

Julia N. Soulakova, PhD
Department of Population Health Sciences
College of Medicine
University of Central Florida

Address: 6900 Lake Nona Blvd. Orlando, FL, 32827
Email: julia.soulakova@ucf.edu

Phone: (407) 266-7072
Website: <https://med.ucf.edu/biostatistics/>

Education

Ph.D. in Statistics, Department of Statistics, University of Pittsburgh (PITT), USA, July 2006

M.A. in Mathematical Statistics, Department of Mathematics, Wayne State University (WSU), USA, May 2001

B.S. in Applied Mathematics, Department of Computational Mathematics and Cybernetics, Moscow State University, Russia, June 1998

Professional Experience – Primary

Professor of Medicine (with Tenure), Population Health Sciences, College of Medicine, University of Central Florida (UCF), August 2021–current

Graduate Faculty, Burnett School of Biomedical Sciences, College of Medicine, UCF, April 2020–current

Biostatistician at the Office of Associate Dean for Research, College of Medicine, UCF, August 2016–current

Associate Professor of Medicine (with Tenure), Population Health Sciences (April 2020–August 2021), Burnett School of Biomedical Sciences (August 2016–April 2020), College of Medicine, UCF

Associate Professor (with Tenure), Department of Statistics, University of Nebraska–Lincoln (UNL), August 2012–August 2016

Assistant Professor, Department of Statistics, UNL, August 2006–August 2012

Professional Experience – Secondary

Tobacco Treatment Specialist, UCF Student Health Services, February–December 2020

Statistical Consultant, University of Nevada–Las Vegas, School of Nursing, May 2012–August 2016

Courtesy Associate Professor, Survey Research and Methodology Program, UNL, April 2013–August 2015

Faculty Affiliate and Consultant, Advisory Board Member, Survey, Statistics and Psychometrics Core Research Facility, UNL, August 2006–May 2013

Statistical Expert/Consultant, Bayer Healthcare Pharmaceuticals Inc., Bayer Schering Pharma, November 2009–November 2012

Summer Visiting Researcher, Cancer Control and Population Sciences Division, National Cancer Institute, U.S. National Institutes of Health (NIH), May 2008–August 2008

Graduate Student Researcher, Behavioral Medicine Group, Western Psychiatric Institute and Clinic, University of Pittsburgh Medical Center, January 2005–August 2006

Statistical Consultant, Center for Statistics, Department of Statistics, University of Pittsburgh, September 2002–May 2003

Awards, Scholarships and Honors

- **Elected 2023-24 Education Officer, Survey Research Methods Section of the American Statistical Association**, May 2022
- **Highlight Article** for *Experimental Biology and Medicine* March 2022 Issue, featured paper Zhang, L., Patel, S., Soulakova, J.N., Caldwell, C., and St. Pierre Schneider, B. (2021). Mild Hypobaric Hypoxia Influences Splenic Proliferation During the Later Phase of Stress
- **2021 Innovative Teaching Award**, UCF College of Medicine, November 2021
- **2021-2025 Standing Member (Grant Reviewer), Health Care Research Training Section**, Agency for Health Research and Quality, US DHHS, elected September 2021
- **2020 Summer Faculty Development Conference: Diversity Track Fellowship** to provide support for attending the conference and completing a project, UCF, May 2020 (was selected for the fellowship but the event was cancelled due to COVID-19)
- **2019 Bayesian Causal Inference Workshop Travel Award** to attend the Workshop and present a poster by Ha, T. and Soulakova, J.N., awarded to Ha, T. by The Mathematical Biosciences Institute, June 2019
- **Elected 2019-21 Council of Section Representative, Survey Research Methods Section of the American Statistical Association**, April 2019
- **2018 Summer Faculty Development Conference: Diversity Track Fellowship** to provide support for attending the conference and completing a project, UCF, May 2018
- **2018-2019 University of Central Florida Preeminent Postdoctoral Program** award to provide partial support for a post-doctoral scientist, UCF, December 2018
- **Distributed Learning Fellowship for Online Course Development**, Center for Distributed Learning, UCF, May 2018
- **First Place in Social Science Section, 2017 McNair Scholars Research Conference at Florida International University** for oral presentation *Parental race/ethnicity and prevalence of smoke-free homes in single-parent households; analyses of 2010-11 and 2014-15 Tobacco Use Supplement*, Selena Leonardo, Yujiao Mai, Trung Ha, and Julia N. Soulakova; awarded to Selena Leonardo, Miami, FL, October 2017
- **2017 University of Central Florida Showcase of Undergraduate Research Excellence Judges' Choice Winner Award** for the poster *Behavioral Interventions for Smoking Cessation Used by Daily Smokers*, Leonardo, S., Tang, C.Y. and Soulakova, J.N., awarded to Leonardo, S., UCF, April 2017
- **2017-2018 University of Central Florida Preeminent Postdoctoral Program** award to provide partial support for a post-doctoral scientist, UCF, November 2016
- **Elected 2016-18 Council of Section Representative, Survey Research Methods Section of the American Statistical Association**, May 2016
- **2016 University of Nebraska Ten-Year Service Award**, UNL, Fall 2016
- **2015 NIH Regional Seminar Travel Award**, IANR, UNL, May 2015
- **Survey Research and Methodology Program Faculty Travel Award**, March 2015
- **College of Arts & Sciences International Travel for Scholarly Presentations–Summer 2015 Travel Award**, April 2015

