First International Workshop on
Focal Therapy and Imaging of Prostate Cancer

The first world summit exploring groundbreaking techniques in the treatment of prostate cancer

This two-day conference will feature live case studies and international experts who will provide insight into imaging of individual foci within the gland and minimally invasive focal, gland-preserving techniques for the prostate cancer patient.

Washington Duke Inn
February 21-22, 2008

Sponsored by the Duke University School of Medicine
**Distinguished Faculty**

**Thomas J. Polascik, M.D.**
CME Activity Medical Director
Duke University Medical Center
Durham, NC

**Speakers**

Winston Barzell, M.D.
Sarasota Medical Center
Sarasota, FL

John G. Baust, Ph.D.
Binghamton University
Binghamton, NY

Arie Beldegrun, M.D.
University of California
Los Angeles, CA

David Bostwick, M.D., M.B.A.
Bostwick Laboratories
Glen Allen, VA

Christian Chaussy, M.D.
University of Munich
Munich, Germany

Jeffrey Cohen, M.D.
Triangle Urology Group
Pittsburgh, PA

Anthony D’Amico, M.D., Ph.D.
Harvard Medical School
Boston, MA

Jean de la Rosette, M.D., Ph.D.
University of Amsterdam
Amsterdam, The Netherlands

Frans M.J. Debruyne, M.D., Ph.D.
University Hospital Nijmegen
Nijmegen, The Netherlands

Mark Emberton, M.D.
University College of London
London, United Kingdom

Daniel J. George, M.D.
Duke University Medical Center
Durham, NC

Mark M. Goodman, M.D.
Emory University Medical Center
Atlanta, GA

Masoom A. Haider, M.D.
University of Toronto
Toronto, ON, Canada

Mukesh G. Harisinghani, M.D.
Harvard Medical School
Boston, MA

Irving Kaplan, M.D.
Harvard Medical School
Boston, MA

Aaron E. Katz, M.D.
Columbia University College of Physicians and Surgeons
New York, NY

Gary J. Kelloff, M.D.
National Institutes of Health
Bethesda, MD

John Kurhanewicz, Ph.D.
University of California
San Francisco, CA

W. Robert Lee, M.D.
Duke University Medical Center
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H. Kim Lyerly, M.D.
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John F. Madden, M.D., Ph.D.
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Michael Marberger, M.D.
Allgemeines University
Vienna, Austria

Judd W. Moul, M.D.
Duke University Medical Center
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Vladimir Mouraviev, M.D., Ph.D.
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Peter S. Nelson, M.D.
Fred Hutchinson Cancer Research Institute
Seattle, WA

Thomas J. Polascik, M.D.
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Martin G. Pomper, M.D., Ph.D.
Johns Hopkins University School of Medicine
Baltimore, MD

Gary Robertson, M.D.
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Daniel Rukstalis, M.D.
Geisinger Medical Center
Danville, PA

Faina Shtern, M.D.
Harvard Medical School
Boston, MA

Katsuto Shinohara, M.D.
University of California
San Francisco, CA

Daniel C. Sullivan, M.D.
Duke University Medical Center
Durham, NC

John Trachtenberg, M.D.
University of Toronto
Toronto, ON, Canada

Arnauld Villers, M.D.
Regional University of Lille
Lille, France

Zeljko Vujaskovic, M.D., Ph.D.
Duke University Medical Center
Durham, NC

Warren S. Warren, Ph.D.
Duke University Medical Center
Durham, NC

Thomas M. Wheeler, M.D.
Baylor College of Medicine
Houston, TX
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<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>8:00 – 8:10 a.m.</td>
<td>Welcome and Activity Overview</td>
<td>Thomas J. Polascik, M.D.</td>
</tr>
<tr>
<td>8:10 – 8:20 a.m.</td>
<td>Introduction: The Changing Face of Prostate Cancer</td>
<td>Judd W. Moul, M.D.</td>
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<tr>
<td>8:20 – 8:30 a.m.</td>
<td>Focal Therapy for Breast Cancer: Is There a Parallel for Prostate Cancer?</td>
<td>H. Kim Lyerly, M.D.</td>
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**Session I**

