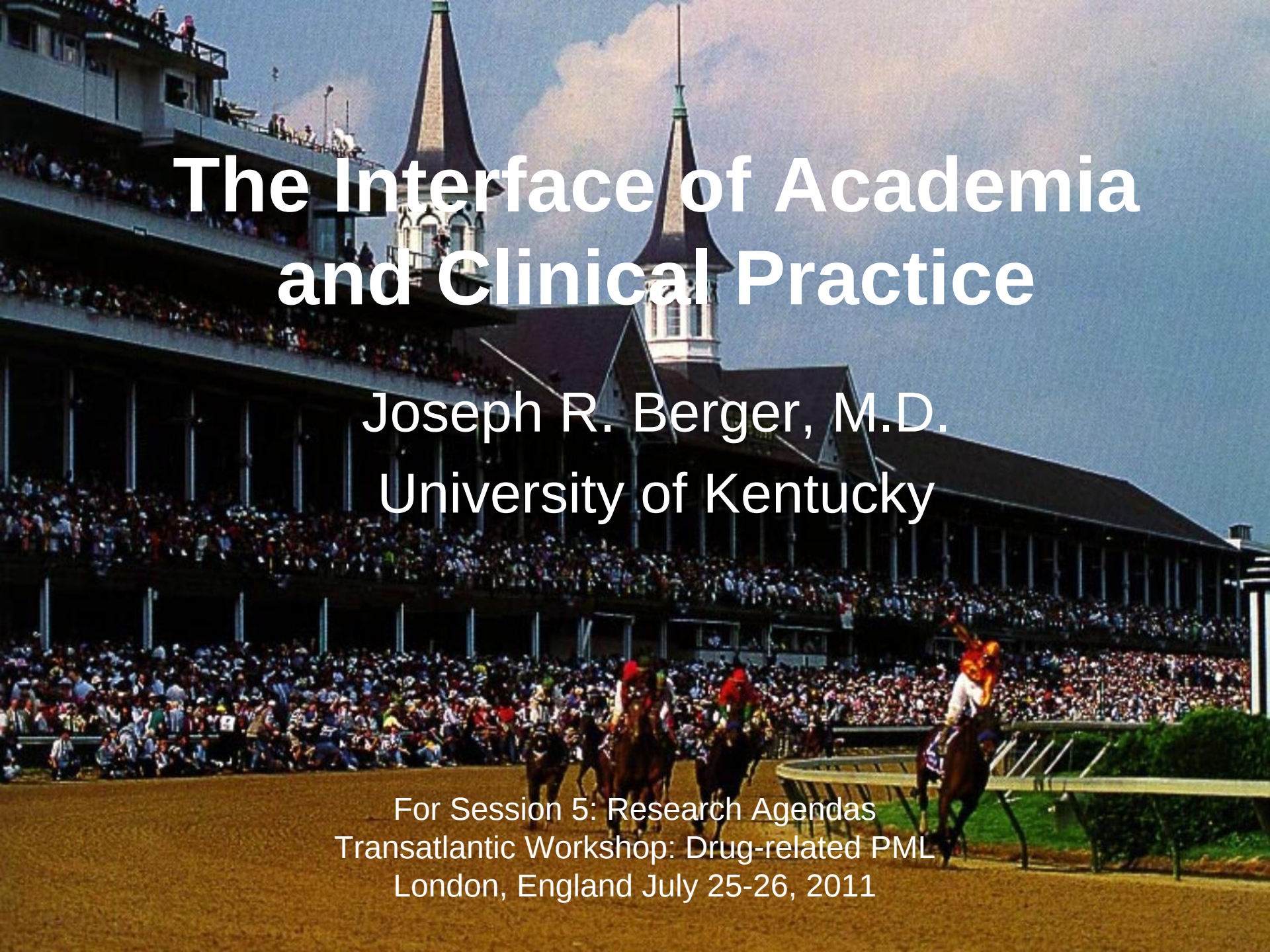


The background image is a photograph of a horse race track. In the foreground, several horses and jockeys are racing on a dirt track. The jockeys are wearing colorful silks. In the middle ground, a large, multi-tiered grandstand is filled with a dense crowd of spectators. Behind the grandstand is a large, dark-colored building with a prominent roofline. Two tall, pointed spires or towers are visible on the building's roof. The sky is blue with some light clouds. The overall scene is a vibrant and busy depiction of a horse racing event.

The Interface of Academia and Clinical Practice

Joseph R. Berger, M.D.
University of Kentucky

For Session 5: Research Agendas
Transatlantic Workshop: Drug-related PML
London, England July 25-26, 2011

Interface of Practicing Clinician with Academic Center

- Risk/benefit ratio for treatment
 - Should my patient be treated with natalizumab?
- Predictors for PML
 - Are there patients I should not put on the drug?
 - Are there lab parameters I should be following in my natalizumab treated patients?
- Value of drug holiday
 - Should I stop natalizumab after 12 months, 18 months or 2 years?

Interface of Practicing Clinician with Academic Center

- Value of drug holiday
 - Should MRIs or CSF JCV PCR be performed periodically?
- PML diagnosis
 - My MS patient has experienced a new neurological problem. Is this MS or PML?
- PML treatment
 - My patient has PML – how should I treat them?

Research Questions from the Clinical Arena

- Risk mitigation
 - Patient selection
 - Identifying predictors for PML
- Diagnosing PML
 - Early identifiable features
 - Algorithms for diagnosis
- Treatment of PML

The Evolving Model of Medicine

- Two examples from Neurology
 - Neuro-oncology
 - Diagnosis established in generalist office
 - Therapy received in center specializing in brain tumors
 - Multiple Sclerosis
 - Until 2005: Dx and Rx in generalist office
 - 2005-Present: Increasing reliance on MS clinics
 - Future: Likely to parallel Neuro-oncology experience

*There is nothing
wrong with
change, if it is in
the right direction*



Winston Churchill
1874-1965