

CURRICULUM VITAE
Stacey L. McComish

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Education

M.S. Health Physics, Idaho State University (Pocatello, Idaho) 2007

B.S. Physics & Mathematics, College of Idaho (Caldwell, Idaho) 2003

Employment History

- 10/2010 – present *Associate in Research*, United States Transuranium and Uranium Registries, Richland, WA.
- 03/2007 – 09/2010 *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.

Professional Activities

- 2011 - present European Radiation Dosimetry Society (EURADOS) Working Group on Internal Dosimetry (EU)
- 2005 - present Health Physics Society (USA)
- 2018 - 2019 Columbia Chapter of the Health Physics Society (CCHPS)

Peer-reviewed Publications

16. M. Šefl, J.Y. Zhou, M. Avtandilashvili, S.L. McComish, S.Y. Tolmachev. Plutonium in Manhattan Project workers: Using autopsy data to evaluate organ content and dose estimates based on urine bioassay with implications for radiation epidemiology. *PLOS One*. 2021, 16(10): e0259057.
15. A. Guissani, M.A. Lopez, H. Romm, A. Testa, E.A. Ainsbury, M. Degteva, S. Della Monica, G. Etherington, P. Fattibene, I. Guclu, A. Jaworska, D.C. Lloyd, I. Malatova, S. McComish, D. Melo, J. Osko, A. Rojo, S. Roch-Lefevre, L. Roy, E. Shishkina, N. Sotnik, S. Y. Tolmachev, A. Wieser, C. Woda, M. Youngman. EURADOS review of retrospective dosimetry techniques for internal exposures to ionising radiation and their applications. *Radiat Environ Biophys*. 2020, 59(3): 357-387.

14. S.Y. Tolmachev, S.L. McComish, M. Avtandilashvili. USTUR: Expanding horizons for actinide biokinetics and dosimetry. BIO Web of Conferences. 2019, 14: 08003.
13. M. Avtandilashvili, S.L. McComish, S.Y. Tolmachev. The United States Transuranium and Uranium Registries: Fifty-year history of actinide biokinetics research. BIO Web of Conferences. 2019, 14: 05001.
12. S. Dumit, B. Breustedt, M. Avtandilashvili, S.L. McComish, D.J. Strom, G. Tabatadze, S.Y. Tolmachev. Response to the Letter to the Editor, 'Comments on "Improved Modeling of Plutonium-DTPA Decorporation,"' (Radiat Res 2019; 191: 201-10) by Gremy and Miccoli'. Radiat Res. 2019, 192(6): 682-683.
11. S. Dumit, M. Avtandilashvili, S.L. McComish, D.J. Strom, G. Tabatadze, S.Y. Tolmachev. Validation of a System of Models for Plutonium Decorporation Therapy. Radiat Environ Biophys. 2019, 58(2): 227-235.
10. J. Zhou, S.L. McComish, S.Y. Tolmachev. A Monte Carlo t-Test to Evaluate Mesothelioma and Radiation in the U.S. Transuranium and Uranium Registries. Health Phys. 2019, 117(2): 187-192.
9. S. Dumit, M. Avtandilashvili, D.J. Strom, S.L. McComish, G. Tabatadze, S.Y. Tolmachev. Improved Modeling of Plutonium-DTPA Decorporation. Radiat Res. 2019, 191(2): 201-210.
8. Breustedt, M. Avtandilashvili, S.L. McComish, S.Y. Tolmachev. USTUR Case 0846: Modeling Americium Biokinetics after Intensive Decorporation Therapy. Health Phys. 2019, 117(2), 167-178.
7. R.E. Goans, R.E. Toohey, C.J. Iddins, S.L. McComish, S.Y. Tolmachev, N. Dainiak. The Pseudo-Pelger Huët Cell as a Retrospective Dosimeter: Analysis of a Radium Dial Painter Cohort. Health Phys. 2019, 117(2), 143-148.
6. 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.
5. 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.
4. H. Gibb, K. Fulcher, S. Nagarajan, S. McCord, N.A. Fallahian, H.J. Hoffman, C. Haver, S. Tolmachev. Respond to "Incorrect analysis of radiation and mesothelioma". American Journal of Public Health. 2014, 104(2): e1-e2.
3. H. Gibb H., K. Fulcher, S. Nagarajan, S. McCord, H. Hoffman, N.A. Fallhian, S. Tolmachev. Analyses of Radiation and Mesothelioma in the US Transuranium and Uranium Registries. Am J Public Health. 2013, 103(4): 710-716.
2. 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.

1. 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).

