

**Personal:**

Name: Alla Sikorskii

Office Address: 909 Fee Road, Room 321, Department of Psychiatry, Michigan State University, East Lansing, MI 48824

Office Telephone: (517) 432-1737

E-mail: [alla.sikorskii@hc.msu.edu](mailto:alla.sikorskii@hc.msu.edu)

**Education:**

**PhD in Statistics**, Michigan State University (MSU), East Lansing, Michigan, 2000 (PhD advisor: A.V. Skorokhod)

**MS in Mathematics**, Kiev University, Kiev, Ukraine, 1992. Graduated with Honors

**Professional Experience:**

2017-present Professor, Department of Psychiatry, MSU

2017-present Professor, Department of Statistics and Probability, MSU

2016-2017 Professor, Statistics – Graduate Interdisciplinary Program, University of Arizona

2016-2017 Professor, College of Nursing, University of Arizona

2016-present Member, University of Arizona Cancer Center

2015-2016 Associate Chair and Undergraduate Director, Department of Statistics and Probability, Michigan State University, East Lansing, Michigan

2012- 2016 Associate Professor, Department of Statistics and Probability, Michigan State University, East Lansing, Michigan, *tenured*

2008- 2012 Assistant Professor, Department of Statistics and Probability, Michigan State University, East Lansing, Michigan (*tenure-track*)

2005-2008 Assistant Professor, College of Nursing, Michigan State University, East Lansing, Michigan (*fixed term*)

2005-2006 Research Scientist, Walther Cancer Institute, Indianapolis, Indiana

2003-2005 Acting Group Leader, Clinical Trials and Epidemiology Group, Data Coordinating Center, Michigan State University, East Lansing, Michigan

2002-2003 Biostatistician, Data Coordinating Center, Michigan State University

2000-2005 Visiting Assistant Professor, Department of Statistics and Probability, Michigan State University, East Lansing, Michigan

1995-2000 Graduate Assistant, Department of Statistics and Probability, Michigan State University, East Lansing, Michigan

1992-1995 Graduate Assistant, Department of Mathematics, Kiev University, Kiev, Ukraine

**Honors:**

2005 Mary Margaret Walther Program Fellowship and Certificate of Achievement, Behavioral Cooperative Oncology Group

2010-2011 and 2014-present Member of NIH Special Emphasis Panel ZRG1 RPHB-C (10)

2012-present Member of NIH Special Emphasis Panel ZRG1 RPHB-C (11)

2012-present Editorial Board Member, Journal of Statistical Distributions and Applications (JSDA)

2013-2014 Guest Editor for Special Issue on Analysis of Fractional Dynamical Systems, Scientific World Journal

2014-present	Editorial Board Member, Progress in Fractional Differentiation and Applications (PFDA)
2013-present	Biostatistical reviewer, Journal of Clinical Oncology
2016	Member of NIH Special Emphasis Panel for RFA-NR-16-003
2016	Best Reviewer, Pharmacoepidemiology and Drug Safety
2017-present	Editorial Board Member, Journal of Clinical Oncology
2017-present	Associate Editor, Numeracy

### **Professional Organizations:**

Member of the American Statistical Association, the American Mathematical Society, the American Psychosocial Oncology Society.

### **Research**

#### **Peer Reviewer for:**

Journal of Clinical Oncology, Journal of Clinical Epidemiology, Journal of Pain and Symptom Management, Supportive Care in Cancer, Journal of the American Medical Informatics Association, Clinical Orthopaedics and Related Research, Oncology Nursing Forum, Cancer Nursing, Pharmacoepidemiology and Drug Safety, Numeracy, Research in Nursing and Health, Heart and Lung, Health and Quality of Life Outcomes, Journal of Hip Preservation Surgery, Journal of Advanced Nursing.

Stochastic Processes and Their Applications, Proceedings of the American Mathematical Society, Journal of Multivariate Analysis, Statistics and Probability Letters, Journal of Computational and Graphical Statistics, Electronic Communications in Probability, Probability and Mathematical Statistics, SIAM Journal on Numerical Analysis, Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences, Journal of Applied Mathematics and Stochastic Analysis, Bulletin of London Mathematical Society, Journal of Computational Physics, Nonlinear Dynamics, Communications in Applied and Industrial Mathematics, International Journal of Differential Equations, Communications in Nonlinear Science and Numerical Simulation, Journal of Vibration and Control, Mathematical Communications, Springer Briefs, Chaos, Solitons and Fractals.

### **Books:**

1. Meerschaert M. M., **Sikorskii A.** *Stochastic Models for Fractional Calculus*. De Gruyter, Studies in Mathematics 43, De Gruyter, Berlin, 2012, ISBN 978—3-11-025869-1.

### **Peer- Reviewed Publications:**

#### **Statistics, Probability and Mathematics Journals:**

1. Leonenko N, Papic I, **Sikorskii A**, Suvak N. Correlated continuous time random walks and fractional Pearson diffusions. Accepted by *Bernoulli*, 2017.
2. Anh V, Leonenko N, Sikorskii A. Stochastic representation of fractional Bessel-Riesz motion. Accepted by *Chaos, Solitons and Fractals*, 2017.
3. Leonenko N, Papic I, **Sikorskii A**, Suvac N. Heavy-tailed fractional Pearson diffusions. Accepted by *Stochastic Processes and Their Applications*, 2017, <http://dx.doi.org/10.1016/j.spa.2017.03.004>
4. Grahovac D, Leonenko N, **Sikorskii A**, Tesnjak I. Intermittency of superpositions of Ornstein-Uhlenbeck type processes. *Journal of Statistical Physics*, 2016, 165, 390-408.

5. Meerschaert MM, Schilling R, **Sikorskii A**. Stochastic solutions for fractional wave equations. *Nonlinear Dynamics*, DOI 10.1007/s11071-014-1299-z. Vol. 80, 2015, No. 4, pp. 1685–1695, Special issue on *Fractional Dynamics and Its Applications*.
6. Leonenko NN, Meerschaert MM, Schilling R, **Sikorskii A**. Correlation structure of time-changed Levy processes. *Communications in Applied and Industrial Mathematics*, Vol. 6, No 1, p.e -483, 2014.
7. Kerss A, Leonenko NN, **Sikorskii A**. Fractional Skellam processes with applications to finance. *Fractional Calculus and Applied Analysis*, 2014, 17(2):532-551.
8. Kerss AJ, Leonenko NN, **Sikorskii A**. Risky asset models with tempered stable fractal activity time. *Stochastic Analysis and Applications*, 2014, 32:4 642-663.
9. Leonenko NN, Meerschaert MM, **Sikorskii A**. Fractional Pearson diffusions. *Journal of Mathematical Analysis and Applications*, 2013, 403:532-546.
10. Leonenko NN, Meerschaert MM, **Sikorskii A**. Correlation structure of fractional Pearson diffusions. *Computers & Mathematics with Applications*, 2013, 66(5): 737-745.
11. Bolster D, Meerschaert MM, **Sikorskii A**. Product rule for vector fractional derivatives. *Fractional Calculus and Applied Analysis*, 2012, 15(3): 463-478.
12. Leonenko NN, Petherick S, **Sikorskii A**. Fractal activity time models for risky asset with dependence and generalized hyperbolic distributions. *Stochastic Analysis and Applications*, 2012; 30(3): 476-492.
13. Leonenko NN, Petherick S, **Sikorskii A**. A normal inverse Gaussian model for a risky asset with dependence. *Statistics and Probability Letters*, 2012, 82 (2): 109-115.
14. **Sikorskii A**, Melfi V, Gilliland D, Kaplan J, Ahn S. Quantitative literacy at Michigan State University: Development and initial evaluation of the assessment. *Numeracy* 2011, 4 (2): Article 5.
15. Gilliland D, Melfi V, Corcoran E, **Sikorskii A**, Melfi E. Quantitative literacy at Michigan State University: Connection to financial literacy. *Numeracy* 2011, 4 (2): Article 6.
16. Leonenko NN, Petherick S, **Sikorskii A**. The Student subordinator model with dependence for risky asset returns. *Communications in Statistics – Theory and Methods*, 2011, 40 (19-20): 3509-3523.
17. Rahbar MH, **Sikorskii A**, Gardiner JC, Wang W. Regression analysis of medical costs with right censored data in the presence of discrete covariates. *J. Stat & Appl.* 2010; 5(1): 81-92.
18. **Sikorskii A**. Diffusion approximation of solutions of perturbed differential equations. *Random Oper. and Stoch. Equations*, 2001;10(1): 13-28.
19. Leonenko NN, **Sikorskii A**, Terdik G. On bispectral estimate of the parameter of non-Gaussian data. *Random Oper. and Stoch. Equations*, 1998, 6(2): 159-182 (Errata, ibid,7(1)).
20. **Kepich A**, Leonenko NN. The non-Gaussian limit distribution of the correlogram of random field, *Theor. Probab. & Math. Statist.*, 1996; 51: 117-128.
21. **Kepich A**, Leonenko NN. On the limit distribution of the correlogram of random field with long-range dependence and unknown mean. *Random Oper. and Stoch. Equations*, 1994; 2(3): 203-210.
22. Leonenko NN, **Portnova A**. Convergence of the correlogram of Gaussian field to a non- Gaussian distribution. *Prob. Theory and Math. Statistics*. 1993, 49: 137-144.
23. Leonenko NN, **Portnova A**. On the limit distribution of correlogram of stationary Gaussian process with weak decrease of correlation. *Ukrain. Math. Journal*, 1993, 45:1635-1641.
24. Kaluski J, **Portnova A**. Confidence interval for one function of the normal law. *Visnyk Kiev University*, 1992; 5: 36-40.

### **Health Sciences Journals:**

25. Given B, Given C, **Sikorskii A**, Vachon E, Banik A. Medication burden of treatment using oral cancer medications. *Asia-Pacific Journal of Oncology Nursing*, 2017, 4(4): 80-87.
26. Wyatt G, **Sikorskii A**, Tesnjak I, Frambes D, Holmstrom A, Luo Z, Victorson D, Tamkus D. A Randomized Clinical Trial of Caregiver-delivered Reflexology for Symptom Management during Breast Cancer Treatment. Accepted by *Journal of Pain and Symptom Management*, 2017.

27. Boivin M, Okitundu D, Makila-Mabe B, Sombo M-T, **Sikorskii A**, Mayamba B, Tshala-Katumbay D. Cognitive and motor performance in Congolese children with konzo during 4-year follow-up: a longitudinal analysis. Accepted by *Lancet Global Health*, 2017.
28. Di Noia J, Monica D, **Sikorskii A**, Cullen, KW. Outcomes of a randomized controlled trial of nutrition education to promote farmers' market fruit and vegetable purchases and consumption among women enrolled in the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC). Accepted by *BMC Nutrition*, 2017.
29. Bass J, Opoka R, Familiar I, Nakasujja N, **Sikorskii A**, Awadu J, Givon D, Shohet SM, Murray S, Augustinavicius J, Mendelson T, Boivin M. Randomized controlled trial of caregiver training for HIV-infected child neurodevelopment and caregiver well-being. Accepted by *AIDS*, 2017.
30. Weiss M, Chhaya R, Seffren V, Awadu J, **Sikorskii A**, Giordani B, Boivin M. The feasibility of an automated eye tracking modified Fagan test of memory for human faces in younger Ugandan HIV-exposed children. Accepted by *Child Neuropsychology*, 2017.
31. Boivin M, Weiss M, Chhaya R, Seffren V, Awadu J, **Sikorskii A**, Giordani B. The feasibility of automated eye tracking with the early childhood vigilance test of attention in younger HIV-exposed Ugandan children. Accepted by *Neuropsychology*, 2017.
32. Frambes D, Given B, Lehto R, **Sikorskii A**. Health Outcomes of Informal Caregivers of Cancer Patients: A Literature Review. *West J Nurs Res*. 2017 Apr 1;193945917699364. doi: 10.1177/0193945917699364. [Epub ahead of print].
33. Frambes D, **Sikorskii A**, Tesnjak I, Wyatt G. Caregiver Health Outcomes: The Effects of Providing Reflexology for Symptom-Management for Women with Advanced Breast Cancer. Accepted by *Oncology Nursing Forum*, 2017.
34. Frambes D, Lehto R, **Sikorskii A**, Tesnjak I, Given B, Wyatt G. Fidelity Scorecard: Evaluation of a Caregiver-delivered Symptom Management Intervention. *J Adv Nurs*. 2017 Jan 25. doi: 10.1111/jan.13266. [Epub ahead of print].
35. Spoelstra S, **Sikorskii A**, Majumder A, Burhenn P, Schueller M, Given B. Feasibility, efficacy, and satisfaction of a nurse practitioner intervention to promote medication adherence and symptom management in patients prescribed oral anti-cancer agents: a quasi-experimental study. *Clin J Oncol Nurs*. 2017 Apr 1;21(2):157-160. doi: 10.1188/17.CJON.157-160.
36. Given CW, Given BA, Bradley CJ, Krauss JC, **Sikorskii A**, Vachon E. Dynamic assessment of value during high cost cancer treatment: a response to ASCO and ESMO. *J Oncol Pract*. 2016 Dec;12(12):1215-1218. Epub 2016 Oct 31.
37. Di Noia, J., Monica, D., Cullen, K. W., Perez-Escamilla R., Gray, H. L., & **Sikorskii, A**. Differences in fruit and vegetable intake by race/ethnicity and by Hispanic origin and nativity among women enrolled in the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC, 2015). *Prev Chronic Dis*. 2016 Aug 25;13:E115. doi: 10.5888/pcd13.160130.
38. Familiar I, Nakasujja N, Bass JK, **Sikorskii A**, Murray S, Ruisenor-Escudero H, Bangirana P, Opoka R, Boivin M. Caregivers' depressive symptoms and parent-report of child executive function among young children in Uganda. *Learning and Individual Differences*, 2016 Feb;46:17-24.
39. Holmstrom A, Wyatt G, **Sikorskii A**, Musatics C, Stolz E, Havener N. Dyadic recruitment in complementary therapy studies: Experience from a clinical trial of caregiver-delivered reflexology. *Applied Nursing Research*, 2016, 29:136-139.
40. Spoelstra S.L, Given CW, **Sikorskii A**, Coursaris CK, Majumder A, DeKoekkoek T, Schueller M, Given BA. Proof-of-Concept of a mHealth SMS Text Message Intervention that Promotes Adherence to Oral Anti-Cancer Agent Medications: A Randomized Controlled Trial. *Telemed J E Health*. 2016 Jun;22(6):497-506. doi: 10.1089/tmj.2015.0126. Epub 2015 Dec 30.
41. Familiar I, Murray S, Ruisenor-Escudero H, **Sikorskii A**, Nakasujja N, Boivin M, Opoka R, Bass J. Socio-demographic correlates of depression and anxiety among female caregivers living with HIV in rural Uganda. *AIDS Care*. 2016 Dec;28(12):1541-1545. Epub 2016 May 30.