- **Survey Research Methods Section Best Poster Presentation Award for *On Simultaneous Interval Estimating the Relative Prevalence of Forward Shifting in Reported Regular Smoking Initiation Age* by Bright and Soulakova**, 2013 Joint Statistical Meetings, August 2013.
- **REACH for Commercialization: A Workshop for Women Faculty and PostDocs in STEM Travel Award**, Ohio State University, September 2012
- **Peer Review of Teaching Project “Preparing a Course Portfolio” Scholarship**, UNL, May 2012
- **2011 University of Nebraska Five-Year Service Award**, UNL, Fall 2011
- **2010 Charles C. Slater Award: Journal of Macromarketing Best Article Award in Volumes 28 and 29 for *The Cross-National Market in Human Beings*** by Pennington, Ball, Hampton and Soulakova, 2009
- **2006 SRA Graduate Student Travel Award**, Society for Risk Analysis, Annual Meeting, September 2006
- **Best Senior Graduate Student Award in Department of Statistics**, Department of Statistics, Pitt, April 2006
- **Best Junior Graduate Student Award in Department of Statistics**, Department of Statistics, Pitt, April 2003
- **Book Center Scholarship Award**, Pitt, Spring 2002 **2000 Industrial Mathematics Modeling Workshop Graduate Scholarship**, Department of Mathematics, North Carolina State University-Raleigh and Center for Research in Scientific Computation, Summer 2000

Grants and Contracts

Research Grant: Co-targeting FAK and PI3K for NF2 Schwannomas

(PI: Dr. Fernandez-Valle, Burnett School of Biomedical Sciences, University of Central Florida)

Grant Period: 7/1/2018 - 6/30/2023; Grant Type: Research

Granting Agency: National Institute Of Neurological Disorders And Stroke, NIH, DHHS; Role: co-Investigator; \$8,543; total is \$462,161.

Research Grant: Preclinical Testing of PI3K Inhibitors for Vestibular Schwannomas

(PI: Dr. Fernandez-Valle, Burnett School of Biomedical Sciences, University of Central Florida)

Grant Period: 7/1/2018 - 6/30/2023; Grant Type: Research

Granting Agency: National Institute on Deafness and Other Communication Disorders, NIH, DHHS; Role: co-Investigator; \$43,680; total is \$3,096,432.

Research Grant: Implication of a novel long noncoding RNA in therapy resistant prostate cancer with altered AR signaling

(PI: Dr. Chakrabarti, Burnett School of Biomedical Sciences, University of Central Florida)

Grant Period: 3/1/2019 - 2/28/2021; Grant Type: Research

Granting Agency: National Cancer Institute, NIH, DHHS; Role: co-Investigator; \$3,148; total is \$364,999.

Research Grant: The Effect of Hypobarica on Muscle Inflammation and Regeneration After Injury and Hemorrhagic Shock (PI: Dr. St Pierre Schneider, School of Nursing, University of Nevada–Las Vegas)

Grant Period: 08/12/2016-02/26/2021; Grant Type: Research

Granting Agency: U.S. Department of Defense; Role: co-Investigator; \$282,076; total is \$5,558,801.

Research Grant: Senescence cells as a source of pro-aging miR-146a
(PI: Dr. Masternak, Burnett School of Biomedical Sciences, University of Central Florida)
Grant Period: 9/1/2019 - 8/31/2020; Grant Type: Research
Granting Agency: National Institute on Aging, NIH, DHHS; Role: co-Investigator; \$3,620; total is \$307,500.

Research Grant: Evaluating racial and ethnic disparities in the success of national health care efforts to promote smoking cessation (R01 Grant # 1R01MD009718-01)
Grant Period: 07/07/2015 - 02/28/2020; Grant Type: Research
Granting Agency: NIMHD, DHHS; Role: PI; \$554,392.

Research Grant: Crohn's Disease Research Initiative Award.
Grant Period: 12/1/2017 - 12/1/2018; Grant Type: Research
Granting Agency: College of Medicine, University of Central Florida; Role: PI; \$20,000.

Research Grant: Zika Virus Activation and Inhibition of Human Complement Immunity (PI: Dr. Parks, Burnett School of Biomedical Sciences, University of Central Florida)
Grant Period: 3/1/2017 - 8/31/2018; Grant Type: Research
Granting Agency: Florida Department of Health; Role: co-Investigator; \$16,800; total is \$531,820.

Research Contract/Sub-award: Bioinformatics Data Analysis of the Study "Estrogen Effects After a Crush Muscle Injury and Acute Exposure to Hypobaric Hypoxia" (PI: Dr. St Pierre Schneider, School of Nursing, University of Nevada-Las Vegas; Grant Period: 08/23/2010-09/22/2014)
Contract Period: 08/01/2013-07/31/2014; Grant Type: Research
Granting Agency: U.S. Department of Defense Awarded to the School of Nursing, University of Nevada - Las Vegas; Role: PI on the Contract; \$16,000; total is \$2,263,979.

