The 28th Annual High Country Nuclear Medicine Conference

Vail Marriott Mountain Resort & Spa
Vail, Colorado
March 2–7, 2007
www.snm.org/hcnmc

Twenty-eighth year of promoting professional inter-disciplinary dialogue on diagnostic imaging

Sponsored by the Education & Research Foundation of the SNM
For more than a quarter century, the High Country Nuclear Medicine Conference has featured contemporary and futuristic topics in nuclear medicine and other imaging disciplines. High Country will continue to blend experts from academia and industry, along with leaders within the regulatory agencies and health care researchers in an informal setting to facilitate dialog and an exchange of ideas. The 28th Annual Conference will take on a slightly different flair as the Organizing Committee will now work directly with the SNM to assist in planning the logistics for the conference. Hal and Ann O’Brien will now serve as valued advisors and continued members of the organizing team. We applaud their tireless dedication to the meeting and attention to details that have made this conference a perennial success.

The HCNMC will continue to have early morning and late afternoon sessions, each of which will allow ample time for the informative discussions that have made this meeting famous.

The first session will feature radiopharmaceutical imaging in drug development with a special emphasis on translational research and restraints on imaging in early drug trials. A cardiology-specific session will examine imaging options in the management of heart failure, including novel molecular approaches for neurohumoral and metabolic imaging. New technology employing hybrid devices (PET/CT and SPECT/CT) will be featured in a unique session reviewing recent protocol developments and advances in fusion imaging. Two sessions will focus on important non-technologic issues of nuclear medicine, with the first directed towards quality initiatives such as appropriateness of imaging and payment for performance. There will also be the annual regulatory session with representation from policy makers, key societies and organizations, to provide for a roundtable discussion of political, technical and financial issues that effect our specialty. The program committee also wanted to extend the content beyond the usual topics and will have a session on advances in non-nuclear medicine imaging and its anticipated impact. A morning session will examine non-nuclear contrast agents and how they might compete with nuclear. Similarly, instrumentation advances, especially as related to dynamic SPECT will be featured in an afternoon session. Finally, new to this year, will be a summary of conference highlights and a dialog to chart the future of the HCNMC.

**Program Overview**

A major emphasis of the meeting is fostering open and informal discussion; therefore, the dress code is informal and enrollment is limited to 130 registrants at any one session. If the conference is filled, registrants will be placed on a waiting list as applications are received. The program runs Saturday through Wednesday morning.
High Country Nuclear Medicine Conference Schedule
March 2–7, 2007

FRIDAY
MARCH 2

6:00pm–8:30pm
Registration and Reception

SATURDAY
MARCH 3

7:00am–9:30am
Imaging in Drug Development
Moderators: James Fletcher, MD and Adrian Nunn, PhD

Differences in Imaging Between Routine Clinical and Clinical Trials. Standardization Between Sites, Rigid Protocols, Quality Control, Phantoms, Reproducibility, Timing, etc.
Colin Miller, PhD, F.I.C.R.

What a (Company) Oncologist Wants From Imaging Studies in a Clinical Trial - and What He Gets.
Oncologist - TBA

What a (company) Neurologist/Pharmacokineticist Wants from Imaging Studies in a Clinical Trial - and What He Gets.
Johannes Tauscher, MD

PET in a Pharmaceutical Company
TBA

What an Imager Can Give?
Peter Conti, MD, PhD

4:30pm–7:30pm
Image-Based Approaches to Heart Failure
Co-Moderators: Robert Hendel, MD and Daniel Berman, MD