42. Boivin M, Nakasujja N, **Sikorskii A**, Bangirana P, Opoka R, Giordani B. A Randomized controlled trial to evaluate if computerized cognitive rehabilitation improves neurocognition in Ugandan children with HIV. *AIDS Research and Human Retroviruses*, 2016 Apr 4. [Epub ahead of print].
43. Boivin M, **Sikorskii A**, Familiar-Lopez I, Ruisenor-Escudero H, Muhindo M, Kapisi J, Bigira V, Bass J, Opoka R, Nakasujja N, Kamia M, Dorsey G. Malaria illness mediated by anemia lessens cognitive development in younger Ugandan children. *Malaria Journal*, 2016 Apr 14;15(1):210. doi: 10.1186/s12936-016-1266-x.
44. Spoelstra S, **Sikorskii A**, Given C, Coursaris K, Majumder A, DeKoekkoek, Schueller M, Given B. Adults cancer patient recruitment and enrollment into cell phone text message trials. *Telemed J E Health*. 2016 Oct;22(10):836-842. Epub 2016 Mar 16.
45. Ruisenor-Escudero H, Familiar-Lopez I, **Sikorskii A**, Jambulingam N, Bass J, Boivin M. Nutritional and immunological correlates of memory and neurocognitive development among HIV infected children living in Kayunga, Uganda. *J Acquir Immune Defic Syndr*. 2016 Apr 15;71(5):522-9.
46. Bass J, Nakasujja N, Familiar-Lopez I, **Sikorskii A**, Murray S, Opoka R, Augustinavicius J, Boivin M. Association of caregiver quality of care with neurocognitive outcomes in HIV-affected children ages 2-5 years in Uganda. *AIDS Care*. 2016 Mar;28 Suppl 1:76-83. doi: 10.1080/09540121.2016.1146215. Epub 2016 Feb 17.
47. Wyatt G, **Sikorskii A**, Safikhani A, McVary K, Herman J. Saw Palmetto for symptom management during radiation therapy for prostate cancer. Accepted by *Journal of Pain and Symptom Management* 2016 Jun;51(6):1046-54. doi: 10.1016/j.jpainsymman.2015.12.315. Epub 2016 Feb 16.
48. Di Noia J, Dorothy M, Weber Cullen K, **Sikorskii A**. A randomized controlled trial of nutrition education to promote farmers' market fruit and vegetable purchases and consumption among women enrolled in the Special Supplemental Nutrition Program for Women, Infants and Children (WIC): Rationale and design of the WIC Fresh Start program. *BMC Nutrition* 2015, 1:33, DOI: 10.1186/s40795-015-0032-8.
49. **Sikorskii A**, Given C, Siddiqi A, Champion V, McCorkle R, Spoelstra S, Given B. Testing the differential effects of symptom management interventions in cancer. *Psycho-Oncology*, 2015 Jan;24(1):25-32. doi: 10.1002/pon.3555. Epub 2014 Apr 15.
50. Bangirana P, **Sikorskii A**, Giordani B, Nakasujja N, Boivin M. Validation of the CogState battery for rapid neurocognitive assessment in Ugandan school age children. *Child Adolesc Psychiatry Ment Health*. 2015 Aug 14;9:38. doi: 10.1186/s13034-015-0063-6. eCollection 2015.
51. Spoelstra S, Given C, **Sikorskii A**, Coursaris K, Majumder A, DeKoekkoek, Schueller M, Given B. A randomized controlled trial of the feasibility and preliminary efficacy of text messages on medication adherence in adults prescribed oral anti-cancer agents: study protocol. *J Adv Nurs*. 2015 Jun 23. doi: 10.1111/jan.12714. [Epub ahead of print]
52. Scuderi G, **Sikorskii A**, Bourne RB, Lonner JH, Benjamin JB, Noble P. The Knee Society Knee Score Short Form reduces respondent burden in the assessment of patient-reported outcomes *Clinical Orthopaedics and Related Research*, 2015, DOI 10.1007/s11999-015-4370-2.
53. Spoelstra S, Given C, **Sikorskii A**, Coursaris K, Majumder A, DeKoekkoek, Schueller M, Given B. Feasibility of a SMS text messaging intervention to promote symptom management and medication adherence for patients prescribed oral anti-cancer agents: A randomized controlled trial. *Oncol Nurs Forum*. 2015 Nov;42(6):647-57. doi: 10.1188/15.ONF.647-657.
54. Giordani B, Novak B, **Sikorskii A**, Bangirana P, Nakasujja N, Winn B, Boivin M. Designing and evaluating Brain Powered Games for cognitive training and rehabilitation in at-risk African children. *Global Mental Health* 2015, 2, e6, page 1 of 14. doi:10.1017/gmh.2015.5
55. Wyatt G, **Sikorskii A**, Tesnjak I, Victorson D, Srkalovic G. Chemotherapy interruptions in relation to symptom severity in advanced breast cancer. *Supportive Care in Cancer*, 2015 Nov;23(11):3183-91. doi: 10.1007/s00520-015-2698-5. Epub 2015 Mar 25.

56. Spoelstra S, Given C, **Sikorskii A**, Majumder A, Schueller M, Given B. Treatment with oral anti-cancer agents: symptom severity and attribution, and interference with comorbidity management. *Oncology Nursing Forum*, 2015 Jan 1;42(1):80-8. doi: 10.1188/15.ONF.42-01P.
57. Lehto RH, Wyatt G, **Sikorskii A**, Tesnjak I, Hankin V. Home-based mindfulness therapy for lung cancer symptom management: A randomized feasibility trial. *Psychooncology*. 2015 Sep;24(9):1208-12. doi: 10.1002/pon.3755. Epub 2015 Jan 28.
58. Talge N, Mudd L, **Sikorskii A**, Basso O. United States birth weight reference corrected for implausible gestational age estimates. *Pediatrics*, 2014 May;133(5):844-53. doi: 10.1542/peds.2013-3285.
59. Boivin M, Vokhiwa M, **Sikorskii A**, Magen JD, Beare N. Cerebral malaria retinopathy predictors of persisting neurocognitive outcomes in Malawian children. *Pediatric Infectious Disease Journal*, 2014 Aug;33(8):821-4. doi: 10.1097/INF.0000000000000296.
60. **Sikorskii A**, Noble PC. Statistical considerations in the psychometric validation of outcome measures. *Clinical Orthopaedics and Related Research* 2013 Nov;471(11):3489-3495.
61. Tamkus D, **Sikorskii A**, Gallo K, Wiese D, Leece C, Madhukar B, Chivu S, Chitneni C, Dimitrov N. Endothelin-1 expression in tumor cells and stroma predicts breast cancer recurrence. *ISRN Oncology*, vol. 2013, Article ID 385398, 2013. doi:10.1155/2013/385398
62. Wyatt G, **Sikorskii A**, Tamkus D, You M. Quality of life among advanced breast cancer patients with and without distant metastasis. *Eur J Cancer Care*, 2013 Mar;22(2):272-80.
63. Spoelstra SL, Given BA, Given CW, Grant M, **Sikorskii A**, You M, Decker V. Issues related to overadherence to oral chemotherapy or targeted agents. *Clinical Journal of Oncology Nursing*, 2013 Dec;17(6):604-609.
64. Wyatt G, **Sikorskii A**, Wills C. Testing of a Complementary and Alternative Medicine (CAM) knowledge instrument. *Journal of Nursing Measurement*, 2013, 21(1):55-63.
65. Spoelstra SL, Given BA, Given CW, Grant M, **Sikorskii A**, You M, Decker V. An intervention to improve adherence and management of symptoms for patients prescribed oral chemotherapy agents: An exploratory study. *Cancer Nurs*. 2013 Jan-Feb;36(1):18-28.
66. Spoelstra SL, Given BA, Given CW, Schutte DL, **Sikorskii A**, You M. A Comparative analysis of falls in those with and without cancer: Do elderly cancer survivors fall more often? *Oncology Nursing Forum*, 2013, 40(20), E69-78. doi: 10.1188/13.ONF.E69-E78.
67. Wyatt G, **Sikorskii A**, You M. Self-reported use of complementary therapies (CT) while participating in a reflexology longitudinal randomized clinical trial (RCT). *Altern Ther Health Med*. 2013 Sep-Oct;19(5):31-7.
68. Shroff MR, Holzman C, Tian Y, Evans RW, **Sikorskii A**. Mid-pregnancy maternal leptin levels, birthweight for gestational age and preterm delivery. *Clin Endocrinol (Oxf)*. 2013 Apr;78(4):607-13. doi: 10.1111/cen.12029.
69. Bullen BL, Jones N, Holzman C, Tian, Y, Senagore P, Thorsen P, Skogstrand K, Hougaard D, **Sikorskii A**. C-reactive protein and preterm delivery: Clues from placental findings and maternal weight. *Reprod Sci*. 2013 Jun;20(6):715-22. doi: 10.1177/1933719112466302. Epub 2012 Dec 7.
70. Dwamena F, Holmes-Rovner M, Gaulden C, Jorgenson S, Sadigh G, **Sikorskii A**, Lewin S, Smith R, Coffey J, Olomu A. Interventions for providers to promote a patient-centered approach in clinical consultations. *Cochrane Database Syst Rev*. 2012 Dec 12;12:CD003267. doi: 10.1002/14651858.CD003267.pub2.
71. **Sikorskii A**, Wyatt G, Tamkus D, Rahbar MH, Victorson D, Ahn S. Concordance of patient reports of cancer-related symptoms and medical records documentation. *Journal of Pain and Symptom Management*, 2012 Sep;44(3):362-72. Epub 2012 Jun 13.
72. Talge N, Holzman C, Van Egeren L, Symonds L, Scheid J, Senagore P, **Sikorskii A**. Late-preterm birth by delivery circumstance and its association with parent-reported attention problems in childhood. *Journal of Developmental & Behavioral Pediatrics*, 2012 Jun;33(5):405-15.
73. Wyatt G, **Sikorskii A**, Rahbar MH, Victorson D, You, M. Health related quality of life outcomes: A reflexology trial with advanced breast cancer patients. *Oncology Nursing Forum*; 2012, 39(6): 568-577.