Research Grant: Investigating degree of quality of national data on self- and proxy-reported smoking behaviors; Reliability Analysis of 2002-2003 Tobacco Use Supplement to the Current Population Survey (R03 Grant # 1R03CA165831-01)
Grant Period: 09/20/2012 - 08/31/2014; Grant Type: Research
Granting Agency: NIH, DHHS; Role: PI; \$108,232.

Research Contract: Performing Statistical Analyses of Law School Scholarship Data
Grant Period: 03/01/2012 - 04/15/2013; Grant Type: Collaboration/Consulting
Granting Agency: UNL, Institutional Research and Planning; \$2,000.

Research Contract: Development of Reliability of Tobacco Use Supplement to the Current Population Survey Measures (Grant # HHSN261200900395P)
Grant Period: 07/15/2009 - 05/15/2010; Grant Type: Research
Granting Agency: Division of Cancer Control and Population Sciences, National Cancer Institute, NIH, DHHS; Role: PI; \$24,446

Research Grant: Layman Award
Grant Period: 09/01/2009-09/01/2010; Grant Type: Research
Granting Agency: UNL; Role: PI; \$10,000.

Researching Undergraduate Communications

Grant Period: 03/01/2007 - 05/15/2008; Grant Type: Research/Creative Activity

Granting Agency: ITLE-Foundation Fund; Role: Co-Investigator; \$16,000

2008 Summer Visiting Researcher Award: Tobacco Use Supplement to the Current Population Survey Data Analysis (Grants # HHSN261200800402P and HHSN261200800418P)

Grant Period: 05/15/2008 - 08/15/2008; Grant Type: Research

Granting Agency: Division of Cancer Control and Population Sciences, National Cancer Institute, NIH, DHHS; Role: PI; \$30,000.

Teaching Experience

- Statistics for Biomedical Scientists (GMS 6860, graduate): Fall 2018 and 2019 (mixed-mode), Fall 2020, 2021 and 2022 (online), Spring 2023 (mixed-mode); UCF
- Focused Inquiry and Research Experience Module for First-Year Medical Students: Introduction to Biostatistics for Medical Students, mixed-mode, Fall 2022-Spring 2023; UCF
- Biostatistical Methods (STA 4173, undergraduate): mixed-mode course, Fall 2018; UCF
- Intro to Survey Sampling (STAT 414, undergraduate). Spring 2008, 2010, 2012; UNL
- Survey Sampling (STAT 804, graduate), every Fall in 2007-12; Spring 2014; UNL
- Intro to Mathematical Statistics (STAT 880, graduate), Fall 2012, 2013; UNL
- Survival Analysis (STAT 876, graduate), Spring 2007, 2009, 2011, 2013, 2015; UNL
- Statistics and Applications (STAT/MATH 380, undergraduate), Fall 2006, 2007, 2008, 2009, 2010, 2013, 2014 (two large sections), 2015 (two large sections); Spring 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014 (double section); Summer 2011, 2012; UNL
- Introduction to Statistics (STAT 218, undergraduate), Spring 2016; UNL
- Statistics and Probability for Business (STAT 1100, undergraduate), Summer 2004; PITT
- Introduction to Statistics (STAT 200, undergraduate), Fall 2004; PITT
- Algebra with Trigonometry (MAT 1050, undergraduate), Summer 1999; WSU
- Beginning Algebra (MAT 0993, undergraduate), Spring 2000, Fall 2001; WSU

Peer-Reviewed Publications

1. Zhang, L., Voss, J., **Soulakova, J.N.**, and St. Pierre Schneider, B. (2023). Effects of Hypobaric Hypoxia During a Simulated Ultra-long-haul Flight on Inflammation and Regeneration After Muscle Trauma and Muscle Trauma-Hemorrhagic Shock. *Muscle and Nerve*. Available online at <http://doi.org/10.1002/mus.27795>
2. **Soulakova, J.N.**, Crockett, L.J., Schmidt-Owens, M., Schrimshaw, E.W. (In press) Pandemic-Related Stress Among U.S. College Students: Disparities by Gender Identity, Race/Ethnicity and Sexual Orientation. *Annals of LGBTQ Public and Population Health*.
3. Zhang, L., Patel, S., **Soulakova, J.N.**, Caldwell, C., and St. Pierre Schneider, B. (2021). Mild Hypobaric Hypoxia Influences Splenic Proliferation During the Later Phase of Stress, *Experimental Biology and Medicine*. doi: 10.1177/15353702211060775.
4. **Soulakova, J.N.**, Crockett, L.J., Schmidt-Owens, M., Schrimshaw, E.W. (2021) Stress and Substance Use During the COVID-19 Pandemic Lockdown Among College Students in the United States. *Journal of Addictive Behaviors, Therapy & Rehabilitation* 10:9.