Overview of Heart Failure
Robert Hendel, MD
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<th><strong>SATURDAY</strong></th>
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<tr>
<td><strong>Contemporary Approaches for Viability Assessment</strong>&lt;br&gt;Markus Schwaiger, MD</td>
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<td><strong>Update on Clinical Trials Involving Nuclear Cardiology, Including STICH</strong>&lt;br&gt;Daniel Berman, MD</td>
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<td><strong>Neurohumoral Imaging</strong>&lt;br&gt;Robert Hendel, MD</td>
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<td><strong>Fatty Acids and Metabolic Imaging</strong>&lt;br&gt;TBA</td>
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<td><strong>Assessment of Cardiac Dysynchrony</strong>&lt;br&gt;Ernest Garcia, PhD</td>
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<th><strong>SUNDAY</strong></th>
<th><strong>MARCH 4</strong></th>
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<td><strong>7:00AM–9:30AM</strong>&lt;br&gt;<strong>Contemporary Hybrid Imaging: SPECT/CT and PET/CT</strong>&lt;br&gt;Co-Moderators: James Fletcher, MD and Andrew Taylor, MD</td>
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<td><strong>Current Status and Future of SPECT/CT</strong>&lt;br&gt;Jack Ziffer, MD, PhD</td>
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<td><strong>Development of PET/CT Acquisition/Contrast Standards for Oncology</strong>&lt;br&gt;Markus Schwaiger, MD</td>
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<td><strong>Role of Contrast in PET/CT</strong>&lt;br&gt;Paul Shreve, MD</td>
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<td><strong>Contemporary PET/CT Imaging Systems—Where Do We Go From Here?</strong>&lt;br&gt;James Fletcher, MD</td>
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<td><strong>Role of PET/MR: Will We All Need To Purchase a PET/MR Unit?</strong>&lt;br&gt;Markus Schwaiger, MD and Jack Ziffer, MD, PhD</td>
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<td><strong>Future of New PET Radiopharmaceuticals</strong>&lt;br&gt;Markus Schwaiger, MD</td>
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<td><strong>The SNM PET Center of Excellence: Current Status</strong>&lt;br&gt;James Fletcher, MD</td>
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SUNDAY
MARCH 4

4:30PM–7:30PM
Quality in Nuclear Medicine: Appropriateness, P4P and Beyond
Co-Moderators: Denise Merlino, CNMT, MBA, C.P.C. and Robert Hendel, MD

CMS Perspective on P4P and Quality Initiatives
Susan Nedza, MD, MBA, FACEP

Private Payer Perspective on quality Initiatives
Carole Flamm, MD

Congressional Perspective on quality and Beyond
Brian P. Carey, JD

CMS Coverage with Evidence Development (CED), NOPR, Where are They Now? CED and Future Coverage?
Denise Merlino, CNMT, MBA, C.P.C.

Appropriateness Criteria: The ACC Approach
Robert Hendel, MD

Panel/Audience Discussion:
Presenters, Co-Moderators: Kim A. Williams, MD (ASNC), (ACR) participant TBA, Peter Conti, MD, PhD (SNM)

MONDAY
MARCH 5

7:00AM–9:30AM
Nuclear Medicine Regulatory Forum
Co-Moderators: Carl Seidel, MS and Roy Brown, MA

Representatives of Specialty Medical Societies (SNM) and Leaders & Scientists From Industry (CORAR, NEMA) and Leaders and Scientists From Regulatory Agencies and Institutes, (FDA, NCI, NIBIB)

Overview of CORAR's Industry Regulatory Issues
Roy W. Brown, MS

Current Instrumentation/Regulatory Issues at the Nuclear Medicine Section of NEMA
Peter Conti, MD, PhD
Current Issues at NEMA
NEMA representative

Risk Associated with Nuclear Cardiology Procedures
Tim Bateman, MD

The New PET cGMPs & other FDA Issues
George Mills, MD

Comments on the “State of Nuclear Medicine” Review
Belinda Seto, PhD

NIH Activities Related to Radiopharmaceuticals
Daniel C. Sullivan, MD

4:30PM–6:30PM
Advances in Non-Nuclear Imaging and Impact on NM
Co-Moderators: Robert Hendel, MD, Ernest Garcia, PhD and Daniel Berman, MD

Cardiac CT: Fundamentals and Potential Impact on Nuclear Cardiology
Daniel Berman, MD

Assessment of Renal Disease
Andrew Taylor, MD

Functional Brain Imaging
Michael Devous, PhD

6:30PM–7:30PM
8th Invitational Lecture:
Wine and Food Pairings: Why and How?
Mercer Mohr
Executive Chef, Vail Marriott Moutainside Resort and Spa

