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Education

M.S. Health Physics, Idaho State University (Pocatello, ID) 2007
B.S. Mathematics & Physics, College of Idaho (Caldwell, ID) 2003

Employment History

03/2007 – present *Associate in Research/Project Associate*, United States Transuranium and Uranium Registries, Richland, WA.
08/2006 – 12/2006 *Research Assistant*, Idaho State University, USTUR, Pocatello, ID.
01/2005 – 7/2006 *Research Assistant*, Idaho State University, Environmental Assessment Laboratory, Pocatello, ID.
09/2004 – 12/2004 *Teaching Assistant*, Idaho State University, Pocatello, ID.
08/2003 – 08/2004 *Technical Records Specialist*, ProPeople Staffing, Idaho Dept. of Health and Welfare, Boise, ID.

Professional Activities

2005 - present Health Physics Society (USA)
2011 - present European Radiation Dosimetry Society (EURADOS) Working Group on Internal Dosimetry (EU)

Publications

M. Avtandilashvili, M. Puncher, **S.L. McComish**, S.Y. Tolmachev. US Transuranium and Uranium Registries Case Study on Accidental Exposure to Uranium Hexafluoride. *J. Radiol. Prot.* 2015, 35(1): 129-151.
C.E. Nielsen, X. Wang, R. Robinson, A.L. Brooks, J. Lovaglio, K. Patton, **S.L. McComish**, S.Y. Tolmachev, W.F. Morgan. Carcinogenic and inflammatory effects of plutonium-nitrate retention in an exposed nuclear worker and beagle dogs. *Int. J. Radiat. Biol.* 2014, 90(1): 60-70.
H. Gibb H., K. Fulcher, S. Nagarajan, **S. McCord**, H. Hoffman, N.A. Fallhian, S. Tolmachev. A PMR and PCMR analysis of radiation and mesothelioma in the United States Transuranium and Uranium Registries. *Am. J. Public Health.* 2013, 103(4): 710-716.
C.E. Nielsen, D. A. Wilson, A.L. Brooks, **S.L. McCord**, G.E. Dagle, A.C. James, S.Y. Tolmachev, B.D. Thrall, W.F. Morgan. Microdistribution and long-term retention of $^{239}\text{Pu}(\text{NO}_3)_4$ in the respiratory tracts of an acutely exposed plutonium worker and experimental beagle dogs. *Cancer Research.* 2012, 72(21): 5529-5536.
C. Li, N. Elliot, S. Tolmachev, **S. McCord**, T. Shultz, Y. Shi, G. Kramer. Measurement of uranium isotopes in human tissue samples by TIMS. *J. Anal. At. Spectrom.* 2011, 26 (2524-2527).

Presentations

- S.Y. Tolmachev* and **S.L. McComish**. "The National Human Radiobiology Tissue Repository." International Workshop on Sample/Tissue Archiving of Radiobiology (STAR2015). Kyoto, Japan. May 24-25, 2015
- S.Y. Tolmachev* and **S.L. McComish**. "The National Human Radiobiology Tissue Repository: Human Tissue Collection at the US Transuranium and Uranium Registries." 15th International Congress of Radiation Research (ICRR). Kyoto, Japan. May 25-29, 2015. [Poster]
- M. Avtandilashvili*, M. Puncher, **S.L. McComish**, and S.Y. Tolmachev. "Modeling uranium hexafluoride inhalation." 60th Annual Meeting of the Health Physics Society. Indianapolis, IN. July 12–16, 2015. Health Phys. 109 (Suppl 1): S58.
- J. Zhou*, **S. McComish**, S. Tolmachev. "A Novel Approach to Evaluate Excess of Mesothelioma Deaths in a Small Population of Former Nuclear Workers." American Public Health Association Annual Meeting. Chicago, IL. October 31 - November 4, 2015
- M. Avtandilashvili*, **S.L. McComish**, S.Y. Tolmachev. USTUR Whole-Body Case 0212: Testing NCRP Wound Model. 59th Annual Meeting of the Health Physics Society. Baltimore, MD. July 13-17, 2014.
- M. Avtandilashvili*, **S.L. McComish**, S.Y. Tolmachev. USTUR case study on accidental exposure to uranium hexafluoride. 11th International Conference on Health Effects of Incorporated Radionuclides (HEIR 2013). Berkeley, CA. October 13-17, 2013.
- M. Avtandilashvili*, **S.L. McComish**, S.Y. Tolmachev. Uncertainty analysis on lung doses for US nuclear workers. 11th International Conference on Health Effects of Incorporated Radionuclides (HEIR 2013). Berkeley, CA. October 13-17, 2013. [Poster]
- K. Rothkamm, M. Antonia Lopez, J. Barquinero, C. Challeton-de Vathaire, G. Etherington, O. Gil, A. Giussani, E. Gregoire, İ. Güçlü, A. Jaworska, C. Lindholm, I. Malatova, **S.L. McComish**, J. Marsh, N. Maznyk, J. Moquet, D. Nosske, J. Oško, A. Rojo, H. Romm, A. Testa, S.Y. Tolmachev, A. Wieser, M. Youngman, P. Fattibene. Comparison of physical and biological dosimetry for internal emitters. MELODI Workshop. Brussels, Belgium. October 10 2013.
- S.L. McComish***, S.Y. Tolmachev. Biodosimetry of plutonium workers. European Radiation Dosimetry Group (EURADOS) Working Group 7 on Internal Dosimetry Plenary Meeting. Bologna, Italy. October 1-3, 2013.
- H. Gibb, K. Fulcher*, S. Nagarajan, **S. McCord**, H. Hoffman, N.A. Fallhian, S. Tolmachev. A PMR and PCMR analysis of radiation and mesothelioma in the United States Transuranium and Uranium Registries. American Public Health Association (APHA) 140th Annual Meeting. San Francisco, CA. October 27 - 31, 2012. [Poster]
- S.L. McCord**, C.E. Nielsen*, M. Avtandilashvili, M. Parker, F.L. Miller, E.M. Thomas, D.J. McLain, W.F. Morgan, S.Y. Tolmachev. The U.S. Transuranium and Uranium Registries: A unique human data resource. Radiation Research Society Meeting. San Juan, Puerto Rico. September 30-October 3, 2012. [Poster]
- C.E. Nielsen*, D.A. Wilson, **S.L. McCord**, A.L. Brooks, G.E. Dagle, A.C. James, S.Y. Tolmachev, W.F. Morgan. An analysis of the microdistribution and long-term retention of ²³⁹Pu(NO₃)₄ in the respiratory tracts of an exposed plutonium worker and experimental beagles. Radiation Research Society Meeting. San Juan, Puerto Rico. September 30-October 3, 2012. [Poster]