5. Hasan, Md, Ganapathy, K., Sun, J., Khatib, A., Andl, T., **Soulakova, J.N.**, Coppola, D., Zhang, W., and Chakrabarti, R. (2021). LncRNA PAINT is Associated with Aggressive Prostate Cancer and Dysregulation of Cancer Hallmark Genes. *International Journal of Cancer*. <https://doi.org/10.1002/ijc.33569>
6. Gomez, C., Goponenko, A.V., and **Soulakova, J.N.** (2021). Constructing UpSet Plot for Survey Data with Weights Using SAS and R Software. *Communications in Statistics: Simulation and Computation*. <https://doi.org/10.1080/03610918.2021.1904142>
7. **Soulakova, J.N.** and Ha, T. (2020). On Statistical Assessments of Racial/Ethnic Inequalities in Cigarette Purchase Price Among Daily Smokers in the United States: Non-Hispanic Whites Pay Least. Chapter in "Confidence Regions - Applications, Tools and Challenges of Estimation" edited by Dr. Jan Peter Hessling. IntechOpen, London, UK. DOI: 10.5772/intechopen.93380. Available at <https://www.intechopen.com/online-first/on-statistical-assessments-of-racial-ethnic-inequalities-in-cigarette-purchase-price-among-daily-smo>
8. **Soulakova, J.N.**, Su, L.-C., and Crockett, L.J. (2020). Smokers' Reports on Receiving a Doctor's Advice to Quit Smoking: Receiving the Advice is More Prevalent Among Smokers with Crohn's Disease Relative to Smokers with Ulcerative Colitis. *Preventive Medicine Reports*, doi:10.1016/j.pmedr.2020.101091
9. Zhang, L., **Soulakova, J.N.** and St. Pierre Schneider, B (2019). Mild Hypobaric Hypoxia Effects on Murine Skeletal Muscle Morphology and Macrophages and Well-being. *Aerospace Medicine and Human Performance* 90 (12):1050-1054
10. Mai, Y., Ha, T. and **Soulakova, J.N.** (2019). Workplace Smoking Restrictions and Support for Smoking Cessation in the USA: State, Region, and Overall Trends from 2010–11 to 2014–15. *Journal of Smoking Cessation*, 1-10. doi:10.1017/jsc.2019.10
11. Owens, V., Ha, T. and **Soulakova, J.N.** (2019). Widespread Use of Flavored e-Cigarettes and Hookah Tobacco in the United States. *Preventive Medicine Reports* 11:290-296.
12. Pham, T., Ha, T. and **Soulakova, J.N.** (2019). Design-Based Single-Mediator Approach for Complex Survey Data. *Communications in Statistics: Simulation and Computation*. doi: 10.1080/03610918.2019.1568472
13. Mai, Y., Ha, T. and **Soulakova, J.N.** (2019). Multi-mediation Method with Balanced Repeated Replications for Analysis of Complex Surveys. *Structural Equation Modeling: A Multidisciplinary Journal* 26(5): 678-684, DOI: 10.1080/10705511.2018.1559065
14. Fuse, M.A., Dinh, C.T., Vitte, J., Kirkpatrick, J., Mindos, T., Klingeman Patti, S., Young, J.I., Huang, J., Carlstedt, A., Franco, M.C., Nagamoto, J., Brnjos, K., Petrilli, A., Copik, A.J., **Soulakova, J.N.**, Bracho, O., Yan, D., Mittal, R., Shen, R., Telischi, F.F., Morrison, H., Giovannini, M., Liu, X.Z., Chang, L.S., and Fernandez-Valle, C. (2019). Preclinical Assessment of MEK1/2 Inhibitors for Neurofibromatosis Type 2-Associated Schwannomas Reveal Differences in Efficacy and Drug Resistance Development. *Neuro-oncology* 21(4): 486-497
15. **Soulakova, J.N.**, Pack, R. and Ha, T (2018). Patterns and Correlates of Purchasing Cigarettes on Indian Reservations Among Daily Smokers in the United States. *Drug and Alcohol Dependence* 192: 88-93
16. Miller, M., Shehat, M., Alcedo, K., Spinel, L., **Soulakova, J.N.** and Tigno-Aranjuez, J. (2018). RIP2 Promotes House Dust Mite-induced Allergic Airway Inflammation. *Journal of Leukocyte Biology, Frontline Science Section, Leading Edge Research* 104(3): 447-459
17. Ha, T. and **Soulakova, J.N.** (2018). Importance of Adjusting for Multi-Stage Design when Analyzing Data from Complex Surveys. *International Chinese Statistical Association Book Series*

in Statistics: Frontier of Biostatistics and Bioinformatics. Chapter 12: 257-268 in Editors Yichuan Zhao and Ding-Geng Chen. Springer Nature Switzerland AG. ISBN 978-3-319-99389-8