74. Noble PC, Scuderi GR, Brekke A, **Sikorskii A**, Benjamin J, Lonner J, Chadha P, Daylamani D, Scott WN, Bourne RB. Development of a New Knee Society Scoring System. *Clinical Orthopaedics and Related Research*, 2012 Jan; 470(1):20-32.
75. Sherwood P, Given B, Given C, **Sikorskii A**, You M, Prince J. The impact of a problem solving intervention on increasing caregiver assistance and improving caregiver health. *Supportive Care in Cancer*. 2012 Sep;20(9):1937-47. Epub 2011 Nov 12.
76. Mijal R, Holzman C, Rana S, Karumanchi S, Wang J, **Sikorskii A**. Mid-pregnancy levels of angiogenic factors as indicators of pathways to preterm delivery. *Journal of Maternal-Fetal & Neonatal Medicine*, 2012 Jul;25(7):1135-41. Epub 2011 Oct 24.
77. Choi JY, Kuo CWJ, **Sikorskii A**, You M, Ren D, Sherwood P, Given C, Given B. Cognitive behavioral symptom management intervention in patients with cancer: Survival analysis. *Supportive Care in Cancer*, 2012 Jun;20(6):1243-50. Epub 2011 Jun 11.
78. Silveira M, Given C, **Sikorskii A**, Given B, Northouse L, Piette J. Improving patients' symptom management by engaging informal caregivers. *BMC Palliative Care*, 2011 Nov 25;10:21.
79. Rahbar MH, Wyatt G, **Sikorskii A**, Victorson D, Ardjomand-Hessabi M. Coordination and management of complementary and alternative medicine trials: Experience from a multisite reflexology intervention trial. *Contemporary Clinical Trials*, 2011 Sep;32(5):620-9. Epub 2011 Jun 2.
80. Flynn L, Bush T, **Sikorskii A**, Mukherjee R, Wyatt G. Understanding the role of stimulation in reflexology: development and testing of a robotic device. *European J Cancer Care*. 2011 Sep; 20(5): 686-96.
81. Scheid J, Holzman B, Jones N, Friderici K, Jernigan K, Symonds L, **Sikorskii A**, Fisher R. Life stressors and 5-HTTLPR interaction in relation to mid-pregnancy depressive symptoms among African-American women. *Psychiatric Genetics*, 2011 Dec;21(6):271-80.
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83. **Sikorskii A**, Wyatt G, Siddiqi A, Tamkus D. Recruitment and early retention of women with advanced breast cancer in a complementary and alternative medicine (CAM) trial. *Evidence-based Complementary and Alternative Medicine*, 2011; 2011: 734517. Published online 2011 February 14. doi: [10.1093/ecam/nep051](https://doi.org/10.1093/ecam/nep051)
84. Manorama A, Baek S, Vorro J, **Sikorskii A**, Bush TR. Blood perfusion and transcutaneous oxygen level characterizations in human skin with changes in normal and shear loads – Implications for pressure ulcer formation. *Clinical Biomechanics* 2010, 25(8): 823-828.
85. Given C, Given B, **Sikorskii A**, You M, Jeon S, Champion V, McCorkle R. Deconstruction of nurse-delivered patient self-management interventions for symptom management: Factors related to delivery enactment and response. *Annals of Behavioral Medicine* 2010, 40(1): 99-113.
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87. Wyatt G, **Sikorskii A**, Wills C, An H. Complementary and alternative medicine use, spending, and quality of life in early stage breast cancer. *Nursing Research*. 2010 Jan-Feb;59(1):58-66.
88. Given C, Bradley C, You M, **Sikorskii A**, Given B. Costs of novel symptom management interventions and their impact on hospitalizations. *Journal of Pain and Symptom Management*, 2010, 39(4):663-72.
89. Wyatt G, **Sikorskii A**, Bush T, Mukherjee R. Team science of nursing, engineering, statistics, and practitioner in the development of a robotic reflexology device. *Journal of the Society for Integrative Oncology*, 2010, 8(1):14-19.
90. **Sikorskii A**, Wyatt G, Victorson D, Faulkner G, Rahbar MH. Methodological issues in trials of Complementary and Alternative Medicine interventions. *Nursing Research*, 2009 Nov-Dec;58(6):444-51. NIHMS202898.
91. Kintner E, **Sikorskii A**. Randomized clinical trial of a school-based academic and counseling program for older school-age students. *Nursing Research*, 2009 Sep-Oct; 58(5):321-31.

92. Jeon S, Given C, **Sikorskii A**, Given B. The utility of screening in the design of trials for symptom management in cancer. *Journal of Pain and Symptom Management*, 2009 Oct; 38(4):606-14. Epub 2009 Aug 20.
93. Given C, Given B, **Sikorskii A**, You M, Champion V. Analyzing a symptom management trial: the value of both intention-to-treat and per protocol approaches. *Oncology Nursing Forum*, 2009 Nov;36(6):E293-302.
94. Given B, **Sikorskii A**, Given C, You M. Effects of assisting cancer patients with symptom management on family members reports of burden and depression. *Psycho-Oncology*, 2009, 18(Suppl 2):S70-S71.
95. **Sikorskii A**, Given C, Given B, Jeon S, You M. Differential symptom reporting by mode of administration of the assessment: Automated voice response system versus a live telephone interview. *Medical Care*, 2009 Aug;47(8):866-74.
96. **Sikorskii A**, Given C, You M, Jeon S, Given B. Response analysis for multiple symptoms revealed differences between arms of a symptom management trial. *Journal of Clinical Epidemiology*, 2009 Jul;62(7):716-24. Epub 2009 Jan 4. NIHMS123219.
97. Bay E, **Sikorskii A**, Saint Arnault D. Sex differences in depressive symptoms and their correlates after mild-to-moderate traumatic brain injury. *Journal of Neuroscience Nursing*, 2009, 41(6):298-309.
98. Siddiqi A, Given C, Given B, **Sikorskii A**. Quality of life among primary, metastatic and recurrent cancer patients. *European Journal of Cancer Care*, 2009, 18:84-96.
99. Bay E, **Sikorskii A**, Gao F. Functional status, chronic stress and cortisol response after mild-to-moderate traumatic brain injury. *Biological Research for Nursing*, 2009 Jan;10(3):213-25. Epub 2008 Nov 17.
100. Robbins L, **Sikorskii A**, Hamel L, Wu T-Y, Wilbur J. Gender comparisons of perceived benefits of and barriers to physical activity in middle school youth. *Research in Nursing and Health*, 2009 Apr;32(2):163-76.
101. Given C, **Sikorskii A**, Tamkus D, Given B, You M, McCorkle R, Champion V, Decker D. Managing symptoms among breast cancer patients during chemotherapy: results of a two arm behavioral trial. *Journal of Clinical Oncology*, 2008 Dec 20;26(36):5855-62. Epub 2008 Nov 24.
102. Siddiqi A, **Sikorskii A**, Given C, Given B. Early participant attrition from clinical trials: Role of trial design and logistics. *Clinical Trials: Journal of the Society for Clinical Trials*, 2008;5(4):328-35.
103. Kintner E, **Sikorskii A**. Reliability and construct validity of the Participation in Life Activities Scale for children and adolescents with asthma: an instrument evaluation study. *BioMed Central Health and Quality of Life Outcomes*, 2008, 6:43.
104. Corser W, **Sikorskii A**, Olomu A, Stommel M, Proden C, Holmes-Rovner M. Concordance between comorbidity data from post-discharge patient self-report interview and medical record documentation. *BioMed Central Health Services Research*, 2008, 8:85 (16 Apr 2008).
105. Robbins L, Wu T-Y, **Sikorskii A**, Morley B. Psychometric assessment of the adolescent physical activity perceived benefits and barriers scales. *Journal of Nursing Measurement*, 2008, 16(2):98-112.
106. Jeon S, Given C, **Sikorskii A**, Given B. Do interference based cut-points differentiate mild, moderate and severe levels of 16 cancer related symptoms over time? *Journal of Pain and Symptom Management*, 2009 Feb;37(2):220-32. Epub 2008 Jul 10.
107. Given B, Given C, **Sikorskii A**, Jeon S, McCorkle R, Champion V, Decker D. Establishing mild, moderate and severe scores for cancer related symptoms: How consistent and clinically meaningful are interference based severity cut points? *Journal of Pain and Symptom Management*, 2008; 35(2):126-135.
108. **Sikorskii A**, Given C, Given B, Jeon S, Decker V, Decker D, Champion V, McCorkle R. Symptom management for cancer patients: A trial comparing two multimodal interventions. *Journal of Pain and Symptom Management*, 2007;34(3):253-264.
109. Wyatt G, **Sikorskii A**, Siddiqi A, Given C. Feasibility of a reflexology and guided imagery intervention during chemotherapy: Results of a quasi-experimental study. *Oncology Nursing Forum*, 2007; 34(3):635-642.
110. Given B, Given C, **Sikorskii A**, Hadar N. Symptom clusters and physical function for patients receiving chemotherapy. *Seminars in Oncology Nursing*, 2007; 23(2):121-126.



111. Scheid J, Holzman C, Jones N, Friderici K, Nummy K, Symonds L, **Sikorskii A**, Regier M, Fisher R. Depressive symptoms in mid-pregnancy, lifetime stressors, and 5-HTTLPR genotype. *Genes, Brain and Behavior*, 2007; 6(5):453-464.
112. Given B, Given C, **Sikorskii A**, Jeon S, Sherwood P, Rahbar MH. The impact of providing symptom management assistance on caregiver reaction: Results of a randomized trial. *Journal of Pain and Symptom Management*, 2006; 32(5):433-443.
113. **Sikorskii A**, Given C, Given B, Jeon S, McCorkle R. Testing the effects of treatment complications on a cognitive behavioral intervention for reducing symptom severity. *Journal of Pain and Symptom Management*, 2006; 32(2): 129-39.
114. Given B., Given C., Jeon S., **Sikorskii A**. The effect of neutropenia on the impact of a cognitive behavioral intervention for symptom management. *Cancer* 2005; vol. 104, 3: 869-878.

**Non-peer reviewed publications:**

115. Liu F, Magin R, Li C, **Sikorskii A**, Yuste SB. Analysis of Fractional Dynamic Systems. Editorial, *The Scientific World Journal*, 2014;2014:760634. doi: 10.1155/2014/760634. Epub 2014 Apr 23.
116. **Sikorskii A**. Book review “Design and Analysis of Experiments with SAS” by J. Lawson. *The American Statistician*, 2011.
117. Rahbar MH, **Sikorskii A**, Gardiner JC. Regression analysis of medical costs with right censored data in the presence of discrete covariates. *2003 Proceedings of the American Statistical Association, Biometrics Section*, San Francisco, CA: American Statistical Association, 2003: 3405-3410.

**Special publications:**

118. **Sikorskii A**. Supplement to custom edition of Mind on Statistics by Utts and Heckard, 5<sup>th</sup> edition, 2014.
119. **Sikorskii A**. Supplement to custom edition of The Art and Science of Learning from Data by Agresti and Franklin, 3<sup>rd</sup> edition, Pearson, 2012.
120. **Sikorskii A**. Supplement to custom edition of The Art and Science of Learning from Data by Agresti and Franklin, 2<sup>nd</sup> edition, Pearson, 2011.

**Manuscripts under review:**

121. **Sikorskii A**, Wyatt G, Victorson D, Hankin V, Safikhani A. Performance of PROMIS and legacy measures among advanced breast cancer patients and their caregivers.
122. Jia F, Luo Z, **Sikorskii A**, Wyatt G. A flexible plug-in estimator of controlled direct effects in longitudinal studies.
123. Jeon S, **Sikorskii A**, Given B, Given C, Redeker N. Evaluating transitions in symptom experience of cancer patients undergoing chemotherapy: Application of latent transition analysis.
124. **Sikorskii A**, Osuch J, Giordani B, Haan P, Smith S, Symonds L, Khattree R, Blow A, Boivin M. Health-related quality of life: Longitudinal analysis from the time of breast biopsy into the post-treatment period.
125. Grahovac D, Leonenko N, **Sikorskii A**, Taqqu M. Unusual properties of long-range dependent superpositions of Ornstein-Uhlenbeck type processes.
126. Crane T, Badger T, Hsu C-H, Segrin C, Rosenfeld A, **Sikorskii A**. Occurrence of symptom clusters in Latina breast cancer survivors.
127. **Sikorskii A**, Wyatt G, Lehto R, Victorson D, Badger T, Pace T. Using SMART design to improve symptom management strategies among cancer patients: A methodological overview using an integrative oncology exemplar trial.
128. Sikorskii, A., Given, C.W., Given, B.A., Vachon, E., Marshall, V., Krauss, J.C., Banik, A., Majumder, A. Do Treatment Patterns Alter Beliefs Cancer Patients hold Regarding Oral Oncolytic Agents?