Pathologic and Molecular Characteristics of Small Prostate Cancers

**Moderator:** David Bostwick, M.D., M.B.A.

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<tr>
<td>8:30 – 8:45 a.m.</td>
<td>Unifocality Versus Multifocality</td>
<td>Thomas M. Wheeler, M.D.</td>
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<tr>
<td>8:45 – 9:00 a.m.</td>
<td>Focal Therapy: The Pathologist's Perspective</td>
<td>David Bostwick, M.D., M.B.A.</td>
</tr>
<tr>
<td>9:00 – 9:15 a.m.</td>
<td>Pathologic Mapping of Prostate Cancer</td>
<td>John F. Madden, M.D., Ph.D.</td>
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<tr>
<td>9:15 – 9:30 a.m.</td>
<td>A Molecular Correlate to the Gleason Grading System for Prostate Cancer</td>
<td>Peter S. Nelson, M.D.</td>
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<tr>
<td>9:30 – 9:45 a.m.</td>
<td>Molecular Basis for Optimizing Thermoablation</td>
<td>John G. Baust, Ph.D.</td>
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<tr>
<td>9:45 – 10:15 a.m.</td>
<td>Panel Discussion: How Tumor Characteristics of Early Stage Disease has Changed: Time for a New Treatment Paradigm?</td>
<td>Moderator: David Bostwick, M.D., M.B.A.</td>
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<td></td>
<td>Panelists: Drs. Wheeler, Madden, Nelson, Baust</td>
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<tr>
<td>10:15 – 10:30 a.m.</td>
<td>Break</td>
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**Session II**

Biopsy Strategies to Detect Small Prostate Cancers

**Moderator:** Michael Marberger, M.D.

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<tr>
<td>10:30 – 10:45 a.m.</td>
<td>Using a 3-Dimensional Ultrasound System for Prostate Cancer Detection</td>
<td>Vladimir Mouraviev, M.D., Ph.D.</td>
</tr>
<tr>
<td>10:45 – 11:00 a.m.</td>
<td>3-Dimensional, Saturation, Template-guided, Transperineal Biopsy of Prostate for Selection of Candidates for Focal Targeted Ablation</td>
<td>Winston Barzell, M.D.</td>
</tr>
<tr>
<td>11:00 – 11:15 a.m.</td>
<td>Magnetic Resonance Imaging – Ultrasound Guided Stereotactic Prostate Biopsy</td>
<td>Irving Kaplan, M.D.</td>
</tr>
<tr>
<td>11:15 – 11:30 a.m.</td>
<td>Panel Discussion: How to Improve Prostate Cancer Detection by Biopsy</td>
<td>Moderator: Michael Marberger, M.D.</td>
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<td></td>
<td>Panelists: Drs. Barzell, Kaplan, Mouraviev</td>
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<tr>
<td>11:30 a.m. – 12:30 p.m.</td>
<td>Lunch</td>
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Session IIIA

*Imaging Prostate Cancer within the Gland*

**Moderator:** Daniel C. Sullivan, M.D.

12:30 – 12:50 p.m. Molecular Imaging in Oncology

Daniel C. Sullivan, M.D.

12:50 – 1:05 p.m. Functional Transrectal Ultrasound Imaging: Tool for Prostate Cancer Detection

Jean de la Rosette, M.D., Ph.D.

1:05 – 1:20 p.m. PSMA-based Imaging Agents for Prostate Cancer

Martin G. Pomper, M.D., Ph.D.

1:20 – 1:35 p.m. Initial Experience with Radiotracer Anti-1-Amino-3\(^{18}\) F-Fluorocyclobutane 1-Carboxylic Acid with PET/CT in Prostate Cancer

Mark M. Goodman, M.D.