18. **Soulakova, J.N.**, Pham, T., Owens, V. and Crockett, L.J. (2018). Prevalence and Factors Associated with Use of Hookah Tobacco Among Young Adults in the U.S. *Addictive Behaviors* 88: 21-25
19. Mai, Y. and **Soulakova, J.N.** (2018). Retrospective Reports of Former Smokers: Receiving Doctor's Advice to Quit Smoking and Using Behavioral Interventions for Smoking Cessation in the United States. *Preventive Medicine Reports* 11:290-296
20. **Soulakova, J.N.**, Tang, C-Y., Leonardo, S. and Taliaferro, L.A. (2018). Motivational Benefits of Social Support and Behavioral Interventions for Smoking Cessation. *Journal of Smoking Cessation*. 1-11. doi:10.1017/jsc.2017.26
21. Mai, Y., Leonardo, S. and **Soulakova, J.N.** (2018). Smoke-free Homes among Single-parent Families: Differences Associated with Parental Race/ethnicity and Smoking Behaviors. *Preventive Medicine Reports* 9:18-23. Available online at <http://www.sciencedirect.com/science/article/pii/S2211335517301778>
22. **Soulakova, J.N.** and Crockett, L.J. (2018). Level of Cigarette Consumption and Duration of Smoking Abstinence during Failed Quit Attempts among Long-Term Daily Smokers: The Role of Race/Ethnicity and Cessation Aids. *Journal of Racial and Ethnic Health Disparities* 5: 293-303 doi: 10.1007/s40615-017-0370-0
23. Fuse, M.A., Plati, S.K., Burns, S.S., Dinh, S.T., Bracho, O., Yan, D., Mittal, R., Shen, R., **Soulakova, J.N.**, Copik, A.J., Liu, X.Z., Telischi, F.F., Chang, L.S., Franco, M.C. and Fernandez-Valle, C. (2017). Combination Therapy With c-Met and Src Inhibitors Induces Caspase-Dependent Apoptosis of Merlin-Deficient Schwann Cells and Suppresses Growth of Schwannoma Cells. *Molecular Cancer Therapeutics* 16(11): 2387-2398
24. **Soulakova, J.N.** and Danczak, R.R. (Invited, 2017). Impact of Menthol Smoking on Nicotine Dependence for Diverse Racial/Ethnic Groups of Daily Smokers. *Healthcare* 5(1) DOI: [10.3390/healthcare5010002](https://doi.org/10.3390/healthcare5010002)
25. **Soulakova, J.N.**, Li, J. and Crockett, L.J. (2017). Race/ethnicity and Intention to Quit Cigarette Smoking. *Preventive Medicine Reports* 5: 160-165
26. **Soulakova, J.N.** (2017). Generalized Confidence Intervals Compatible with the Min Test for Simultaneous Comparisons of One Subpopulation to Several Other Subpopulations. *Communications in Statistics: Theory and Methods* 46(19): 9441-9449
27. **Soulakova, J.N.** and Crockett, L.J. (2017). Unassisted Quitting and Smoking Cessation Methods Used in the US: Analyses of 2010-2011 Tobacco Use Supplement to the Current Population Survey Data. *Nicotine and Tobacco Research* 20(1):30-39. Published on-line in 2016. DOI:10.1093/ntr/ntw273
28. Bright, B. and **Soulakova, J.N.** (2016). Evaluating the performance of Simultaneous Stepwise Confidence Intervals for the Difference between Two Poisson Rates. *Communications in Statistics: Simulation and Computation* 45(7): 2338-2361
29. **Soulakova, J.N.**, Bright, B. and Crockett, L.J. (2015). Perception of Time since Smoking Cessation: Time in Memory Can Elapse Faster. *Journal of Addictive Behaviors, Therapy & Rehabilitation* 4(4). doi:10.4172/2324-9005.1000145
30. **Soulakova, J.N.**, Huang, H. and Crockett, L.J. (2015). Racial/ethnic Disparities in Consistent Reporting of Smoking-related Behaviors. *Journal of Addictive Behaviors, Therapy & Rehabilitation* 4(4). doi:10.4172/2324-9005.1000147