Podium Presentations

28. X. Liu*, S. McComish, F. Martinez, J. Zhou, S. Tolmachev. Over- and Under-classification of Underlying Cause of Death on Death Certificates from a Small All-autopsied Population of Former Nuclear Workers. American Public Health Association Annual Meeting and Expo. Denver, CO. October 24-27. (Virtual)
27. M. Šefl*, J.Y. Zhou, M. Avtandilashvili, S.L. McComish, D.J. Strom, G. Tabatadze, S.Y. Tolmachev. Uncertainty Analysis on Organ Activities and Intakes from Occupational Exposure to Plutonium. 2021 Health Physics Society Midyear Workshop. Clemson, SC. May 23-26, 2021. (Virtual)
26. S.L. McComish*, J. Zhou, F.T. Martinez, S.Y. Tolmachev. Limitations of Cause of Death Data Among Autopsied Population in the United States Transuranium and Uranium Registries. 64th Annual Meeting of the Health Physics Society. Orlando, FL. July 11, 2019. *Health Phys*. 117(Suppl 1): S62.
25. D.J. Strom*, S. Dumit, M. Avtandilashvili, S.L. McComish, G. Tabatadze, S.Y. Tolmachev. Cylindrical Representations of Recycling Biokinetic Models. 64th Annual Meeting of the Health Physics Society. Orlando, FL. July 9, 2019. *Health Phys*. 117(Suppl 1): 82-83.
24. M. Avtandilashvili*, S.L. McComish, S.Y. Tolmachev. The United States Transuranium and Uranium Registries: Fifty-year History of Actinide Biokinetic Research. 12th International Conference on the Health Effects of Incorporated Radionuclides. Fontenay-aux-Roses, France. October 8-11, 2018.
23. S.Y. Tolmachev*, S.L. McComish, M. Avtandilashvili. USTUR: Expanding Horizons for Actinide Biokinetics and Dosimetry. 12th International Conference on the Health Effects of Incorporated Radionuclides. Fontenay-aux-Roses, France. October 8-11, 2018.
22. S. Dumit*, D.J. Strom, S.L. McComish, M. Avtandilashvili, G. Tabatadze, S.Y. Tolmachev. New Biokinetic Model Simultaneously Fits Ca-DTPA Affected and Non-Affected Urine Bioassay Data after Plutonium Contamination. 63rd Annual Meeting of the Health Physics Society. Cleveland, OH. July 15-19, 2018. *Health Phys*. 115(Suppl 1): S83.
21. M. Avtandilashvili*, S.L. McComish, G. Tabatadze, S.Y. Tolmachev. USTUR Research: Land of Opportunity. European Radiation Dosimetry Group (EURADOS), Annual Meeting. Karlsruhe, Germany. February 27 – March 2, 2017.
20. R. Goans*, C. Iddins, R. Toohey, S. McComish, S. Tolmachev, N. Dainiak. The pseudo pelger-hüet cell - from bats to humans and everything in between. 62nd Annual Meeting of the Health Physics Society. Raleigh, NC. July 9-13, 2017. *Health Phys*. 113

(Suppl 1): S81-S82.

19. B. Breustedt*, M. Avtandilashvili, S.L. McComish, and S.Y. Tolmachev. USTUR Case 0846: Modeling Americium Biokinetics after Intensive Decorporation Therapy. 61st Annual Meeting of the Health Physics Society, USTUR Special Session. Spokane, WA. July 17-21, 2016. *Health Phys.* 111 (Suppl 1): S58-59.
18. R.E. Toohey*, R.E. Goans, C.J. Iddins, N. Dainiak, S.L. McComish, and S.Y. Tolmachev. Red Marrow Dosimetry for Former Radium Workers. 61st Annual Meeting of the Health Physics Society, USTUR Special Session. Spokane, WA. July 17-21, 2016. *Health Phys.* 111 (Suppl 1): S56-57.
17. J.Y. Zhou*, S.L. McComish, S.Y. Tolmachev. Reanalysis of Radiation and Mesothelioma in the U.S. Transuranium and Uranium Registries. 61st Annual Meeting of the Health Physics Society, USTUR Special Session. Spokane, WA. July 17-21, 2016. *Health Phys.* 111 (Suppl 1): S42.
16. R.E. Goans*, R.E. Toohey, C.J. Iddins, N. Daniak, S.L. McComish and S.Y. Tolmachev. The Pseudo Pelger-Huet Cell as a Retrospective Dosimeter: Analysis of a Radium Dial Painter Cohort. 61st Annual Meeting of the Health Physics Society, USTUR Special Session. Spokane, WA. July 17-21, 2016. *Health Phys.* 111 (Suppl 1): S57.
15. 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.
14. 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.
13. 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.
12. 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. *Health Phys.* 107(Suppl 1): S108–S109.
11. 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.
10. 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.
9. 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.

8. 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. *Health Phys.* 103(Suppl 1): S80.
7. 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. Ghent, Belgium. September 15, 2011.
6. 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. *Health Phys.* 101(Suppl 1): S18.
5. 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.
4. 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. *Health Phys.* 97(Suppl. 1): S22.
3. 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. *Health Phys.* 95(Suppl 1): S77.
2. 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. April 2007.
1. 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. July 10-14, 2005. *Health Phys.*

*Presenter

Poster Presentations

12. S.L. McComish, G. Tabatadze, S.Y. Tolmachev*. 50 years of the United States Transuranium and Uranium Registries: 1968-2018. WSU College of Pharmacy and Pharmaceutical Sciences Graduate Interview Day. March 2019.
11. S. Dumit*, M. Avtandilashvili, D.J. Strom, S.L. McComish, G. Tabatadze, S.Y. Tolmachev. New Compartmental Model for Plutonium Decorporation Therapy. 64th Annual Meeting of the Radiation Research Society. Chicago, IL. September 23-25, 2018.
10. J. Zhou*, S.L. McComish, S.Y. Tolmachev. Update on Causes of Death among 351 Former Nuclear Workers in the United States Transuranium and Uranium Registries. 64th Annual Meeting of the Radiation Research Society. Chicago, IL.

September 23-25, 2018.

9. S. Dumit*, D.J. Strom, S.L. McComish, M. Avtandilashvili, G. Tabatadze, S.Y. Tolmachev. New Biokinetic Model Simultaneously Fits Ca-DTPA Affected and Non-Affected Urine Bioassay Data After Plutonium Contamination. Brazilian Students and Scholars Conference. Columbus, OH. June 23-24, 2018.
8. 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.
7. 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.
6. 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.
5. 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.
4. 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 $^{239}\text{Pu}(\text{NO}_3)_4$ 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.
3. 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.
2. S.L. McCord*. The Management Information System (THEMIS) inventory database. 56th Annual Radiobioassay & Radiochemical Measurement Conference (RRMC). Richland, WA. October 25-28, 2010.
1. 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. June 25-29, 2006.

*Presenter