## **Funded Research Grants:**

### **Active:**

1. NIH R01 CA193706 Using SMART Design to Improve Symptom Management Strategies among Cancer Patients. Role: PI (with G. Wyatt), 2015-2019, \$2,179,924.
2. NIH R01 ES019841-06 Toxicodietary and genetic determinants of susceptibility to neurodegeneration, PI: D. Tshala-Katumbay, Role: Co-investigator, 2016-2021.
3. NIH R01 CA157459 Home-Based Symptom Management via Reflexology for Advanced Breast Cancer Patients. PI: G. Wyatt. Role: Co-investigator. 2011-2017, \$3,221,360.
4. NIH R01 HD073296 Developmental & Growth Outcomes for ARV Exposed HIV Uninfected African Children PI: M. Boivin. Role: Co-investigator, 2013-2017. \$783,897.
5. The American Cancer Society RSG-12-120-01-CPPB Support for Latinas with Breast Cancer & Their Intimate and Family Partners. PI: T. Badger, Role: Co-investigator, 2016-2017.
6. University of Bergen, Norway. PROMISE Protects, PI: M. Boivin. Role: Co-investigator, 2015-2018, \$246,261.

### **Completed:**

7. NIH R01 CA162401 Improving Adherence to Oral Cancer Agents and Self Care of Symptoms Using an IVR. PIs: C. Given and B. Given. Role: Co-investigator, 2013-2017, \$2,801,715.
8. NIH R01 HD070723 Enhancing Ugandan HIV-affected child development with caregiver training. PI: M. Boivin. Role: Co-investigator, 2013-2016. \$2,304,641.
9. Michigan Department of Health and Human Services, US Department of Health and Human Services. Translating Evidence into Demonstrations. PI: C. Given, Role: Co-Investigator, 2013-2017, \$298,191.
10. Juvenile Diabetes Research Foundation (JDRF), Inflammatory lipid biomarkers for early detection of beta cell autoimmunity. PI: K. Olson. Role: co-investigator, 2014-2017, \$750,000.
11. Michigan Department of Health and Human Services, US Department of Health and Human Services. Integrated Care Assessment. PI: C. Given, Role: Co-Investigator, 2015-2017, \$321,810.
12. Oncology Nursing Society (ONS) grant An Intervention to Promote Symptom Management and Oral Agent Adherence: ADHERE. PI: S. Spoelstra. Role: Co-Investigator. 2014-2016, \$150,000.
13. NIH R01 HD064416 Computerized Cognitive Rehabilitation in Children after Severe Malaria, PI: M. Boivin. Role: Co-investigator, 2013-2016, \$3,075,762.
14. VA IIR Web based caregiver support for veterans undergoing chemotherapy. PI: M. Silveira. Role: consultant. 2013-2015, \$13,517.
15. NIH R21 HS023109 Chronic Condition Accumulation in a Michigan Dually Insured Population. PI: K. Oberst, Role: co-investigator. 2014-2015. \$165,043.
16. NIH R15 CA176595 Text Messaging to Promote Adherence to Oral Agents. PI: S. Spoelstra. Role: co-investigator. 2013-2015. \$465,516.
17. NIH R01 HL103825 Preterm Delivery and Maternal Cardiovascular Disease Risk. PIs: C. Holzman and J. Catov. Role: statistician. 2010-2014. \$3,717,916.
18. McKesson Foundation. Text Messaging to Improve Adherence to Oral Chemotherapy Agents. PI: S. Spoelstra. Role: co-investigator. 2013-2014. \$250,000.
19. MSU CTSI grant Novel Standardized Measures of Health- Related Quality of Life for Caregivers of Breast Cancer Patients. PI: A. Sikorskii, 2012-2013, \$15,792.
20. MSU CTSI grant Mindfulness Therapy for Individuals with Lung Cancer. PI: R. Lehto. Role: co-investigator, 2012-2013, \$25,000.
21. MSU CTSI grant Saw Palmetto during radiation therapy for prostate cancer. 2011-2013. PI: G. Wyatt, role: co-investigator, \$24,886.

22. MSU Quantitative Literacy grant, 2012-2014, role: co-PI with D. Gilliland, V. Melfi, Y. Wang, P. Sikorskii, \$50,000.
23. Walther Cancer Foundation grant Web-based System to Support Family Caregiving. PI: A. McDaniel Role: statistician. 2009-2012, \$122,262.
24. R01 CA104883 Reflexology: An Intervention for Advanced Breast Cancer. 2005-2011. PI: G. K. Wyatt. Role: co-investigator. \$3,221,360.
25. CDC RFA DP05-010 The Effect of Maternal and Fetal Immune System-Related Gene Polymorphisms on Pregnancy Outcomes. 2005-2011. PI: C. Holzman. Role: statistician. Funded by CDC. \$2,539,584.
26. NIH R01 CA30724 Automated Telephone Monitoring for Symptoms Management. 2003-2009. PI: C.W. Given. Role: co-investigator. \$3,717,468.
27. World Health Organization (WHO) Systematic Review of Patient-Centered Care Interventions. 2009. PI: M. Holmes-Rovner. Role: co-investigator. Funded by the World Health Organization. \$17,518.
28. Walther Caregiver Project. 2009-2010 PI: B. Given. Role: co-investigator. Funded by Walther Cancer Foundation. \$144,262.
29. NIH R01 CA79280 Family Home Care for Cancer: A Community Based Model. 2003-2008. PI: B. Given. Role: co-investigator. \$2,961,924.
30. NIH R01 MH071307 Mixed Method Analysis of Depressed Japanese Women. 2005-2008. PI: D. Saint Arnault. Role: co-investigator. \$1,373,187.
31. NIH R01-RFA-NS-05-004 Michigan State University Parkinson Disease Clinical Center. PI: Goudreau, JL. Role: co-investigator. \$553,798.
32. NIH R01 NR010544 Comparison of Asthma Programs for Schools. PI: E. Kintner. 2008-2012. Role: co-investigator, \$3,128,917.
33. Oncology Nursing Society (ONS) Intervention to Improve Adherence and Symptoms from Oral Agents. 2007-2009. PI: B. Given. Role: co-investigator. Funded by the Oncology Nursing Society Foundation. \$200,000.
34. CDC U10 DD000007-01. Data Coordinating Center for Autism and Other Disabilities. 2004-2005. PI: M.H. Rahbar, CDC/DHHS. Role: co-investigator. \$3,492,392.

### **Invited presentations:**

1. **Sikorskii A.** An overview of SMART design using an integrative oncology exemplar trial. Invited talk at the University of Arizona Cancer Center, Cancer Prevention and Control, March 8, 2017.
2. **Sikorskii A.** Using SMART design to improve symptom management among cancer patients. Invited talk at the University of Arizona Cancer Center, Cancer Prevention and Control, December 9, 2016.
3. **Sikorskii A.** Applications of Fractional Calculus to Stochastic Models for Finance. Invited talk at the Workshop on Future Directions in Fractional Calculus Research and Applications, East Lansing, MI, October 17-21, 2016.
4. **Sikorskii A.** Stochastic solutions for fractional wave equations. Seminar, Case Western Reserve University, April 21, 2016 (with M. M. Meerschaert and R. L. Schilling).
5. **Sikorskii A.** Using SMART design to improve symptom management among cancer patients. Keynote talk at SAMSI Workshop on Methodology for Precision Medicine: Integrating Statistical and Mathematical Approaches, Research Triangle Park, North Carolina, April 2016.
6. **Sikorskii A.** Evaluation and sequencing of symptom management interventions in cancer. University of Arizona, Tucson, AZ, December 7, 2015.
7. Kerss A, Leonenko N, **Sikorskii A.** Fractional Skellam processes in modeling of high frequency financial data. AMS Western Sectional Meeting, Fullerton, CA, October 24, 2015.
8. Kerss A, Leonenko N, **Sikorskii A.** Fractional Skellam processes with applications to finance. International Conference on Nonlinear Dynamics and Complexity, La Manga, Spain, May 11-15, 2015.

9. **Sikorskii A.** Risky asset models with generalized hyperbolic distributions and dependence of log returns. International Workshop on Stochastic Analysis and Risk Management in Financial Markets, Cardiff, UK, May 8, 2015.
10. **Sikorskii A.** Measurement and analysis of symptom outcomes. Arbor Research, Ann Arbor, MI, April 28, 2015.
11. Leonenko NN, Meerschaert MM, Schilling RL, **Sikorskii A.** Correlation structure of time-changed Levy processes. AMS Central Sectional Meeting, East Lansing, MI, March 14-15, 2015.
12. Leonenko NN, Meerschaert MM, **Sikorskii A.** Fractional Pearson Diffusions. Rutgers University colloquium, February 6, 2015.
13. Meerschaert MM, Schilling RL, **Sikorskii A.** Stochastic solutions for fractional wave equations. AMS Fall Western Sectional Meeting, San Francisco, CA, October 25-26, 2014.
14. Leonenko NN, Meerschaert MM, **Sikorskii A.** Fractional Pearson Diffusions. Colloquium, Cardiff University, School of Mathematics, UK, July 9, 2014.
15. Leonenko NN, Meerschaert MM, **Sikorskii A.** Covariance structure of continuous time random walk limit processes. Fractional Calculus, Probability and Non-local Operators: Applications and Recent Developments, Bilbao, Spain, November 2013.
16. Meerschaert MM, **Sikorskii A.** Stochastic solutions for fractional wave equations. Fractional Calculus, Probability and Non-local Operators: Applications and Recent Developments. A workshop on the occasion of the retirement of Francesco Mainardi. Bilbao, Basque Country, Spain, November 6-8, 2013.
17. Boivin M, **Sikorskii A.** The correspondence between early and middle childhood neurodevelopmental assessments in Malawian and Ugandan children. Invited presentation at the Cognition Testing workshop, London UK, July 2013.
18. **Sikorskii A.** Correlation structure of fractional Pearson diffusions. Plenary talk at the First International Symposium on Fractional PDEs, Brown University, June 2013.
19. **Sikorskii A.** Patient reported outcomes: PROMIS and legacy measures. Symposium presentation at the 10<sup>th</sup> Annual Conference of the American Psychological Oncology Society, CA, February 15-16, 2013.
20. **Sikorskii A,** Noble PC. Patient Reported Outcome Measures in Orthopedics: The New Knee Society Score. Invited presentation at the Orthopaedic Research Society Annual Conference, San Antonio, Texas, January 2013.
21. **Sikorskii A,** Noble PC. Statistics and Validation of Outcome Measures. Invited presentation at the American Association of Bone and Joint Surgeons Carl T. Brighton Workshop, Tampa, Florida, November 2012.
22. Noble PC, Brekke A, **Sikorskii A.** Function/activity level scales. Invited presentation at the American Association of Bone and Joint Surgeons Carl T. Brighton Workshop, Tampa, Florida, November 2012.
23. Meerschaert M.M., **Sikorskii A.** Fractional Calculus Models for Anomalous Diffusion: Fractional Pearson Diffusion. Invited presentation at SAMSI summer program on Nonlocal Continuum Models for Diffusion, Mechanics, and Other Applications, Research Triangle Park, North Carolina, 26 June 2012.
24. **Sikorskii A.** Fractional Pearson diffusion. Semi-plenary talk at 5th International Federation of Automatic Control (IFAC) Symposium on Fractional Differentiation and its Applications – FDA'12, Hohai University, Nanjing, China, May 2012.
25. **Sikorskii A.** Differential Symptom Reporting by Mode of Administration of the Assessment. Colloquium, University of Pittsburgh Cancer Institute, Hillman Cancer Center, Pittsburgh, April 2012.
26. **Sikorskii A.** Methodology and Measurement for Clinical Trials of Symptom Management in Cancer. Colloquium, School of Public Health, University of Texas, Houston, March 2012.
27. **Sikorskii A.** Methodology and Measurement for Clinical Trials of Symptom Management in Cancer. Colloquium, Department of Mathematics, San Francisco State University, February 2012.
28. Leonenko NN, Petherick S, **Sikorskii A.** Fractal activity time risky asset models. Podium presentation at the Workshop on Long-Range Dependence: From Fractional Calculus to Financial Applications, Kiev National Taras Shevchenko University, Kiev, Ukraine, 2009.