31. Nicholas, J., Voss, J., Tsuji, J., Fulkerson, N., **Soulakova, J.** and St Pierre Schneider, B. (2015). Time Course of Chemokine Expression and Leukocyte Infiltration after Crush Muscle Injury in Mice. *Innate Immunity* 21(3): 266-274
32. Bright, B. and **Soulakova, J.N.** (2015). Wald-type Testing and Estimation Methods for Asymmetric Comparisons of Poisson Rates. *Statistics in Biopharmaceutical Research* 7(1): 1-11
33. Bright, B. and **Soulakova, J.N.** (2014). Evidence of Telescoping in Regular Smoking Onset Age. *Nicotine and Tobacco Research* 16(6): 717-724
34. **Soulakova, J.N.** and Crockett, L.J. (2014). Consistency and Recanting of Ever-smoking Status Reported by Self and Proxy Respondents One Year Apart. *Journal of Addictive Behaviors, Therapy & Rehabilitation* 3(1)
35. **Soulakova, J.N.**, Bright, B. and Crockett, L.J. (2013). On Consistency of Self and Proxy-reported Regular Smoking Initiation Age. *Journal of Substance Abuse and Alcoholism* 1: 1001-1007
36. **Soulakova, J.N.** and Bright, B. (2013). Applications of Asymptotic Confidence Intervals with Continuity Corrections for Asymmetric Comparisons in Non-inferiority Trials. *Pharmaceutical Statistics* 12(3): 147-155
37. **Soulakova, J.N.** and Luo, L. (2013). Large Sample Tests for Simultaneous Comparison to Multiple Controls in Terms of Binomial Proportions. *Journal of Biopharmaceutical Statistics* 23(3): 1-16
38. **Soulakova, J.N.**, Hartman, A.M., Liu, B., Willis, G.B. and Augustine, S. (2012). Reliability of Adult Self-Reported Smoking History: Data from the Tobacco Use Supplement to the Current Population Survey 2002-2003 Cohort. *Nicotine and Tobacco Research* 14(8): 952-960
39. S.V.R.K., Prabhakar, Iwata, Y., Shaw, R., **Soulakova, J.** and Takeyuchi, Y. (2012). Climate Change Implications for Disaster Risk Management in Japan: A Case Study on Perceptions of Risk Management Personnel and Communities in Saijo City. *Environmental Hazards* 11(1): 16-37
40. **Soulakova, J.N.** and Sampson, A.R. (2012). Expected Loss Functions as Additional Measures to Assess Performance of Multiple Testing Procedures for Combination Drug Dose Finding. *Pharmaceutical Statistics* 11 (3): 250-257
41. **Soulakova, J.N.** and Roy, A. (2012). On Power Approximations and Comparison of Several Asymptotic Tests to Detect a Specified Difference between Two Proportions. *Communications in Statistics: Simulation and Computation* 41(3): 376-390
42. **Soulakova, J.N.**, Sampson, A.R., Jia, G. and Gleser, L.J. (2012). Simultaneous Confidence Bands for Comparisons to Placebo, with Application to Detecting the Minimum Effective Dose. *Journal of Biopharmaceutical Statistics* 22(1): 93-108. DOI: 10.1080/10543406.2010.504905
43. **Soulakova, J.N.** (2011). Resampling-Based and Other Multiple Testing Strategies with Application to Combination Drug Trials with Factorial Designs. *Statistical Methods in Medical Research* 20(5): 505-521
44. **Soulakova, J.N.** (2011). Comparison of Gatekeeping and Other Testing Methods for Identifying Superior Drug Combinations in Bi-factorial Designs with Isotonic Parameters. *Journal of Biopharmaceutical Statistics* 21(4): 635-649
45. Dmitrienko, A., **Soulakova, J.N.** and Millen, B. (2011). Three Methods for Constructing Parallel Gatekeeping Procedures in Clinical Trials. *Journal of Biopharmaceutical Statistics* 21(4): 768-786
46. **Soulakova, J.N.** and Roy, A. (2011). Application of Anbar's Approach to Hypothesis Testing to Detect the Difference between Two Proportions. *Communications in Statistics: Theory and Methods* 40(10):1866-1878

47. Kalarchian M.A., Levine, M.D., Klem, M.L., Burke, L.E., **Soulakova, J.N.**, Marcus, M.D. (2011). Impact of Addressing Reasons for Weight Loss on Behavioral Weight Control Outcome. *American Journal of Preventive Medicine* 40(1):18-24
48. **Soulakova, J.N.** (2010). General Multistage Gatekeeping Procedures for Identifying Beneficial Drug Combinations in Factorial Trials with Isotonic Gains. *Statistics in Biopharmaceutical Research* 2(1): 33-41
49. **Soulakova, J.N.** (2009). Comparison of Several Testing Strategies for Combination Drug Efficacy Trials Based on the Closure Principle. *Statistics in Medicine* 28: 260-273
50. **Soulakova, J.N.** (2009). On Identifying Effective and Superior Drug Combinations via Holm's Procedure Based on the Min Tests. *Journal of Biopharmaceutical Statistics* 19(2): 280-291
51. **Soulakova, J.N.** and Sampson, A.R. (2009). On Identifying Minimum Efficacious Doses in Combination Drug Trials. *Statistics in Biopharmaceutical Research* 1(1): 39-47
52. **Soulakova, J.N.**, Davis, W.W., Hartman, A.M. and Gibson, J.T. (2009). The Impact of Survey and Response Modes on Current Smoking Prevalence Estimates Using TUS-CPS: 1992-2003. *Survey Research Methods* 3(3): 123-137
53. Pennington, J., Ball, A.D., Hampton, R. and **Soulakova, J.N.** (2009). The Cross-National Market in Human Beings. *Journal of Macromarketing* 29: 119-134
54. Kalarchian, M.A., Marcus, M.D., Levine, M.D., **Soulakova, J.N.**, Courcoulas, A.P. and Wissinski, M. (2008). Relationship of Psychiatric Disorders to 6-Month Outcomes after Gastric Bypass. *Surgery for Obesity and Related Diseases* 4(4): 544-549
55. Kalarchian, M.A., Marcus, M.D., Levine, M.D., Courcoulas A.P., Pilkonis, P.A., Ringham, R.M., **Soulakova, J.N.**, Weissfeld, L.A. and Rofey, D.L. (2007). Psychiatric disorders among bariatric surgery candidates: Relationship to obesity and functional health status. *American Journal of Psychiatry* 164: 328-334

