PUBLICATIONS AND PRESENTATIONS 2009 (12/31/2009)

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

Peer-Reviewed Journal Articles

Ponsard, B., Srivastava, S. C., Mausner, L. F., Knapp, F. F., Garland, M. A. and Mirzadeh, S. "Production of Sn-117*m* in the BR2 High-Flux Reactor," *Appl. Rad. Isot.*, 67, 1158-1161 (2009).

Knapp, F. F. and Osso, J. "Therapeutic Radioisotopes for Applications in Nuclear Medicine, Oncology and Interventional Medicine – Current and Expected Availability," *Invited Review*, *ALASBAMIN Journal*, *in press*.

Book Chapters and Meeting Proceedings and Special Publications Describing ORNL Technology

Knapp, F. F., Jr., Kropp, J. and Liepe, K. "The Tungsten-188/Rhenium-188 Generator," Chapter 3, *In, Therapeutic Nuclear Medicine, Radiation Oncology/Medical Radiology Series*, Springer-Verlag; R. P. Baum, Editor, *in preparation*.

Knapp, F. F., Jr., Mirzadeh, S., Garland, M. and Kuznetsov, R. "Reactor Production and Processing of Tungsten-188," Chapter 5, *In, Parent Radionuclides for Generators: ^{68}Ge, ^{82}Sr, ^{90}Sr and ^{188}W*; Radioisotopes and Radiopharmaceutical TECDOC Series, *International Atomic Energy Agency (IAEA)*, Vienna, Austria, *in press* (2009).

Monroy-Guzman, F., Badillo Almaraz, V. E., Rivero Guiterrez, T., Galico Cohen, L., J. A., Cosgrove, J. M., Knapp, F. F., Jr., Rojas Nava, P. and Rosales, C. J. "Development of Inorganic Adsorbents as Matrices of Generators for Therapeutic Radionuclides," *Therapeutic Radionuclide Generators: ^{90}Sr/^{90}Y and ^{188}W/^{188}Re Generators*; pp. 161-172, *Technical Report Series No. 470*, *International Atomic Energy Agency (IAEA)*, Vienna, Austria (STI/DOC/010/470) (2009).

Osso, J. and Knapp, F. F., Jr., Invited Chapter, on "Radionuclide Generators," *In, Sampson's Textbook on Radiopharmacy*, 4th Edition, *in press* (2009).

Roesch, F. and Knapp, F. F., Jr. "Radionuclide Generators," *Invited Chapter, In*, 4th Edition, Handbook of Nuclear Chemistry, A. Vertes, N. S. Klencsar, Editors; Kluwer Academic Publishers, Amsterdam, *in press* (2009).

Meeting Presentations, Invited Talks and Published Abstracts

Knapp, F. F. "Production of Lutetium-177 – A Unique Opportunity to Provide an Important Therapeutic Radioisotope for Widespread Use," *IAEA Conference on Therapeutic Radiopharmaceuticals*, Vienna, Austria, November 16-20 (2009).

Knapp, F. F., Jr. "Reactor Production of High Specific Activity Lutetium-177 – Is Indirect Production Necessary and can the Costs be Justified for High, Multi Curie Levels ?," *Invited Lecture, IAEA RMC Meeting on "Development of Therapeutic Radiopharmaceuticals Based on* ^{177}*Lu for Radionuclide Therapy*," Prague, Czech Republic, November 23-26, 2009.

Mirzadeh, S., Woodward, J., Standaert, R. F., Dai, S., Rondindone, A. J. and Kennel, S. "Inorganic Nanoparticle Monoclonal Antibody Conjugates," *3rd International Symposium on Radionuclide Therapy and Radiopharmaceutical Dosimetry (ISRTRD)*, held in conjunction with the Annual Meeting, Society of Nuclear Medicine, Toronto, Canada, June 13-17, 2009; *J. Nucl. Med*., 50 (S2), 26P (Abtsract # 100) (2009).

Mirzadeh, S. M. "Supply of Alpha Radioisotopes from ORNL," *Invited Lecture, for*, *3rd International Symposium on Radionuclide Therapy and Radiopharmaceutical Dosimetry (ISRTRD)*, held in conjunction with the Annual Meeting, Society of Nuclear Medicine, Toronto, Canada, June 13-17, 2009.

Mirzadeh, S., Woodward, J., Standaert, R. F., Rondindone, A. J. and Kennel, S. J. "Inorganic Nanoparticle Monoclonal Antibody Conjugates," *18th International Symposium on Radiopharmaceutical Sciences*, Edmonton, Canada, July 12-17, 2007; *J. Label. Cmpds, Radiopharm*., 52 (S1), S98 (2009).

Ponsard, B., Garland, M. A., Knapp, F. F. (Russ) Jr., S. Mirzadeh, S., Srivastava, S. C. and Mausner, L. F.. "Production of Sn-117*m* in the BR2 and HFIR Research Reactors," *18th International Symposium on Radiopharmaceutical Sciences*, Edmonton, Canada, July 12-17, 2007; *J. Label. Cmpds, Radiopharm*., 52 (S1), S240 (# P140) (2009).

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