

PUBLICATIONS AND PRESENTATIONS 2008 (9/05/2009)

Nuclear Medicine Program Staff
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Peer-Reviewed Journal Articles

Jeong, J. M. and Knapp, F. F., Jr. "Use of the Oak Ridge National Laboratory Tungsten-188/Rhenium-188 Generator for Preparation of the Rhenium-188 HDD/Lipiodol Complex for Trans-Arterial Liver Cancer Therapy," *Semin. Nucl. Med.*, **38**(2), S19-29 (2008).

Kennel, S. J., Woodward, J. D., Rondindone, A. J. Walls, J., Huang, Y. and Mirzadeh, M. "The Fate of MAb-Targeted Cd(^{125m}Te/ZnS) Nanoparticles *In Vivo*," *Nucl. Med. Biol.*, **35**, 501-514 (2008).

Book Chapters and Meeting Proceedings and Special Publications Describing ORNL Technology

Bestaoui-Spurr, N., Cisar, A., Adams, T., Cosgrove, J. M. and Knapp, F. F., Jr. "Crystalline Inorganic Ion Exchanger for Rhenium-188 Generator," *Proceedings, Annual Meeting, American Nuclear Society*, Anaheim, CA, June 8-12, 2008; p. 865 (2008).

Boll, R., Garland M. and Mirzadeh, S. "Production of Thorium-229 in the ORNL High Flux Isotope Reactor," *Proceedings, Annual Meeting, American Nuclear Society*, Anaheim, CA, June 8-12, 2008; p. 814 (2008).

Knapp, F. F., Jr. "Comparative Evaluation of Therapeutic Radiopharmaceuticals, *IAEA Technical Report Series No. 458* (ISBN 92-0-115106-3)," Book Review, *Appl. Radiat. Isot.*, **66**, 2013 (2008).

Knapp, F. F., Jr. "The Important Role of Research Reactors for Production of Therapeutic Radioisotopes," *6th International Conference on Isotopes*, Seoul, Korea, May 13-16, 2008; Abstract # PL 1-1, p. 16.

Mirzadeh, S., Garland, M. and Kennel, S. J. "Retention of Radium-225 and Its Daughter Radioisotopes in Bone," *Proceedings, Annual Meeting, American Nuclear Society*, Anaheim, CA, June 8-12, 2008; p. 815 (2008).

Ponsard, B., Garland, M. A., Knapp, F. F. (Russ) Jr., S. Mirzadeh, S., Srivastava, S. C. and Mausner, L. F.. "Production of Sn-117m in the BR2 and HFIR High-Flux Reactors," *Proceedings, Annual Meeting, American Nuclear Society*, Anaheim, CA, June 8-12, 2008; p. 903 (2008).

Ponsard, B., Srivastava, S. C., Mausner, L. F., Knapp, F. F., Garland, M. A. and Mirzadeh, "Production of Sn-117m in the BR2 High-Flux Reactor," *6th International Conference on Isotopes*, Seoul, Korea, May 13-16, 2008; – Abstract # ST1-2-2, p. 95.

Patents for Nuclear Medicine Program

F. F. Knapp, Jr., S. Mirzadeh and R. Boll, "Chromatographic Extraction with Di(2-ethylhexyl)orthophosphoric Acid for Production and Purification of Promethium-147," U.S. Patent No. 7,435,399, Issued October 14, 2008.

Meeting Presentations, Invited Talks and Published Abstracts

Bestaoui-Spurr, N., Cisar, A., Adams, T., Cosgrove, J. M. and Knapp, F. F., Jr. "Crystalline Inorganic Ion Exchanger for Rhenium-188 Generator," *Annual Meeting, American Nuclear Society*, Anaheim, CA, June 8-12, 2008.

Boll, R., Garland M. and Mirzadeh, S. "Production of Thorium-229 in the ORNL High Flux Isotope Reactor," *Annual Meeting, American Nuclear Society*, Anaheim, CA, June 8-12, 2008.

Knapp, F. F., Jr. "Availability of Therapeutic Radioisotopes for Nuclear medicine and Oncology – The Important Role of Research Reactors," *Invited Lecture, 7th International Conference on Nuclear and Radiochemistry*, Budapest, Hungary, August 24-29, 2008.

Knapp, F. F., Jr. "The Important Role of Research Reactors for Production of Therapeutic Radioisotopes," *Invited Lecture, For, International Symposium on Radiopharmaceutical Therapy, (ISRT-08)*, Goa, India, August 28-30, 2008 (unable to attend).

Knapp, F. F., Jr. "The Important Role of Research Reactors for Production of Therapeutic Radioisotopes," *Invited Plenary Lecture, 6th International Conference on Isotopes (6ICI)*, Seoul, Korea, and May 12-16, 2008.

Mirzadeh, S. M. *Invited Lecture, for, Workshop on Supply Molybdenum-99 for Next Generation*, TRIUMF, Vancouver, BC, Canada, October 19-20, 2008.

Mirzadeh, S. "Retention of Radium-225 and Its Daughter Radioisotopes in Bone," *Invited, Annual Meeting, American Nuclear Society*, Anaheim, CA, June 8-12, 2008.

Ponsard, B., Garland, M. A., Knapp, F. F. (Russ) Jr., S. Mirzadeh, S., Srivastava, S. C. and Mausner, L. F.. "Production of Sn-117m in the BR2 and HFIR High-Flux Reactors," *Annual Meeting, American Nuclear Society*, Anaheim, CA, June 8-12, 2008.

Ponsard, B., Srivastava, S. C., Mausner, L. F., Knapp, F. F., Jr., Garland, M. A. and Mirzadeh, S. "Production of ^{117m}Sn in the BR2 High Flux Reactor," *6th International Conference on Isotopes (6ICI)*, Seoul, Korea, May 12-16, 2008.