Other Publications

- Ha, T. and **Soulakova, J.N.** (2018). Survey Mode and Rates of Smoke-free Homes and Support for Smoking Bans Among Single Parents in the United States in 2010-11 and 2014-15. *Survey Practice* 11 (2), *Journal of the American Association for Public Opinion Research*, editor-reviewed.
- Ha, T. and Soulakova, J. (2017). Statistical Analyses of Public Health Surveys Using SAS® Survey Package. *Proceedings of the 2017 SouthEast SAS Users Group Conference*, paper 189, Cary, NC: SAS Institute Inc.
- Dvorak, B., Schulte, D., Garbacz, M., Aldrich, S., Admiraal, D. and **Soulakova, J.N.** (2009). Cross-Sectional Assessment of Technical Writing: Tool Development and Preliminary Data Analysis. *Proceedings of the 2009 Midwest Section Conference of the American Society for Engineering Education*: 1-17.

Roundtables, Workshops, Short Courses and Invited Presentations

- **Statistical Consulting Section of the American Statistical Association**; Webinar/Panel “Careers in Healthcare Statistics Part II”; panel discussant, virtual, December 2022
- **UCF College of Medicine Promotion and Tenure Panel**; presented *Department's Criteria and Role of Mentors* (one of 6 panelists), Soulakova, J.N., Orlando, FL, March 2022

- **2nd European Public Health Webinar, Tobacco Use Bans at the Largest Public and Private Universities in Florida, U.S.** Matthiesen, W. and Soulakova, J.N. (invited, presented virtually), March 2022
- **2021 European Society of Medicine Congress, Tobacco Use Among U.S. College Students During the COVID-19 Pandemic: Disparities by Race/Ethnicity.** Soulakova, J.N. Crockett, L.J., Schmidt-Owens, M. and Schrimshaw, E.W. (invited, presented in Public Health Session, presented virtually), Vienna, Austria, November 2021
- **2021 Joint Statistical Meetings Roundtable Discussion Leader, Working as a Biostatistician in Academia: Ready, Set, Go!** Soulakova, J.N. (invited, Sponsor: Mental Health Statistics Section of the American Statistical Association, presented virtually, August 2021).
- **Research Seminar at College of Health, Lehigh University.** Two National Surveys of Tobacco Use: Statistical Considerations and Beyond. Soulakova, J.N., virtual presentation, May 2021
- **Virtual Teaching Demonstration at Lehigh University.** Addition and Multiplication Rules of Probability. Soulakova, J.N., virtual presentation, May 2021
- **Virtual Conference on Nursing and Nursing Practice.** Modified Interquartile Range Method for Detecting Extreme Outliers in Animal Studies with Small Sample Sizes. Osom, A. Zhang, L., St. Pierre Schneider, B., and Soulakova, J.N., (invited oral presentation), August 28, 2020.
- **2020 Joint Statistical Meetings Roundtable Discussion Leader, Getting a Job and Building Your Career as an MS/PhD Biostatistician or a Statistician in Academia: Key Points for Success,** Soulakova, J.N. (invited, Sponsor: Section on Statistical Consulting of the American Statistical Association, presented virtually, August 2020).
- **Four-Hour Pre-conference Workshop at 2016 Society for Research on Nicotine and Tobacco Annual Meeting, Statistical Analyses of Complex Surveys with Replicate Weights Using SAS/Survey® Package,** Soulakova, J.N., Chicago, IL, March 2016.
- **Bayer Healthcare Pharmaceuticals Inc., Bayer Schering Pharma, Short Course On Multiple Testing Procedures for Detecting Superior Drug Combinations in Bi-factorial Designs,** Soulakova, J.N., Presented twice: Montville, NJ, USA, March 2010; Wuppertal, Germany; March 2010
- **Research Seminar at Department of Epidemiology and Biostatistics, College of Public Health, Temple University.** Racial and Ethnic Disparities in Receiving Doctor's Advice to Quit Smoking, Soulakova, J.N., Philadelphia, PA, March 2019
- **Biostatistics Seminar at New York University – Winthrop Hospital.** From a Junior Faculty to an Independent Researcher; The Key Lessons I Learned, Soulakova, J.N., Long Island, NY, December 2018
- **2018 Military Health System Research Symposium, Effect of Extended Hypobaria on Research Subjects' Well-Being and Skeletal Muscle Resident Macrophages,** Zhang, L., Soulakova, J.N. and St. Pierre Schneider, Orlando, FL, August 2018
- **University of Central Florida 2018 Office of Research and Commercialization NIH Month, NIH Funding: What Worked and What did not Work,** Soulakova, J.N. (one of 5 presenters and panel discussants), Orlando, FL, April 2018
- **University of Central Florida 2018 Big Data Series, Big Data in Medicine: Research on Tobacco Use in the United States,** Soulakova, J.N. (one of 8 distinguished speakers), Orlando, FL, March 2018
- **Research Resources at College of Medicine; Research in Medical Education Lunch & Learn Series, College of Medicine, University of Central Florida,** presented *Research Questions and Hypotheses part* (one of 6 presenters and panel discussants), Soulakova, J.N., Orlando, FL, October 2016