29. **Sikorskii A**, Given C, Given B, You M, Jeon S. Methodology for assessing patients' responses to interventions targeting multiple symptoms. Paper at MD Anderson University of Texas Cancer Center conference "Mechanisms and Treatment of Cancer- Related Symptoms". Houston, TX, 2008.
30. Given C, **Sikorskii A**, Given B, Jeon S, You M. The Development of anchor-based measures for assessing symptom change: Defining interference based cut-points & establishing difference in interference over time. Invited presentation at MD Anderson University of Texas Cancer Center conference "Mechanisms and Treatment of Cancer- Related Symptoms". Houston, TX, 2008.
31. **Sikorskii A**. Symptom measurement and methodology for evaluating symptom management interventions in cancer. Eli Lilly & Co, Indianapolis, IN, 2008.
32. **Sikorskii A**. Methodology for evaluating symptom management interventions in cancer. Division of Biostatistics, Indiana University School of Medicine, 2008.
33. **Sikorskii A**. Conducting interdisciplinary research: Collaboration of a statistician and a health researcher. Invited presentation at the American Statistical Association Mid-Michigan Chapter Fall Meeting, 2008.
34. **Sikorskii A**. Conducting interdisciplinary research: Collaboration of a statistician and a health researcher. Invited presentation at the Department of Mathematics, Central Michigan University, Mt Pleasant, Michigan, 2008.
35. Given B, Given C, **Sikorskii A**, Jeon S. How effective are nurse administered cognitive behavioral interventions? Invited presentation at the University of Texas College of Nursing, Houston, TX, 2007.
36. Wyatt G, **Sikorskii A**. Methodological issues in complementary therapy research. Presentation at New Beginnings in End-Of-Life Care Conference. Plymouth, Michigan, 2006.
37. Given CW, Given B., **Sikorskii A**, Powers RW. Symptom management during chemotherapy: RCT's to test theory and specify effects. Invited presentation to Cancer Control Section of the Arthur James Comprehensive Cancer Center, Ohio State University, Columbus, OH, 2006.
38. **Sikorskii A**. Assessment of trials of cognitive-behavioral interventions: methodology of symptom measurement. Invited presentation at the Walther Cancer Institute Behavioral Cooperative Oncology Group Fall meeting, 2005.

### **Conference podium presentations:**

1. **Sikorskii A**, Given C, Given B, Krauss J, Vachon E, Rosenzweig M, Majumder A, Banik A. Age Influenced Oral Oncolytic Dosing, Retention, and Symptom Management Intervention Outcomes. The American Psycho-oncology Society annual conference, Orlando, FL, February 15-18, 2017.
2. Wyatt G., **Sikorskii A.**, Tesnjak I., Frambes D., Holmstrom A., Lou Z. Caregiver Involvement in Advanced Breast Cancer Symptom Management. (2017, May 4-7). Abstract accepted for an oral presentation at the 41st Annual Oncology Nursing Society Congress, Denver, CO.
3. Boivin M, Nakasujja N, **Sikorskii A**, Ruisenor-Escudero H, Familiar-Lopez I, Opoka R, Giordani B. A randomized controlled trial of neuropsychological benefits of computerized cognitive rehabilitation training in Ugandan children surviving severe malaria. American Society of Tropical Medicine and Hygiene, Atlanta, GA, November 16, 2016.
4. Wyatt, G., **Sikorskii, A.**, Tesnjak, I., Frambes, D., Holmstrom, A., Lou, Z. (2016, September 15-17). Social Determinants of Health: Caregiver Involvement in Symptom Management. Presentation at the Council for the Advancement of Nursing Science (CANS) annual conference, Washington D.C.
5. Wyatt, G., **Sikorskii, A.**, Tesnjak, I., Frambes, D., Holmstrom, A., Lou, Z. (2016). Psychosocial care: Involvement of caregiver in symptom management. IPOS Meeting, Dublin Ireland. October 2016.
6. Given, B.A, **Sikorskii, A.**, Given, C.W., Krauss, J., Vachon, E., Marshall, V. Implications for treating late stage prostate cancer with targeted oral agents. Podium presentation, symposium at IPOS 2016 Meeting, Dublin Ireland. October 2016

7. **Sikorskii, A.**, Given, B.A., Given, C.W., Vachon, E., Majumder, A. Do age, symptoms, function alter cancer patients perceptions of cost benefit of oral medications? Podium presentation part of “Attitudes, Impact, and Management of Treatment for Older Cancer Patients” symposium at the 2016 Gerontological Society of America Annual Scientific Meeting, New Orleans, LA. November, 2016.
8. Lehto, R.H. **Sikorskii, A.**, Wyatt, G., & Safikhani, A. Symptom management in lung cancer: testing two modes of delivery for mindfulness meditation: telehealth and in-person versus usual care. Abstract submitted to the 40th Annual MNRS conference, Milwaukee, WI. March 17-20, 2016.
9. Lehto, R.H. **Sikorskii, A.**, Wyatt, G., & Safikhani, A. Lung cancer symptom management: evaluation of two mindfulness meditation delivery modes: telehealth and in-person versus usual care. Submitted to APOS 13<sup>th</sup> annual Conference. San Diego, CA. March 3-5, 2016.
10. Meerschaert MM, Schilling RL, **Sikorskii A.** Stochastic solutions for fractional wave equations. Joint Mathematics Meetings, San Antonio, TX, January 10-13, 2015.
11. Boivin M, Nakasujja N, **Sikorskii A.**, Bangirana P, Opoka R, Giordani B. Computerized cognitive rehabilitation training can improve neuropsychological outcomes in rural school-age Ugandan children with HIV. 7<sup>th</sup> International Workshop on HIV Pediatrics, 17 – 18 July 2015, Vancouver, Canada.
12. Spoelstra SL, Given CW, **Sikorskii A.**, Coursaris CK, Majumder A, DeKoekkoek, T, Schueller M, Given B. Feasibility of a text messaging intervention to promote symptom management and medication adherence for patients prescribed oral anti-cancer agents. Oncology Nursing Society 40<sup>th</sup> Annual Congress, Orlando, Florida, April 23-26, 2015.
13. Lehto R, Wyatt G, **Sikorskii A.**, Tesnjak I, Safikhani A. Targeting worry, insomnia, and dyspnea outcomes in lung cancer: A mindfulness application. MNRS 2015 Annual Research Conference, Indianapolis, Indiana, April 16-19, 2015.
14. Coursaris K, Spoelstra S, Given C, **Sikorskii A.**, Majumder A, DeKoekkoek T, Schuller M, Given B. A Health Belief Messaging Framework and a Randomized Controlled Trial of an SMS-based Intervention for Cancer Patient Outcomes. 48th Annual Hawaii International Conference on System Sciences (HICSS), Information technology in health Care track. Kauai, January 5-8, 2015.
15. Boivin M, **Sikorskii A.**, Familiar-Lopez I, Ruisenor-Escudero H, Bigira V, Capisi J, Muhindo M, Bangirana P, Nakasujja M, Kamia M, Opoka R, Dorsey G. Bouts of malaria illness as mediated by anemia diminishes cognitive development in very young Ugandan children. The 63<sup>rd</sup> Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans, LA, November 2-6, 2014.
16. Given CW, Given B, **Sikorskii A.**, Coursaris C, Majumder A, DeKoekkoek T, Schueller M, Spoelstra S. Recruitment and Enrollment of Older Cancer Patients in a Text Message Trial. GSA 2014 Annual Scientific Meeting, November 5-9, 2014, Washington, DC.
17. Spoelstra S, Given B, **Sikorskii A.**, Coursaris K, Majumber A, DeKoekkoek T, Schueller M, Given C. Acceptability and preliminary efficacy of a SMS text message intervention in older cancer patients. GSA 2014 Annual Scientific Meeting, November 5-9, 2014, Washington, DC.
18. Familiar-Lopez I, **Sikorskii A.**, Murray S, Nakasujja N, Bangirana P, Opoka R, Bass J, Boivin M. Caregivers’ depressive symptoms and child neurodevelopment assessments in rural Uganda. XVI World Congress of Psychiatry, September 14-18, 2014, Madrid, Spain.
19. Lehto R, Wyatt G, **Sikorskii A.**, Tesnjak I, Safikhani A. The Impact of a Mindfulness Intervention on Worry, Insomnia, and Dyspnea Outcomes during Treatment for Advanced Lung Cancer. Council for the Advancement of Nursing Studies, September 2014, Washington, DC.
20. Meerschaert MM, Schilling RL, **Sikorskii A.** Stochastic solutions for fractional wave equations. 2014 International Conference on Fractional Differentiation and Its Applications ICFDA’14, Catania, Italy, June 23-25, 2014.
21. Boivin M, Giordani B, Nakasujja N, **Sikorskii A.**, Bangirana P, John C, Opoka R. Computerized cognitive rehabilitation training can improve neuropsychological outcomes in Ugandan children surviving severe malaria. Tenth World Congress on Brain Injury, March 2014, San Francisco, CA.
22. Boivin M, Giordani B, Bangirana P, **Sikorskii A.**, Nakasujja N, Opoka R, Novak B, Winn B. Computerized cognitive rehabilitation training can improve neuropsychological outcomes in rural

- school-age Ugandan children with HIV. World Psychiatric Association Africa Regional Conference, Kampala, Uganda, February 2014.
23. Leonenko NN, Meerschaert MM, **Sikorskii A**. Correlation structure of fractional Pearson diffusions. The 2013 International Conference on Applied Mathematics, Modeling and Computational Science, Waterloo, Ontario, Canada, August 2013.
  24. Meerschaert MM, **Sikorskii A**. CTRW model for fractional wave equations. The 2013 International Conference on Applied Mathematics, Modeling and Computational Science, Waterloo, Ontario, Canada, August 2013.
  25. Leonenko NN, Meerschaert MM, **Sikorskii A**. Correlation structure of time-changed Levy processes. 36<sup>th</sup> international conference on Stochastic Processes and their Applications, Boulder, Colorado, July 2013.
  26. Given, B., Given, C.W., **Sikorskii, A.**, You, M. Cost of Symptom Management Intervention and Impact on Health Service Use. Part of 'Symptom Management across Multiple Cancer Populations' symposium. 37th Annual Midwest Nursing Research Society Conference, Chicago, IL, March 2013.
  27. Meerschaert M.M., Leonenko N.N., **Sikorskii, A.** Fractional Pearson Diffusion. Presentation at Joint Mathematical Meetings, San Diego, CA, January 2013.
  28. Lehto, R.H., Wyatt, G., & **Sikorskii, A.** Mindfulness-based therapy for Symptom Management During Lung Cancer Treatment. Abstract Accepted as part of "Symptom Management Across Multiple Cancer Populations" Symposium for 37th Annual MNRS conference March 2013.
  29. Lehto, R.H., Wyatt, G., & **Sikorskii, A.** A mindfulness intervention for symptom management in lung cancer. ONS Connections 2012: Advancing Care through Science Conference. Phoenix, AZ.
  30. Wyatt G.K., **Sikorskii A.**, Rahbar M.H., Victorson D., You M. Health Related Quality of Life: A Reflexology Trial with Advanced Breast Cancer Patients. Abstract accepted for podium presentation at ONS Connections Conference, Phoenix, AZ, November 16-18, 2012.
  31. Wyatt G, **Sikorskii A**, Rahbar MH, Victorson D. Reflexology improves self -reported physical functioning in advanced breast cancer: Results from an NCI-funded randomized controlled trial. Podium presentation at the 8<sup>th</sup> Annual Conference of the American Psychological Oncology Society, Anaheim, CA, February 17-19, 2011.
  32. Spoelstra S, Given B, Schutte D, **Sikorskii A**, You M, Given C. Falls, fall sequale, and healthcare in aging community dwelling elderly cancer survivors. Podium at Transitions of Care Across the Aging Continuum GSA Scientific Meeting: November, 19-23, 2010, New Orleans, LA.
  33. Given, B., Sherwood, P., Given, C.W., **Sikorskii, A.** Transitions in Cancer Care: Family Caregivers Involvement in Symptom Management. Podium presentation at Gerontological Society of America 63<sup>rd</sup> Annual Scientific Meeting, New Orleans, LA, November 2010.
  34. Given, C.W., Given, B., **Sikorskii, A.**, You, M. From Treatment to Survivorship: Identifying Cancer Patients in Need of Supportive Care. Podium presentation at Gerontological Society of America 63<sup>rd</sup> Annual Scientific Meeting, New Orleans, LA, November 2010.
  35. Given, C.W., Spoelstra, S, Given, B., You, M., **Sikorskii, A.** Explaining Transfers from Home and Community Based Waiver Program to Nursing Home: Can Patients Stay at Home? Podium presentation at Gerontological Society of America 63<sup>rd</sup> Annual Scientific Meeting, New Orleans, LA, November 2010.
  36. Shroff M, Holzman C, Tian Y, **Sikorskii A**. Midpregnancy adipokines, maternal body mass, and pregnancy outcomes. Podium presentation at the Society for Perinatal and Pediatric Epidemiologic Research 23<sup>rd</sup> Annual Meeting, June 2010.
  37. Wyatt, G.K., **Sikorskii, A.**, Victorson, D.V., Rahbar, H., & Adams, L. Intervention Fidelity: Complementary Therapy Research. Podium presenattion at the symposium at the Council for the Advancement of Nursing Science (CANS), September 27-29, 2010 State of the Science Congress on Nursing Research, Washington DC.