7:45PM–9:30PM
Buffet Banquet
**TUESDAY**

**MARCH 6**

### 7:00AM–9:30AM

**Non-nuclear Molecular Imaging**

*Co-Moderators: Adrian Nunn, PhD and Michael Devous, PhD*

- Targeted Ultrasound
  *Alexander L. (Sasha) Klibanov, PhD, Dr. Sc.*

- Targeted MRI and CT Sensitivity Aspects
  *TBA*

- CEST, ParaCEST
  *TBA*

- Optical Imaging
  *TBA*

### 4:30PM-7:30PM

**Dynamic Nuclear Medicine Imaging and Innovative Instrumentation**

*Co-Moderators: Ernest Garcia, PhD and Daniel Berman, MD*

- D-SPECT: Design and Performance
  *James Patton, PhD*

- CardiArc: Design and Performance
  *Jack Juni, MD*

- Wide beam Reconstruction: Design and Performance
  *Shuli Shwartz, PhD*

- Dynamic SPECT Applications
  *Grant Gullberg, PhD*

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**WEDNESDAY**

**MARCH 7**

### 7:00AM–9:30AM

**Conference Highlights and Future Directions**

*Co-Moderators: Naomi Alazraki, MD and Denise Merlino, CNMT, MBA, C.P.C.*
2007 Faculty, Organizing and Program Committees

Naomi Alazraki, MD**
Emory University School of Medicine and VAMC

Timothy M. Bateman, MD, FACC
Mid Atlantic Heart Institute
University of Missouri School of Medicine

Daniel Berman, MD**
Cedars-Sinai Medical Center

Roy W. Brown, BS, MA**
CORAR

Timothy M. Bateman, MD, FACC
Mid Atlantic Heart Institute
University of Missouri School of Medicine

Daniel Berman, MD**
Cedars-Sinai Medical Center

Carole Flamm, MD
Blue Cross Blue Shield Association

James W. Fletcher, MD**
Indiana/Purdue University at Indianapolis

Ernest V. Garcia, PhD**
Emory University School of Medicine

Grant Gullberg, PhD
Ernest Orlando Lawrence Berkeley National Laboratory

Robert Hendel, MD**
Midwest Heart Specialists

David M. Hollnagel, BS, CNMT**
Ledford Medical

Jack E. Juni, MD, FACNP
William Beaumont Hospital

Alexander L. (Sasha) Klibanov, PhD, Dr. Sc.
University of Nebraska Medical Center

James F. Lamb, PhD*
Cyclomedical Applications Group, LLC

Denise A. Merlino, CNMT, MBA, C.P.C.,**
Merlino Healthcare Consulting Corp.

Colin G. Miller, PhD, F.I.C.R.
BioImaging Technologies, Inc.

George Mills, MD
Food and Drug Administration

Mercer Mohr, Executive Chef
Vail Marriott Mountainside Resort and Spa

Susan Nedza, MD, MBA, FACEP
The Centers for Medicare and Medicaid Services

Adrian D. Nunn, PhD**
Bracco Research USA, Inc.

Harold A. O’Brien, PhD*
O’Brien & Associates

James Patton, PhD
Vanderbilt School of Medicine

Markus Schwaiger, MD
University of Michigan

Carl Seidel, MS**
CWS & Associates

Belinda Seto, PhD
National Institutes of Health

Paul D. Shreve, MD
Advanced Radiology Services

Shuli Shwartz, PhD
U.C.G. Technologies, LTD.

James E. Smith, PhD*
JES Consulting

Daniel Sullivan, MD
National Cancer Institute

Johannes Tauscher, MD
Eli Lilly & Co.

Andrew Taylor, MD
Emory University School of Medicine and VAMC

Thomas Verdon, MD**
Conifer, CO

Kim A. Williams, MD
American Society of Nuclear Cardiology

Gregory Wiseman, MD**
Mayo Clinic

Jack Ziffer, MD, PhD
Baptist Medical Center of Miami

* Organizing Committee     * Program Committee
Marriott hotel reservations can be made either via the internet or telephone. For the internet reservation, visit www.marriott.com/WHRCO. This will open the Marriott Mountain Resort and Spa’s home page. Enter the group code, hcnhcna (in the group code box on the right side of the page) to book a standard hotel room. To book an upgraded room, change the letter code to one of the following: hcnhcnd – studio king; hcnhcne – jr timberline suite; hcnhcng – 1 bedroom condo. Enter your arrival and departure dates and click FIND. The deposit can be charged to your credit card using a secure link. The hotel’s reservation center number is 1-800-648-0720. Request the appropriate Group Code and state that the reservation is for the “High Country Nuclear 2007” meeting.

Remember that February and March are high season in Vail and rooms are difficult to find. So make your reservations early.

As a special concession to our conference, only the first night room rate and tax will be charged when the reservation is made. The remainder of room rate and tax for the entire stay will be charged in full 30 days prior to the start of the meeting. So there is no advantage in delaying making your reservation once you have decided to attend.

Reservations must be received no later than Thursday, February 1, 2007.

In the event of a verified serious illness or death in the immediate family, all deposits will be refunded.

