



RADIOCHEMISTRY
SCIENCE · EDUCATION · TRAINING SOCIETY

**Specialized Courses
for
Nuclear Medicine Professionals**



Course Offerings:

- New Therapeutic Advances in Nuclear Medicine
- Terrorism Using Radioactive Materials: What Medical Professionals Should Know



secure registration available on-line »»

for full details visit:

www.Radiochemistry.org

New Therapeutic Advances in Nuclear Medicine

A Two-Day Course Designed for Nuclear Medicine Professionals
April 20 - 21, 2006 in Seattle, Washington

»» **About This Course**

Development of new radioisotopes for medicine is progressing at a rapid pace, with emphasis on new tracers that can provide information about diseases at the molecular level, such as receptor imaging agents. In addition, radiolabeled tracers for therapeutic purposes will continue to progress, including monoclonal antibodies labeled with beta and alpha emitters. Overall, nuclear medicine will continue to evolve in many new directions.



»» **Who Should Attend**

Physicians, technologists, scientists and pharmacists, physicians, technologists, physicists, chemists and radiopharmacists and medical personnel that wish to deepen and enhance their knowledge base in nuclear medicine.

»» **Key Topics You'll Learn About**

- Key strategies for fighting cancer
- New tools for nuclear medicine
- Advanced concepts for healthcare personnel
- Advanced Review of Radiometric Methods for Application to Nuclear Medicine

»» **Program Agenda**

(Day 1)

- New Directions for Nuclear Medicine
- Table-top lasers - the new path for radioisotope production
- Use of alpha emitters in nuclear medicine
- Use of beta emitters in nuclear medicine
- Cancer Therapy with Radiolabeled Monoclonal Antibodies

(Day 2)

- Recent Advances in Melanoma Staging and Therapy
- Recent advances in antigen-targeted therapy in non-Hodgkin's lymphoma
- Peptide Receptor Radiotherapy
- Cancer - the search for cures
- The future of Nuclear Medicine - Professional Growth & Development

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Terrorism Using Radioactive Materials: What Medical Professionals Should Know **A Two-Day Course Designed to Prepare Health Care Facilities and Health Care Workers for the** **Management of Radiation Incidents and Accidents**

April 18 - 19, 2006 in Seattle, Washington

»» **Who Should Attend**

All emergency room personnel including doctors, nurses, hospital technicians and support staff. This would also include all personnel that would have direct and immediate contact with incoming patients and first responders.

»» **Key Topics You'll Learn About**

You'll learn the ABC's of establishing a radiation incident plan and how to setup and manage a Radiation Emergency Incident at a health care facility. You'll also learn about the general guidelines for planning a response for various accident scenarios such as industrial and medical radiation incidents, transportation accidents, releases from fixed nuclear facilities and malicious / terrorist activities. Additionally, this course will provide you with facility preparation and planning and provide you with planning for control of radioactive contamination at all health care facilities.



»» **How You'll Benefit from this Course**

- Obtain hands-on experience seasoned experts in the deployment of a radiation incident team.
- Gain a broad understanding of the sources of radiation both man-made and natural and the health effects of radiation doses to workers.
- Psychological aspects of radiation accidents and how best to manage this important aspect of any radiation emergency.
- How to manage large numbers of radiation cases.
- The appropriate staffing for a Radiological Emergency Response Team.

»» **Program Agenda** *(this is a 2 Day Course)*

- Sources of Radiation
- Classification of Radioactive Materials
- Types of Radiation
- Health Effects from Radiation Exposure & Guidelines for Facility Preparation
- Planning for Contamination Control
- Staffing of Radiological Emergency Response Teams
- Radiation Incident Impact on Normal Hospital Operations & Pre-Staging Planning
- Managing Large Numbers of Radiation Cases
- Psychological Aspects of Radiation Accidents
- Emergency Room Recovery Plan
- Dirty Bombs & Radiological Dispersive Devices
- Floor Covering & Control / Ventilation Control
- Industrial / Medical Radiation Incidents
- Transportation Accidents / Malicious / Terrorist Incidents