1:35 – 1:50 p.m. Magnetic Resonance Imaging in Localization of Prostate Cancer

Masoom A. Haider, M.D.

1:50 – 2:05 p.m. Dynamic Contrast-enhanced Magnetic Resonance Imaging for Preoperative Identification of Localized Prostate Cancer

Arnauld Villers, M.D.

2:05 – 2:20 p.m. Magnetic Resonance Anatomic and Spectroscopic Imaging of Prostate Cancer

John Kurhanewicz, Ph.D.

2:20 – 2:30 p.m. Discussion/Q&A

2:30 – 3:00 p.m. Break

Session IIIB

*Imaging Prostate Cancer within the Gland*

**Moderator:** Daniel C. Sullivan, M.D.

3:00 – 3:15 p.m. Use of Raman Spectroscopy for Selection of Small Size Tumors Amenable to Focal Ablation

Jeffrey Cohen, M.D.

3:15 – 3:30 p.m. Lymphotrophic Nanoparticle Enhanced MRI in Prostate Cancer Staging

Mukesh G. Harisinghani, M.D.

3:30 – 3:45 p.m. The American College of Radiology Imaging Network (ACRIN) Multi-Center Clinical Trials

Mukesh G. Harisinghani, M.D.

3:45 – 4:00 p.m. The Future of Molecular and Biomolecular Imaging

Warren S. Warren, Ph.D.

4:00 – 4:30 p.m. Panel Discussion: Future Prospects in Imaging of Prostate Cancer within the Gland

Moderator: Daniel C. Sullivan, M.D.
Panelists: Drs. de la Rosette, Pomper, Kurhanewicz, Haider, Villers, Harisinghani, Goodman, Cohen, Warren

4:30 – 4:45 p.m. Session Conclusion and Summation

Thomas J. Polascik, M.D.

4:45 p.m. Adjourn
Friday, February 22
Focal Therapy for Early Stage Prostate Cancer

Session IV
Patient Selection and Endpoints for Focal Therapy

**Moderator:** Gary J. Kelloff, M.D.

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<tr>
<td>8:00 – 8:15 a.m.</td>
<td>Perspectives on Incorporating Focal Therapy into the Management of Early Prostate Cancer</td>
<td>Gary J. Kelloff, M.D.</td>
</tr>
<tr>
<td>8:15 – 8:30 a.m.</td>
<td>Patient Selection for Focal Therapy</td>
<td>Thomas J. Polascik, M.D.</td>
</tr>
<tr>
<td>8:30 – 8:45 a.m.</td>
<td>Biochemical and Clinical Parameters to Define Efficacy of Focal Therapy</td>
<td>John Trachtenberg, M.D., FRCS</td>
</tr>
<tr>
<td>8:45 – 9:00 a.m.</td>
<td>Methodological Considerations in Designing Therapeutic Trials for Prostate Cancer that Involve Prostate Preservation</td>
<td>Mark Emberton, M.D., FRCS</td>
</tr>
<tr>
<td>9:00 – 9:30 a.m.</td>
<td>Panel Discussion: Patient Selection and Therapeutic Endpoints for Focal Therapy</td>
<td>Moderator: Gary J. Kelloff, M.D. Panelists: Drs. Debruyne, Trachtenberg, Emberton, Polascik</td>
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9:30 – 9:45 a.m. Break

Session V
Focal Cryoablation

**Moderator:** Arie Belldegrun, M.D.

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<tr>
<td>9:45 – 10:30 a.m.</td>
<td>Live Case Demonstration: Focal Cryoablation</td>
<td>Thomas J. Polascik, M.D.</td>
</tr>
<tr>
<td>10:30 – 10:45 a.m.</td>
<td>Indications for Focal Cryoablation – UCSF Experience</td>
<td>Katsuto Shinohara, M.D.</td>
</tr>
<tr>
<td>10:45 – 11:00 a.m.</td>
<td>Cryosurgical Ablation of Unifocal Lesions – Columbia University Experience</td>
<td>Aaron E. Katz, M.D.</td>
</tr>
<tr>
<td>11:00-11:15 a.m.</td>
<td>Patient-specific Modifications of Ultrasound-guided Prostatic Focal Cryoablation</td>
<td>Daniel Rukstalis, M.D.</td>
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Session VI
Focal Brachytherapy