- S.L. McComish***, M. Avtandilashvili, S.Y. Tolmachev. The United States Transuranium and Uranium Registries (USTUR). College of Pharmacy Research Day. Spokane, WA. August 14, 2012. [Poster]
- B. Breustedt, **S. McCord**, S. Tolmachev*. Biokinetic modeling of chelation therapy for ^{241}Am – USTUR Case 0846. 57th Annual Meeting of the Health Physics Society. Sacramento, CA. July 22-26, 2012.
- S.L. McCord***, A.C. James, S.Y. Tolmachev. Distribution of terminal lung and liver dose rates in United States Transuranium and Uranium Registries registrants. Plenary Meeting of the European Radiation Dosimetry Group (EURADOS) Working Group 7 on Internal Dosimetry. September 15, 2011. Ghent, Belgium.
- S. McCord***, A.C. James, S.Y. Tolmachev. Distribution of terminal lung and liver dose rates in United States Transuranium and Uranium Registries registrants. 56th Annual Meeting of the Health Physics Society (HPS). West Palm Beach, FL. June 26-30, 2011.
- S.L. McCord***, C. Nielsen, X Wang. Microdistribution and long-term retention of $^{239}\text{Pu}(\text{NO}_3)_4$ in the respiratory tract: A progress report. 2011 Annual Meeting of the European Radiation Dosimetry Group (EURADOS). Prague, Czech Republic. February 7-9, 2011.
- S.L. McCord***. The Management Information System (THEMIS) inventory database. 56th Annual Radiobioassay & Radiochemical Measurement Conference (RRMC). Richland, WA. October 25-28, 2010. [Poster]
- S.L. McCord***, A.C. James. Upgrading the United States Transuranium and Uranium Registries' pathology database. 54th Annual Meeting of the Health Physics Society. Minneapolis, MN. July 12-16, 2009.
- S.L. McCord***, A.C. James. Upgrading the United States Transuranium and Uranium Registries' health physics database. 53rd Annual Meeting of the Health Physics Society. Pittsburgh, PA. July 13-17, 2008.
- S.L. McCord***, R.R. Brey, P. Ruhter, B. Anderson. Justification for using ^{137}Cs whole body counts as a flag for undertaking in vitro analysis of $^{90}\text{Sr}/^{90}\text{Y}$. John Horan Symposium. Salt Lake City, UT.
- S.L. McCord***, R.R. Brey, P. Ruhter, B. Anderson. Justification for using ^{137}Cs whole body counts as a flag for undertaking in vitro analysis of $^{90}\text{Sr}/^{90}\text{Y}$. 51st Annual Meeting of the Health Physics Society. Providence, RI.
- S.L. McCord***, R.R. Brey, P. Ruhter, B. Anderson. Technical justification for the use of ^{137}Cs whole body counts to screen for ^{90}Sr uptakes. 50th Annual Meeting of the Health Physics Society. Spokane, WA.

*Presenter