Conference Fees
A $750 registration fee is required by January 19, 2007. After that date, an additional $100 will be charged. Daily registration fee is $340 and a single session fee is $175. Cancellations allowed if received on or before January 19, 2007, with an administrative fee of $75. Registrations that cannot be accommodated due to space restrictions will be returned without penalty.

Registration includes a reception from 6:00 pm to 8:30 pm Friday to which spouses, friends and children are invited without additional charge. A buffet dinner for registrants follows the Monday afternoon session, and guests are welcome to attend, for an additional fee. Also, guests are invited to attend the Invitational Lecture (check with the Registration Desk for the start time).

Food and beverages at all scientific sessions are included in the registration fee for conference registrants only (no family or friends).

Complete the section on “Attendance” on the registration form, as this information will be used in ordering the quantity of food and beverage for each session.

Information on recreation opportunities in Vail, including skiing, will be available on the conference website (www.snm.org/hcnmc).

Accommodations
This year’s conference will be held at the Vail Marriott Mountain Resort & Spa, which is located at 715 West Lionshead Circle, Vail, Colorado 81657. The free Vail bus stops at the front door.
### Rates:

<table>
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<tr>
<th>Type</th>
<th>Price</th>
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<tr>
<td>Lodge Room</td>
<td>$290</td>
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<tr>
<td>Deluxe/Studio King</td>
<td>$340</td>
</tr>
<tr>
<td>One Bedroom Jr. Timberline Condo</td>
<td>$489</td>
</tr>
<tr>
<td>Two Bedroom Timberline Condo</td>
<td>$789</td>
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*All above rates subject to applicable state and local taxes (currently 11.8%) in effect at the time of check in.*

Please Note: If a cancellation occurs within 30 days of arrival, the full amount of anticipated room revenue that was billed to the credit card or sent by check will be forfeited.

### Transportation

The Vail Valley Tourism & Convention Bureau is offering discounts on combined air/ground transportation packages. Their web site is [www.visitvailvalley.com](http://www.visitvailvalley.com). Follow directions to reach Transportation. Call 800-525-3875 to request a price quote. Note that you must request both air and ground together to receive the discount.

**Vail/Eagle Airport** is closest (about 30 miles west of Vail), and limited non-stop flights are available from select cities. Alternatively, **Denver International Airport** is about 115 miles east of Vail. **Ground transportation** is readily available at the airports.

Within Vail, a free bus system operates on a frequent basis between 6:00 am and 2:00 am. Other buses make frequent daily runs between Vail Village, Avon, and Beaver Creek for a nominal fee. Rental cars are generally not needed.

Visit [www.snm.org/hcnmc](http://www.snm.org/hcnmc) for information about Vail, Colorado and the Vail Marriott Mountain Resort.
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March 2–7, 2007

Name:__________________________________________  Degree:______________
Institution:______________________________________________________________
Address:________________________________________________________________
City:_________________________________  State:___________  ZIP:_____________
Telephone:_________________________  Fax:_________________________________
E-mail:__________________________________________________________________

ATTENDANCE: (Conference Registrants: please check all sessions/functions you will attend)
☐ Friday evening Reception  ☐ Monday afternoon
☐ Saturday morning  ☐ Monday Buffet
☐ Saturday afternoon  ☐ Tuesday morning
☐ Sunday morning  ☐ Tuesday afternoon
☐ Sunday afternoon  ☐ Wednesday morning
☐ Monday morning

GUESTS ATTENDING: (Other than registrant)
Reception: Adults________  Children________
Monday Buffet: Adults________  Children________

CONFERENCE FEES:
I have enclosed a check for the following amount:
☐ $750 On/before January 19, 2007  ☐ $340 Daily Registration Fee
☐ $850 After January 19, 2007  ☐ $175 Single Session Fee

Make Checks Payable To: SNM High Country (US currency only)

☐ VISA  ☐ Mastercard  ☐ AMEX
Credit card number: ___________________________ Expiration date: _____/_____
Name on card: ______________________________ Signature: ___________________

MAIL OR FAX REGISTRATION FORM AND PAYMENT TO:
Meetings Department
SNM
1850 Samuel Morse Dr.
Reston, VA 20190
Fax: 703.709.9274
meetingsinfo@snm.org

Cancellation allowed if received on or before January 19, 2007. Cancellation fee: $75
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Resort, VA 20190-3316
1830 Samuel Morse Drive

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