38. Given B, Given C, **Sikorskii A**. Intervention Fidelity for Cancer Symptom Management. Podium presentation at 2010 National State of the Science Congress on Nursing Research. Council for the Advancement of Nursing Science, Washington DC.
39. Wyatt G, **Sikorskii A**, Tamkus D. The Concordance between Patient Reports of Cancer-Related Symptoms and Medical Records Documentation. Podium presentation at the 7<sup>th</sup> Annual Conference of the American Psychological Oncology Society, New Orleans, LA, February 18-21, 2010.
40. Ebert-May D, Kaplan J, Donahue M, Ording G, Brey Speth E, Melfi V, Gilliland D, **Sikorskii A**, Johnson N. Assessing students incoming status and progress in scientific reasoning and quantitative literacy at a research university. Podium presentation at the Ecological Society of America conference, August 2009.
41. Given B, Given C, **Sikorskii A**, You M. The effects of providing assistance with symptom management on depression, mastery and burden of caregivers of cancer patients. Podium presentation at the *IPOS 11th World Congress of Psycho-Oncology, Vienna, Austria*, June 21-25, 2009.
42. Given C, **Sikorskii A**, Siddiqi A, and Given B. Comparing Cognitive Behavioral and Educational Strategies: Does Age Moderate the Impact of Interventions on Symptom Severity Among Cancer Patients. Podium presentation at the *IPOS 11th World Congress of Psycho-Oncology, Vienna, Austria*, June 21-25, 2009.
43. Wyatt G, **Sikorskii A**, Wills C. Decision-making among women with breast cancer regarding the use of Complementary and Alternative Medicine (CAM) therapies. Podium presentation at the Fifth International Conference of the Society of Integrative Oncology, Atlanta, GA, November 2008.
44. Bay E, **Sikorskii A**, Saint Arnault D. Sex differences in depressive symptoms and their correlates after mild-to-moderate traumatic brain injury. Podium presentation at North America Brain Injury Society 6<sup>th</sup> Annual Brain Injury Conference, New Orleans, October 2008.
45. Kintner E, **Sikorskii A**, Cook G, Van Egeren L. Preliminary efficacy of a school-based academic and counseling program for older elementary students, Staying Healthy – Asthma Responsible and Prepared (SHARP). Podium presentation designated with Honorable Distinction at the Council for the Advancement of Nursing National State of the Science Congress, Washington DC, October 2008.
46. Wyatt GK, **Sikorskii A**. Designing a Successful Intervention for Complementary Therapy Research. Podium presentation at the 41st Annual Communicating Nursing Research Conference, Western Institute of Nursing. Garden Grove, CA, April 17-19, 2008.
47. Bay E, Saint Arnault D, **Sikorskii A**. The significance of gender differences in traumatic brain injury evaluation and treatment. Podium presentation at Midwest Nursing Research Society 32<sup>nd</sup> Annual Research Conference, Indianapolis, IN, March 28-31, 2008.
48. Kintner E, **Sikorskii A**, Clary M, Cook G. Efficacy of the school-based academic and counseling program *Staying Healthy - Asthma Responsible & Prepared*. Podium presentation at American Public Health Association 135<sup>th</sup> Annual meeting, Washington, DC, November 2007.
49. Given B, Given C, **Sikorskii A**, Jeon S. Understanding the mechanisms through which interventions produce symptom responses among cancer patients. Podium presentation at the Council for the Advancement of Nursing National State of the Science Congress, Washington DC, October 2008.
50. Keehne-Miron J, **Sikorskii A**, Given B, Given C. The relationship between symptom severity and chemotherapy protocols for breast and lung cancer chemotherapy patients. Podium presentation at MNRS 31<sup>st</sup> annual research conference, March 2007.
51. Wyatt GK, **Sikorskii A**. Issues in Complementary Therapy Research. Podium presentation at the 9th National Conference on Cancer Nursing Research. Hollywood, CA. Oncology Nursing Society, February 8-10, 2007.
52. Keehne-Miron J, Given B, Given C, **Sikorskii A**, von Eye A. The Association of Pain and Fatigue With Each Other and Their Impact on Physical Functioning Among Adult Chemotherapy Patients. Podium presentation at the 9th National Conference on Cancer Nursing Research. Hollywood, CA. Oncology Nursing Society, February 8-10, 2007.



53. Given B, Given C, **Sikorskii A**, Siddiqi A. How does caregiver and patient age moderate symptom severity at 10 weeks? Podium presentation at GSA 59<sup>th</sup> Annual Scientific Meeting, Dallas, November 2006.
54. Given C, Given B, Jeon S, **Sikorskii A**, Champion V, McCorkle R. A randomized trial comparing a nurse delivered intervention with automated voice intervention for managing symptoms among cancer patients. Podium presentation at the annual Conference of the American Psychosocial Oncology Society, February 2006.
55. Given B, Given C, **Sikorskii A**, Jeon S, Champion V, McCorkle R. Comparing the mechanisms of action through which a nurse delivered and an automated voice intervention system manage symptoms among cancer patients. Podium presentation at the annual Conference of the American Psychosocial Oncology Society, February 2006.
56. Wyatt G, **Sikorskii A**. Methodological issues in complementary therapy research. Podium presentation at 3<sup>rd</sup> International Conference "Multi-disciplinary Advances in Integrative Oncology", Boston, November 2006.
57. Wyatt G, **Sikorskii A**. Methodological issues in complementary therapy research. Podium presentation at the National State of the Science Congress in Nursing Research. Washington DC, October 2006.
58. Wyatt G, **Sikorskii A**, Adams L. Methodological issues in complementary therapy research. Podium presentation at 17<sup>th</sup> International Nursing Research Congress on Evidence-Based Practice, Montreal, Quebec, July 2006.
59. Given C, Given B, **Sikorskii A**, Powers R, McCorkle R, Champion V, Decker V, Decker D. Comparing a nurse delivered cognitive behavioral approach with an education for self-care model delivered by a voice response system. Podium presentation at the American Psychosocial Oncology Society February 2006.
60. Rahbar MH, **Sikorskii A**, Ahmed SE, Jeon S, Gardiner JC. Shrinkage nonparametric estimation of mean survival time from censored data. Podium presentation at 2005 Joint Statistical Meetings. Minneapolis Minnesota August 7-11, 2005.
61. Given B, Given CW, Kozachik S, Jeon S, **Sikorskii A**. The effect of neutropenia on a cognitive behavioral intervention for symptom management. Podium presentation at the Oncology Nursing Society 8<sup>th</sup> National Conference on Cancer Nursing Research, Ft. Lauderdale, FL, February 2005.
62. Given B, Given CW, **Sikorskii A**, Jeon S, McCorkle R. Caregivers of elderly patients with cancer: Assistance with symptoms. Podium presentation at the American Psychosocial Oncology Society 2<sup>nd</sup> Annual Conference, Phoenix, AZ, January 2005.
63. Williams K, **Sikorskii A**. Family matters in individual cancer prevention practices among African American women using National Health Interview Survey. Podium presentation at the 28th Annual Meeting of the American Society of Preventive Oncology, Bethesda, Maryland, March 14-16, 2004.
64. Rahbar M, **Sikorskii A**, Gardiner J. Regression analysis of medical costs with right-censored data in the presence of discrete covariates. Podium presentation at 2003 Joint Statistical Meetings, San Francisco, August 3-7, 2003.
65. **Kepich A**, Leonenko N. On the limit distribution of the correlogram of random field with long-range dependence and unknown mean. Podium presentation at the Conference on Applied Statistics, Odessa, Ukraine, 1995.
66. **Portnova A**, Leonenko N. Limit theorem for correlogram of Gaussian field with long-range dependence. Podium presentation at the Conference on Evolution and Stochastic Systems in Physics and Biology, Katziveli, Ukraine. TVP/VSP. Moscow/Utrecht, 121-127 (1992).
67. **Portnova A**, Kaluski J. The confidence interval for one function of the parameters of normal distribution. Podium presentation at the Conference on Applied Statistics, Odessa, Ukraine 1991.

**Workshops and special presentations:**

1. **Sikorskii, A.** Introduction to Sampling. Workshop for the Center of Statistical Training and Consulting, Michigan State University, January 2017.
2. **Sikorskii A.** Sample size analysis for preparation of grant applications. Day-long workshop for the Center of Statistical Training and Consulting, Michigan State University, June 2016.
3. **Sikorskii, A.** Introduction to Sampling. Workshop for the Center of Statistical Training and Consulting, Michigan State University, January 2016.
4. **Sikorskii A.** Sample size analysis for preparation of grant applications. Day-long workshop for the Center of Statistical Training and Consulting, Michigan State University, June 2015.
5. **Sikorskii A.** Methodology for assessing patient's responses to interventions targeting multiple symptoms. College of Nursing, April 2015.
6. **Sikorskii, A.** Introduction to Sampling. Workshop for the Center of Statistical Training and Consulting, Michigan State University, January 2015.
7. **Sikorskii, A.** Introduction to Sampling. Workshop for the Center of Statistical Training and Consulting, Michigan State University, March 2014.
8. **Sikorskii A.** Sample size analysis for preparation of grant applications. Day-long workshop for the Center of Statistical Training and Consulting, Michigan State University, July 2014.
9. Meerschaert MM, Schilling RL, **Sikorskii A.** Stochastic solutions for fractional wave equations. Quantifying Uncertainty: Probability, Entropy, Disorder (QUPED) seminar, November 4, 2014.
10. **Sikorskii A.** Sample size analysis for preparation of grant applications. Day-long workshop for the Center of Statistical Training and Consulting, Michigan State University, June 2013.
11. **Sikorskii A.** Statistics Refresher. Day-long workshop for the Center of Statistical Training and Consulting, Michigan State University, September 2013.
12. **Sikorskii A.** Sample size considerations for parallel group clinical trials. Presentation at the Measurement and Quantitative Methods seminar, College of Education, Michigan State University, October 2012.
13. **Sikorskii A.** Statistical Methods: Design and Analysis Issues. Invited presentation at the cancer core conference. Breslin Cancer Center, October 2012.
14. Leonenko NN, Meerschaert MM, **Sikorskii A.** Fractional Pearson diffusion. Probability seminar, Department of Statistics and Probability, February 2012.
15. **Sikorskii, A.** Introduction to Sampling. Workshop for the Center of Statistical Training and Consulting, Michigan State University, November 2012.
16. **Sikorskii, A.** Introduction to Sampling. Day-long workshop, Center of Statistical Training and Consulting, Michigan State University, May 2012.
17. **Sikorskii A.** Data management issues: strategies for effective partnership with the statistician. College of Nursing, February 2012.
18. **Sikorskii A,** Wyatt G. The randomized clinical trial of reflexology: Effects on physical function and symptoms for women with advanced breast cancer. Presentation at the Reflexology: An Intervention for Breast Cancer end of study conference. East Lansing, Michigan, April 2011.
19. **Sikorskii A.** The concordance of patient reports of cancer-related symptoms and medical records documentation. Presentation at the Measurement and Quantitative Methods seminar, College of Education, Michigan State University, April 2011.
20. **Sikorskii A.** Intermediate sample size determination for clinical research. Workshop for Michigan State University Center for Statistical Training and Consulting, December 2011.
21. **Sikorskii, A.** Introduction to Sampling. Day-long workshop, Center of Statistical Training and Consulting, Michigan State University, May 2011.
22. **Sikorskii, A.** Data management issues: strategies for effective partnership with the statistician. MSU College of Nursing, February 2011.
23. **Sikorskii A.** The Student subordinator model with dependence for risky asset returns. Presentation at the colloquium of the Department of Statistics and Probability, Michigan State University, February, 2011.

24. Melfi V, **Sikorskii A.** Quantitative Literacy: Objective measurement and student perception. Presentation at MSU Science, Technology, Engineering and Mathematics (STEM) day, October 20, 2010.
25. **Sikorskii A.** Intermediate sample size determination for clinical research. Workshop for Michigan State University Center for Statistical Training and Consulting, November 2010.
26. **Sikorskii, A.** Introduction to Sampling, Center for Statistical Training and Consulting, May 2010 (day-long workshop).
27. **Sikorskii, A.** Methodology for Assessing Patients' Responses to Interventions Targeting Multiple Symptoms. MSU College of Nursing Research Seminar, March 2010.
28. **Sikorskii A.** Intent to Treat Analysis of Clinical Trials. Invited presentation at the MSU College of Nursing Research Seminar, February 19, 2010.
29. **Sikorskii A.** Variance Gamma and Normal Inverse Gaussian risky asset models with dependence through fractal activity time. Presentation at the colloquium of the Department of Statistics and Probability, Michigan State University, February 16, 2010.
30. **Sikorskii A.** Measurement and statistical analysis of symptom burden in cancer. Invited presentation at the Measurement and Quantitative Methods seminar, MSU College of Education, March 2009.
31. **Sikorskii A.** Statistics in oncology: Design and analysis issues in clinical trials. Invited presentation at the cancer core conference, Breslin Cancer Center, February 2009.
32. **Sikorskii A.** Sample Size Determination for Clinical Research. Workshop for Center for Statistical Training and Consulting, Michigan State University, October 2009.
33. **Sikorskii A.** Health numeracy: importance, measurement and evaluation of change. Department of Statistics and Probability, Michigan State University, March 11, 2008.
34. **Sikorskii A.** Conducting interdisciplinary research: Collaboration of a statistician and a health researcher. Invited presentation at the American Statistical Association Mid-Michigan Chapter Fall Meeting, Mt Pleasant, Michigan, October 2008.
35. **Sikorskii A.** Conducting interdisciplinary research: Collaboration of a statistician and a health researcher. Invited presentation at the Department of Mathematics, Central Michigan University, Mt Pleasant, Michigan, October 2008.
36. **Sikorskii A.** Data management issues. Presentation at the MSU College of Nursing Research Seminar. February 15, 2008.
37. **Sikorskii A.** Logistic Regression. Workshop, Center of Statistical Training and Consulting, Michigan State University, January 18, 2008.
38. **Sikorskii A.** Data management issues: strategies for effective partnership with the statistician. MSU College of Nursing seminar for doctoral students, February 14, 2007.
39. **Sikorskii A.** Logistic Regression. Workshop, Center of Statistical Training and Consulting, November 10, 2006.
40. **Sikorskii A.** Data management issues: strategies for effective partnership with the statistician. MSU College of Nursing seminar for doctoral students, March 1, 2006.
41. **Sikorskii A.** Data management issues: strategies for effective partnership with the statistician. MSU College of Nursing Research Seminar, 2005.

