

PUBLICATIONS AND PRESENTATIONS 2005 (9/05/2009)

Nuclear Medicine Program Staff
Isotope Development Group
Nuclear Science and Technology Division
Oak Ridge National Laboratory (ORNL)

Peer-Reviewed Journal Articles

Boll, R. A., Malkemus, D. and Mirzadeh, S. "Production of Actinium-225 for Alpha Particle-Mediated Radioimmunotherapy," *Appl. Radiat. Isot.*, 62, 667-679 (2005).

Kennel, S. J., Lankford, P., Garland, M., Sundberg, J. P. and Mirzadeh, S. "Biodistribution of Ra-225 Citrate in Mice: Retention of Daughter Radioisotopes in Bone," *Nucl. Med. Biol.*, 32, 859-867 (2005).

Knapp, F. F., Jr., Mirzadeh, S., Beets, A. L. and Du, M. "Production of Therapeutic Radioisotopes in the ORNL High Flux Isotope Reactor (HFIR) for Applications in Nuclear Medicine, Oncology and Interventional Cardiology," *J. Radioanalyt. Nucl. Chem.*, 263 (2), 503-509 (2005).

Meeting Presentations, Invited Talks and Published Abstracts

Alonso, O., Chae, I.-H., Chung, J. K., Gutierrez, C., Kropp, J., Onsel, C., Peix, A., Plonska, E., Szilvasi, I., Knapp, F. F., Padhy, A. K., Storto, G. and Dondi, M. "Intravascular Radiation Therapy with liquid-Filled Rhenium-188 Balloon Catheter: results of an International Atomic Energy Agency (IAEA) Multicentre Study," *World J. Nucl. Med.*, 4, Suppl. 1, S-59 (2005).

Bernal, P., Chau, T., Erdenechimeg, S., Kumar, A., Srivastava, D., Papuan, P., Ang, S., Barrenechea, E. A., Jeong, J. M., Onkhuudai, P., Knapp, F. F., Sundram, F. X., Divgi, C., Buscombe, J., Dondi, M. and Padhy, A. K. "Rhenium-188 Lipiodol Therapy for Hepatocellular Carcinoma," *World J. Nucl. Med.*, 4, Suppl. 1, S-19 (2005).

Knapp, F. F., Jr. "The Continuing Important Role of High Flux Reactors for Production of Therapeutic Medical Radioisotopes," *Invited Lecture, International Symposium on Trends in Radiopharmaceuticals*, IAEA, Vienna, Austria, and November 14-18, 2005.

Knapp, F. F., Jr. "Therapeutic Applications of Rhenium-188 in Nuclear Medicine and Oncology – Current Status and Future Perspectives," *Invited Lecture, For, International Conference on Radiopharmaceutical Therapy, World Radiopharmaceutical Therapy Council, WFNMB*, Limassol, Cyprus, October 11-14, 2005; *World J. Nucl. Med.*, 4, Suppl. 1, S-59 (2005).

Knapp, F. F., Jr., Mirzadeh, S., Stabin, M. and Brill, A. B. "Therapy with High LET Radioisotopes – Can Sufficient Levels of Attractive Auger and Alpha Emitters be Produced to Make Their Use Practical ?," *Invited Lecture, For, International Conference on Radiopharmaceutical Therapy, World Radiopharmaceutical Therapy Council, WFNMB*, Limassol, Cyprus, October 11-14, 2005; *World J. Nucl. Med.*, 4, Suppl. 1, S-60 (2005).

Knapp, F. F., Jr. "Therapeutic Applications of Rhenium-188 in Nuclear Medicine and Oncology –

Current Status and Future Perspectives," *Symposium on Radioisotope Therapy*, Havana, Cuba, June 24-28, 2005 (*Unable to attend*).

Knapp, F. F., Jr., Mirzadeh, S., Beets, A. L., Du., M., Klein, J. A. and Garland, M. "Direct Production of Lutetium-177 from Enriched Lu-176 in a High Flux Reactor – The Only Practical Route to Provide High Specific Activity/Multi-Curie Levels of Lu-177 Required fro Routine Clinical Use," *5th International Conference on Isotopes (5ICI)*, Brussels, Belgium, April 24-29, 2005.