**Moderator:** Zeljko Vujaskovic M.D., Ph.D.

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<tr>
<td>11:15 – 11:30 a.m.</td>
<td>Magnetic Resonance Imaging-guided Brachytherapy</td>
<td>Anthony D’Amico, M.D., Ph.D.</td>
</tr>
<tr>
<td>11:30 – 11:45 a.m.</td>
<td>Prospects for Focal Brachytherapy</td>
<td>W. Robert Lee, M.D.</td>
</tr>
<tr>
<td>11:45 a.m. – 12:15 p.m.</td>
<td>Panel Discussion: Focal Cryosurgery and Brachytherapy</td>
<td>Moderator: Zeljko Vujaskovic M.D., Ph.D. Panelists: Drs. Belldegrun, Polascik, Shinohara, Katz, Rukstalis, D’Amico, Lee</td>
</tr>
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</table>

12:15 – 1:15 p.m. Lunch
February 22 (cont’d.)

Session VII

**Vascular Targeted Photodynamic Therapy (VTP)**

**Moderator:** Frans Debruyne M.D., Ph.D.

1:15 – 1:30 p.m.  **VTP in the Treatment of Localized Prostate Cancer**
                  Frans Debruyne M.D., Ph.D.

1:30 – 1:45 p.m.  **Results of a Phase II Trial for Untreated Localized Prostate Cancer: London Experience**
                  Mark Emberton, M.D., FRCS

1:45 – 2:00 p.m.  **Intermediate and Endpoint Criteria for Treatment Outcome Definitions: Toronto Experience**
                  John Trachtenberg, M.D., FRCS

Session VIII

**Focal High Intensity Focused Ultrasound (HIFU)**

**Moderator:** Arnauld Villers, M.D.

2:00 – 2:30 p.m.  **Live Case Demonstration: HIFU**
                  Cary N. Robertson, M.D.

2:30 – 2:45 p.m.  **Pulsed HIFU for Localized Prostate Cancer**
                  Christian Chaussy, M.D.

2:45 – 3:00 p.m.  **Current Status and Prospects of HIFU for Focal Therapy of Prostate Cancer**
                  Michael Marberger, M.D.

3:00 – 3:15 p.m.  **Break**

3:15 – 3:45 p.m.  **Panel Discussion: VTP and HIFU for Focal Therapy of Prostate Cancer**
                  **Moderator:** John Trachtenberg M.D., FRCS
                  **Panelists:** Drs. Chaussy, Emberton, Marberger, Robertson, Debruyne, Villers

Session IX

**Future Prospects of Focal Therapy**

**Moderator:** Daniel Rukstalis, M.D.

3:45 – 4:00 p.m.  **Focal Unilateral Ablation and Chemoprevention of the Contralateral Lobe**
                  Daniel J. George, M.D.

4:00 – 4:15 p.m.  **Future Prospects of Focal Therapy**
                  Thomas J. Polascik, M.D.

4:15 – 4:30 p.m.  **Discussion and Activity Summation**
                  Thomas J. Polascik, M.D.

4:30 – 4:35 p.m.  **Announcement of Second Duke-Amsterdam International Workshop on Focal Therapy and Imaging of Prostate Cancer in Amsterdam, The Netherlands, 2009**
                  Jean de la Rosette, M.D., Ph.D.

4:35 p.m.  **Adjourn**

*NOTE*

Ample time for questions and answers will be provided at the conclusion of each session.