**Poster presentations with peer-reviewed abstract submissions:**

1. Lehto, R.H. Wyatt, G., & **Sikorskii, A.** Psychological Distress and Attrition in Patients Receiving Computer-Delivered Supportive Interventions for Symptom Management During Treatment for Advanced Lung Cancer. (2017, February 15-18). Presentation at American Psychosocial Oncology Society 14<sup>th</sup> Annual Conference, Orlando, FL.
2. Wyatt, G., **Sikorskii, A.**, Tesnjak, I., Frambes, D., Holmstrom, A., Lou, Z. Psychosocial Outcomes of a Caregiver Delivered Intervention. (2017, February 15-18). Presentation at American Psycho-social Oncology Society 14<sup>th</sup> Annual Conference, Orlando, FL.

3. Given, C.W., Sikorskii, A., Given, B.A., Krauss, J., Vachon, E., Marshall, V. Predicting death among late stage cancer patients following initiation of oral oncolytic agents. Poster presentation at IPOS Meeting, Dublin Ireland. October 2016.
4. Vachon E, Given CW, **Sikorskii A**, Given BA, Majumder A, Krauss J. Oral Targeted Cancer Drugs: Factors that Explain Drug Treatment Interruptions. Poster presentation at the American Psychosocial Oncology Society 13th annual conference, San Diego CA, March 2-5, 2016.
5. Aizire J, **Sikorskii A**, Ogwang LW, Mallewa M, Familiar-Lopez I, Mutebe A, Dadabhai A, Taha T, Boivin MJ, Fowler MG. Growth at 12 and 24 months-of-age among PROMISE (HIV and ARV) exposed uninfected versus unexposed children in Malawi and Uganda. 8th International Workshop on HIV Pediatrics, 15- 16 July 2016, Durban, South Africa.
6. Familiar I, Collins S, **Sikorskii A**, Ruisenor H, Natamba B, Achidri D, Achola H, Onen D, Boivin M, Young SL. Predictors of neurocognitive outcomes among a cohort of 12-month old infants from Uganda of mixed HIV exposure. 8th International Workshop on HIV Pediatrics, 15- 16 July 2016, Durban, South Africa.
7. Wyatt G, Sikorskii A, Safikhani A, McVary K. Saw Palmetto for symptom management during radiation therapy for prostate cancer. American Psychosocial Oncology Society 13th annual conference, San Diego, March 2-5, 2016.
8. **Sikorskii A**, Wyatt G, Victorson D, Hankin V, Safikhani A. Performance of PROMIS and legacy measures among advanced breast cancer patients and their caregivers. American Psychosocial Oncology Society 13th annual conference, San Diego, March 2-5, 2016.
9. Wyatt G, **Sikorskii A**, Flanigan M, Rahbar H, Victorson D, You M. Home-based involvement in symptom management for advanced breast cancer. MNRS 40<sup>th</sup> annual research conference 40 Years of Advancing Nursing Science, Improving Practice, and Enhancing Health, Milwaukee, Wisconsin, March 17-20, 2016.
10. **Sikorskii A**, Given C, Given B. Survivors in high need for post-treatment symptom management. International Psychosocial Oncology Society (IPOS) and American Psychosocial Oncology Society (APOS) World Congress of Psycho-Oncology, July28 – August 1, 2015, Washington, DC.
11. Weiss J, Chhaya R, Seffen V, **Sikorskii A**, Familiar I, Ruisenor-Escudero H, Nakasujja N, Giordani B, Boivin M. Automated eye tracking technology improves the sensitivity of an early childhood vigilance test (ECVT) of attention in Ugandan children perinatally exposed to HIV. AMA research symposium, Atlanta, GA, November 13, 2015.
12. Chhaya R, Weiss J, Seffen V, **Sikorskii A**, Familiar I, Ruisenor-Escudero H, Nakasujja N, Giordani B, Boivin M. An early childhood vigilance test (ECVT) of attention in preschool-age Ugandan children perinatally exposed to HIV. AMA research symposium, Atlanta, GA, November 13, 2015.
13. Spencer E, Bliss S, Jambulingam N, Ketchum K, Awadu J, **Sikorskii A**, Opoka R, Giordani B, Boivin M. The relationship between physical development and cognitive performance in preschool-age Ugandan children perinatally exposed to HIV. The 12<sup>th</sup> annual AMA Research Symposium, Dallas, TX, November 2014.
14. Bliss S, Spencer E, Kellie Ketchum K, Jambulingam N, Awadu J, **Sikorskii A**, Nakasujja N, Giordani B, Boivin M, Bass J. The relationship between caregiver emotional wellbeing and functionality, and developmental outcomes in preschool Ugandan children exposed to HIV. The 12<sup>th</sup> annual AMA Research Symposium, Dallas, TX, November 2014.
15. Jambulingam N, Spencer E, Bliss S, Ketchum K, Awadu J, **Sikorskii A**, Opoka R, Giordani B, Boivin M. An early childhood vigilance test of attention in preschool-age Ugandan children perinatally exposed to HIV. The 12<sup>th</sup> annual AMA Research Symposium, Dallas, TX, November 2014.
16. Ketchum K, Jambulingam N, Spencer E, Bliss S, Awadu J, **Sikorskii A**, Opoka R, Giordani B, Boivin M. Reduced malaria parasite density as related to early malaria chemoprevention in perinatally HIV-exposed Ugandan children may enhance their cognitive development at preschool age. The 12<sup>th</sup> annual AMA Research Symposium, Dallas, TX, November 2014.

17. Boivin M, Vokhiwa M, **Sikorskii A**, Magen JD, Beare N. Cerebral malaria retinopathy predictors of persisting neurocognitive outcomes in Malawian children. Tenth World Congress on Brain Injury, March 2014, San Francisco, CA.
18. Boivin MJ, Giordani B, Bangirana P, **Sikorskii A**, Nakasujja N, Winn B, Novak B, Opoka RO. Computerized cognitive rehabilitation training can improve neuropsychological outcomes in rural school-age Ugandan children with HIV. Tenth World Congress on Brain Injury, March 2014, San Francisco, CA.
19. Wyatt GK, **Sikorskii A**, Wills C. Testing of a complementary and alternative medicine (CAM) knowledge instrument to aid decision making. 34th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, March 20-23, 2013, San Francisco, CA.
20. **Sikorskii A**, Wyatt GK, Victorson D, Faulkner G, Rahbar MH. Methodological Issues in Trials of Complementary and Alternative Medicine Interventions. ONS Connections Conference, Phoenix, AZ, November 16-18, 2012.
21. Given CW, **Sikorskii A**, Spoelstra S, Given B. Targeting Post-Treatment Survivorship Care for High Need Patients. Poster presentation at the 6th Biennial Cancer Survivorship Research Conference: Translating Science to Care, Arlington, VA, June 2012.
22. Spoelstra S, Given CW, Schutte D, **Sikorskii A**, Given B. Do Elderly Cancer Survivors Have More Pain? A Comparison of Cancer Survivors to Those without Cancer. Poster presentation at the 6th Biennial Cancer Survivorship Research Conference: Translating Science to Care, Arlington, VA, June 2012.
23. Wyatt GK, **Sikorskii A**, Tamkus D, You M. Quality of Life Among Advanced Breast Cancer Patients with and without Metastasis. Poster presentation at the 9<sup>th</sup> Annual Conference of the American Psychological Oncology Society, Miami, February 2012.
24. Tamkus D, Wiese D, **Sikorskii A**, Chivu S, Peddi P, Chitneni S. Endotelin-1 expression in breast cancer tissue, surrounding stroma, correlation with tumor microvessel density and clinical outcome. Poster presentation at the San Antonio Breast Cancer Symposium, December 2011.
25. Leonenko NN, Petherick S, **Sikorskii A**. Normal inverse Gaussian model for risky asset with dependence. Poster presentation at National Bureau of Economic Research (NBER) - National Science Foundation (NSF) conference, September 2011.
26. Talge N, Holzman, C, Senagore P, **Sikorskii A**. Late preterm birth by delivery circumstance and its association with attention problems in childhood. Poster at the Society for Perinatal and Pediatric Epidemiologic Research 24th Annual Meeting, June 2011.
27. Gilliland D, Melfi V, **Sikorskii A**, Corcoran E, Melfi E. Connecting Quantitative Literacy (QL) and Financial Literacy (FL). Poster at MSU Spring Institute on College Teaching and Learning, May 18, 2011.
28. Mijal RS, Holzman CB, Wang JL, Rana S, Karumanchi SA, **Sikorskii A**. The effect of smoking on mid-pregnancy angiogenic marker levels among pregnancies ending in the delivery of small-for-gestational age (SGA) infants. Poster at the 24th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER), Montreal, Quebec, Canada, June 20-21, 2011.
29. Wyatt G, **Sikorskii A**, Ahn S. Self-reported use of Complementary and Alternative Medicine (CAM) therapies while participating in a reflexology longitudinal randomized clinical trial (RCT). Poster presentation at the 8<sup>th</sup> Annual Conference of the American Psychological Oncology Society, Anaheim, CA, February 17-19, 2011.
30. **Sikorskii A**, Sherwood P, Given B, Given C, You M, Prince J. Involvement of Caregivers in the Assistance with the Management of Patients' Symptoms: Symptom, Patient and Caregiver Level Analyses. Poster at NCI Conference Multilevel Interventions in Health Care: Building the Foundation for Future Research, Las Vegas, March 2011.
31. Holzman C, Senagore P, Tian Y, Talge N, **Sikorskii A**. Insights from sub-grouping preterm delivery by placental pathology findings: The example of corticotrophin releasing hormone (CRH) and cortisol

- levels. Poster at March of Dimes- Burroughs Welcome meeting on Preterm delivery, CA, December 6-8, 2010.
32. Mijal R, Holzman C, Rana S, Karumanchi S, Wang J, **Sikorskii A**. Mid-pregnancy levels of angiogenic factors and pathways to preterm delivery. Poster at the Society for Perinatal and Pediatric Epidemiologic Research 23<sup>rd</sup> Annual Meeting, June 2010.
  33. Melfi V, Gilliland D, **Sikorskii A**, Corcoran E, Kaplan J. The Quantitative Literacy of Undergraduate Students. Presentation at MSU's Inaugural Scholarship of Teaching and Learning (SoTL) Symposium, March 2010.
  34. **Sikorskii A**, Song L, Northouse L, Mood D. Development and validation of the short version of Mood's Risk for Distress Scale using classical test theory and item response theory methods. Poster presented at the 7<sup>th</sup> Annual Conference of the American Psychological Oncology Society, New Orleans, LA, February 18-21, 2010.
  35. Wyatt, GK, **Sikorskii A**. *Development and Testing of an Energy Assessment Tool*. Poster presented at the Society for Integrative Oncology Sixth Annual International Conference: Revitalizing Cancer Care. New York, NY, November 12-13, 2009.
  36. Wyatt GK, **Sikorskii A**, & Wills CE. CAM Decision-making among women with breast cancer. Poster presented at the North American Research Conference on Complementary & Integrative Medicine: Collaboration to Promote Scientific Discovery & Health. Minneapolis, MN, May 12-15, 2009.
  37. Bay E, **Sikorskii A**. Neurofatigue following traumatic brain injury: Characteristics and associated factors. Poster at the Council for the Advancement of Nursing National State of the Science Congress, Washington DC, October 2008.
  38. Robbins L, **Sikorskii A**, Hamel L. Comparison of boys' and girls' perceived benefits and barriers to physical activity. Poster at the Council for the Advancement of Nursing National State of the Science Congress, Washington DC, October 2008.
  39. Wyatt G, **Sikorskii A**, Wills C. CAM decision-making among women with breast cancer. Poster at the Council for the Advancement of Nursing National State of the Science Congress, Washington DC, October 2008.
  40. Adams L, Wyatt G, **Sikorskii A**. Designing a successful intervention for complementary therapy research. Poster at Midwest Nursing Research Society 32<sup>nd</sup> Annual Research Conference, Indianapolis, IN, March 28-31, 2008.
  41. Robbins L, Wu T-S, **Sikorskii A**, Morley B, Currier C. Middle school students' perceived benefits and barriers to physical activity. Poster at Society of Behavioral Medicine 28<sup>th</sup> annual meeting, March 2007, Washington DC.
  42. **Sikorskii A**, Given CW, Given B. Assessment of dimensionality properties of interference with quality of life items in M.D. Anderson Symptom Inventory (MDASI). Poster at MD Anderson University of Texas Cancer Center conference "Mechanisms and Treatment of Cancer- Related Symptoms". Houston, TX September 1-12, 2005.
  43. Given CW, Given B, **Sikorskii A**, Jeon S. Use of M.D. Anderson Symptom Inventory (MDASI) to screen patients for entry into symptom management trials: The importance of targeting pain, fatigue, & disturbed sleep for behavioral interventions. Poster at MD Anderson University of Texas Cancer Center conference "Mechanisms and Treatment of Cancer- Related Symptoms". Houston, TX September 1-12, 2005.
  44. Given C, Given B, **Sikorskii A**, Jeon C. Comparing symptom severity using raw scores and Rasch models to assess a cognitive behavioral intervention. Poster at 2nd Annual Conference of the American Psychosocial Oncology Society, January 27-29, 2005, Phoenix, Arizona USA.

### **Teaching:**

Teaching graduate (MS level) statistics and probability courses at Kiev Shevchenko University

Courses taught at MSU: Statistical Methods (STT 200, STT 201), Introduction to Probability and Statistics for Business (STT 315), Probability and Statistics for Engineers (STT 351), Nursing Research Practicum (NUR 940), Issues in Statistical Practice (STT 481), Sampling (STT 825), Stochastic Models in Finance (STT 888), Statistical Problems (STT 890).

STT 200 Online Course Development:

LON-CAPA resources and course structure; exams; computer projects; MyStatLab online homework.

STT 201 Online Course Development:

LON-CAPA resources and course structure; exams; new set of computer laboratory projects.

STT 201 Course Development:

Integrating computational aspects with theory and practice of Statistics; computer laboratory projects that require students to create, store and analyze data using Minitab; problems based on software output in lecture materials, review problems and exams; supplementing content with real-life examples; demonstrating how statistical techniques could be used and how statistical techniques should not be used; online course management system through LON-CAPA; programming problems for laboratory assignments through LON-CAPA, publishing and sharing them with faculty in the Department; training and supervising teaching assistants.

STT 481 Course Development:

Course materials on statistical issues in clinical trials hierarchy of evidence, sample size determination, randomization, superiority, non-inferiority and equivalence trials, logistic regression; developing reading assignments based on Consolidated Standards of Reporting Trials (CONSORT) statement; preparing lectures on developing SAS-based laboratory projects for students to analyze real clinical data.

STT 825 Course Development

Course materials using practical examples including regulatory documents such as IRS revenue procedures for audits; computer laboratory assignments for the selection and analysis of different types of samples.

STT 888 Course Development:

Lecture notes and graded assignments on binomial models, conditional expectation, martingales, Ito calculus, continuous time models.

Lead Teaching Assistant (Course Coordinator) for STT 201 1996-1997 and 1998-1999.

**Service:**

1. Grant review committee, College of Nursing, University of Arizona, 2016-2017.
2. Associate Chair and Undergraduate Director, Department of Statistics and Probability, MSU, 2015-2016.
3. College of Natural Science Representative on the Women's Organizational Coordinating Council, 2015-2016.
4. Chair of the Specialist Search Committee, 2015-2016.
5. Member of the Search Committee for STEM Education GII search, 2015-2016.
6. Organizer, interdisciplinary research forum "Challenges of big data in health care", April 2016.
7. Member of the Major Curriculum Committee, 2015-2016.
8. Member of the 2PC for Heng Wang (joint with Lyman Briggs College), 2014-2016.
9. Member of the Service Course Committee, 2014-2015.

10. Member of the Chair Search Committee, 2014-2015.
11. Chair of the Responsible Conduct of Research Committee, 2011-2014.
12. Implementation of the plan for responsible conduct of research training of graduate students (two presentations with face-to-face discussion), 2010-2015.
13. Preparation of TLE proposal, 2015.
14. Chair of the Service Course Committee, 2008-2009, 2011-2014.
15. Member of the subcommittee of the Graduate Support Committee on recruitment of minority and diverse domestic graduate students, 2013-2015.
16. Member of the Faculty Search Committee, 2014.
17. Chair of the Search Committee for actuarial faculty position, 2012-2013.
18. Member of the Advisory Board, Center for Statistical Training and Consulting, Michigan State University, 2009-present.
19. Preparing plan for responsible conduct of research training of graduate students, 2009.
20. Chair of the Master's Program Subcommittee of the Major Curriculum Committee, Department of Statistics and Probability, Michigan State University, 2009-2010.
21. Member of Research Quality Assurance Committee to oversee protocol rigor for the implementation of funded NIH grants, MSU College of Nursing, 2011-2016.
22. Member of the Faculty Advisory Committee, Department of Statistics and Probability, Michigan State University, 2008-2013.
23. Secretary of the Faculty Advisory Committee, Department of Statistics and Probability, Michigan State University, 2009-2010.
24. Designing minor in Statistics, 2009.
25. Redesigning Master's program in Statistics, 2009.
26. Preparing a proposal for technology updates of classrooms in Wells Hall, 2008.
27. Member of Operations Committee, Data Coordinating Center, Michigan State University, 2002 – 2005.
28. Graduate student representative on the Advisory Committee, Department of Statistics and Probability, Michigan State University, 1996-1998.

## **Student Advising**

### **As a thesis committee chair or co-chair:**

1. A. Safikhani (with Y. Xiao), graduated in 2015.
2. I. Tesnjak, graduated in 2017.

### **As a thesis committee member or advisor on research projects:**

1. Member of the Doctoral Dissertation Committee for A. Banik, PhD student in Statistics and Probability, 2016-present.
2. Member of the Doctoral Dissertation Committee for A. Majumder, PhD student in Statistics and Probability, 2016-2017.
3. Advisor of thesis and supervisor of the ½ time graduate research assistantship of I. Tesnjak, PhD student in Statistics and Probability, 2012-present (supported by my NIH grant).
4. Co-advisor of thesis and supervisor of A. Safikhani, PhD student in Statistics and Probability, on the CTSI projects “Saw Palmetto during Radiotherapy for Prostate Cancer” and “Mindfulness Therapy for Individuals with Lung Cancer”, 2013-2015 (supported by my CTSI grants)
5. Supervisor of the ½ time graduate research assistantship of A. Majumder, PhD student in Statistics and Probability, 2013-present (supported by my NIH grants).
6. Advisor and supervisor of research assistantship of A. Banik, PhD student in Statistics and Probability, 2014-present (supported by my NIH grant).



7. Supervisor of the ½ time graduate research assistantship of L. Wang, PhD student in Statistics and Probability, 2012 (supported by my NIH grants).
8. Supervisor of the ½ time graduate research assistantship of C. Bhan, PhD student in Statistics and Probability, 2009-2010 (supported by my NIH grant).
9. Supervisor of Professorial Assistantship of J. Tuohey, undergraduate Statistics major, MSU, 2008-2009.
10. Supervisor of R. Shi, Master's student in the Department of Statistics and Probability on the analysis of Quantitative Literacy data, 2009.
11. Supervisor of graduate research assistantship of Z. Zhou, Master's student, Department of Statistics and Probability, MSU, 2008.
12. Supervisor of research aide Y. Chen, Master's student, Department of Statistics and Probability, MSU, 2008.
13. Supervisor of graduate teaching assistantships (in STT 200-201, 2008-present) of A Banik, Q. Wang, P. Geng, G. Shi, Q. Yan, Y. Zhou, C. Wang, Z. Zhang, Y. Xue.
14. Academic advising (since 2008) of H. Kwon, M. Lee, Y. Liang, C. Wei, S. Zhang, A. Majumder, I. Tesnjak, A. Banik, W. Han, Y. Tian, H. Wang, H. Lee, L. Meng, Y. Li, Jia Y, J. Wang, Q. Wang, X. Shen.
15. Member of the Doctoral Guidance Committee of V. Marshall, PhD student in Nursing, 2015-present.
16. Member of the Doctoral Guidance Committee of D. Frambes, PhD student in Nursing, 2013-2016.
17. Member of the Doctoral Guidance Committee of S. Boylan, PhD student in Nursing, 2011-2012.
18. Member of Doctoral Dissertation Committee of S. Spoelstra, PhD student in Nursing, College of Nursing, MSU, 2009-2010.
19. Member of Doctoral Dissertation Committee of J. Keehne-Miron, PhD student in Nursing, College of Nursing, MSU, 2005-2007.
20. Member of Academic Guidance Committee of C. Fournier, PhD student in Nursing, College of Nursing, MSU, 2005-2006.
21. Supervisor of graduate research assistantship and Research Practicum of L. Adams, PhD student, College of Nursing, MSU, 2007-2008.
22. Member of the Doctoral Guidance Committee of D. Reyes-Gastelum, College of Education, 2009-2012.
23. Member of Masters Dissertation Committee of J. Wang, Master's student in the Department of Epidemiology, MSU, 2006-2007.
24. Supervisor of S. Jorgensen, PhD student in College of Human Medicine on the project "Systematic Review of Patient-Centered Care Interventions" funded by the World Health Organization, 2009.
25. Supervisor of the graduate research assistantship of H. S. An, PhD student in Forestry on the project "Reflexology: An Intervention for Advanced Breast Cancer" funded by NIH, 2007-2009.
26. Advising of N. Talge, post-doctoral fellow in the Department of Epidemiology on the resubmission of fellowship application to NIH, 2009-2010.
27. Advising of M. Shroff, post-doctoral fellow in the Department of Epidemiology on measurement and analysis of distress construct, 2009-present.
28. Advising of L. Mudd, post-doctoral fellow in the Department of Epidemiology, 2009-2010.
29. Advising of R. Mijal, post-doctoral fellow in the Department of Epidemiology, 2009-2010.
30. Supervisor of graduate research assistantship of S. Jeon, PhD student, Department of Epidemiology, MSU, 2006-2008.
31. Supervisor of graduate research assistantship of A. Siddiqi, PhD student, Department of Epidemiology, MSU, 2007-2008.

### **Visitors and postdocs:**

1. N. N. Leonenko, Cardiff University, UK (2010, 2011, 2012).
2. D. Grahovac, University of Osijek, Croatia (2015).
3. M. Veretennikova, University of Warwick, UK (2015-2016).

## **Outreach and Consulting:**

Consulting on the Imperial Score, Imperial College London, 2016.

Collaboration on interventions for the participants of the Women, Infants and Children (WIC) program and their evaluation, 2015-present.

Collaboration with the Knee Society Score Task Force on psychometric testing and validation of the new Knee Society Score Instrument (2009-present).

Collaboration with the Hip Society on development and psychometric testing of the new Hip Society Score Instrument (2013-present).

Collaboration with D. Tamkus, MSU College of Human Medicine and Breslin Cancer Center physicians on the project “Endothelin-1 expression in breast cancer tissue: Correlation with tumor angiogenesis and clinical outcome”, 2011.

Member of the expert panel voting on the Core Criteria of the International Patient Decision Aid Standards (IPDAS), 2010.

Collaboration with L. Northouse (University of Michigan), L. Song (University of North Carolina), D. Mood, (Wayne State University and Karmanos Cancer Institute) on development and validation of the short form of Mood’s Risk for Distress Scale using classical test theory and item response theory methods, 2009-2010.

Collaboration with MSU College of Human Medicine faculty and Breslin Cancer Center physicians on preparing protocol of a study entitled “An effect of vitamin D2 (Ergocalciferol) supplement on estrogen level during letrozole therapy in early stage breast cancer patients – A pilot study”, 2009.

Collaboration with MSU Mathematics faculty and specialists on redesigning courses for the K-12 programs that the Department of Mathematics is involved in (Cooperative Highly Accelerated Mathematics Program (CHAMP), Mathematics for Elementary Teachers) to address the new Michigan High School Content Expectations (HSCE), 2007-2008.

Reviewing undergraduate statistics textbooks, 2000-present.

Consultant on mortgage note acquisition project, First of North America Bank, 1999.