- **Big Data Series, Department of Statistics, University of Central Florida**, *Statistical Analyses of Population-based Surveys; Estimating Prevalence of Unassisted and Assisted Smoking Cessation and Identifying Related Factors*, Soulakova, J.N., Orlando, FL, October 2016
- **Department of Biostatistics, University of Nebraska Medical Center**, *Complex Surveys with Replicate Weights: Key SAS® Procedures*, Soulakova, J.N., Omaha, NE, April 2016
- **School of Nursing, Duquesne University**, *Reliability of Smoking Behaviors Reported in a National Survey*, Soulakova, J.N., Pittsburgh, PA, February 2016
- **2015 Military Health System Research Symposium**, *Inflammation and Regeneration After Skeletal Muscle Injury and Hypobaric in Ovary-Intact Research Subjects and Ovariectomized Research Subjects With or Without Exogenous Estrogen*, St. Pierre Schneider*, B., Voss, J. and Soulakova, J.N., Ft. Lauderdale, FL, August 2015
- **2014 Joint Statistical Meetings (Invited Poster)**, *Perception of Time since Smoking Cessation: Time in Memory Can Elapse Faster*, Soulakova, J.N. Bright, B.C. and Crockett, L.J., Boston, MA, August 2014
- **Division of Cancer Control and Population Sciences (DCCPS), National Cancer Institute, NIH**, *The Impact of Survey and Response Modes on Current Smoking Prevalence Estimates Using TUS-CPS: 1992-2003; My Experience in the DCCPS~Summer of 2008*, Soulakova, J.N., Rockville, MD, August 2008

Contributed Oral Presentations

- **2022 American Statistical Association Florida Chapter Annual Meeting**, *Teaching Online Biostatistics Courses During the Pandemic*, Soulakova, J.N., (presented virtually), April 2022
- **2021 Women in Statistics and Data Science Conference**, *Building Your Career in Academia: Benefits of Joining a Statistics or Biostatistics Academic Unit*, Soulakova, J.N., October 2021
- **Bishop Moore Catholic High School**, Virtual Seminar Series by Burnett School faculty members, *Pros and Cons of Utilization of National Surveys in Tobacco Research*, Soulakova, J.N., September 2021
- **2021 Joint Statistical Meetings (SPEED Session: presentation+video)**, *Constructing UpSet Plot for Survey Data with Weights Using SAS Survey Package and R UpSetR Package*, Soulakova, J.N., Gomez, C. and Goponenko, A. (virtual), August 2021.
- **2021 American Association for Cancer Research Annual Meeting**, *LncRNA PAIN Promotes Prostate Cancer Progression Through Modulation of Genes Involved in Epithelial-mesenchymal Transition and Apoptosis*, Ganapathy, K., Hasan, Md, Sun, J., Khatib, A., Andl, T., **Soulakova, J.N.**, Coppola, D., Zhang, W., and Chakrabarti, R. (presented virtually), Philadelphia, PA, April 2021.
- **2021 American Statistical Association Florida Chapter Annual Meeting**, *Using Nation-Wide Surveys in Health Research: Statistical Considerations*, Soulakova, J.N., (presented virtually), Tampa, FL, April 2021.
- **2019 Joint Statistical Meetings**, *Teaching a Mixed-Mode Biostatistics Course Using Canvas*, Soulakova, J.N. and Owens, V., Denver, CO, July 2019.
- **Western Institute of Nursing 52nd Annual Communicating Nursing Research Conference**, *Resuscitative Fluid Effects After Muscle Injury and Hemorrhagic Shock*, Schneider, B.S., Zhang, L., Soulakova, J.N., and Caldwell, C.C., San Diego, CA, April 2019.

- **2018 Joint Statistical Meetings**, *Calibrated Bayesian Approach for Small Area Prevalence Estimation Using Survey Data with Replicate Weights*, Ha, T. and Soulakova, J.N., SPEED SESSION, Vancouver, Canada, July 2018.
- **2018 Joint Statistical Meetings**, *On Mediation Analysis in Public Health Using Complex Survey Data*, Pham, T. and Soulakova, J.N., SPEED SESSION, Vancouver, Canada, July 2018.
- **Biomedical Sciences Graduate Student Association**, *Statistician's Advice: Proactive Education*, Julia N. Soulakova and Selena Leonardo, UCF, Orlando, FL, November 2017.
- **2017 McNair Scholars Research Conference at Florida International University**, *Sociodemographic Factors Associated with Ever-Use of Hookah Among Young Adults in the U.S.*, Victoria Owens*, Thanh Pham, and Julia N. Soulakova, Miami, FL, October 2017.
- **2017 McNair Scholars Research Conference at Florida International University**, *Parental race/ethnicity and prevalence of smoke-free homes in single-parent households; analyses of 2010-11 and 2014-15 Tobacco Use Supplement*, Selena Leonardo*, Yujiao Mai, Trung Ha, and Julia N. Soulakova, Miami, FL, October 2017.
- **2016 Joint Statistical Meetings**, *Applications of Statistical Techniques to Smoking Cessation Studies Using National Survey Data*, Soulakova, J.N. and Crockett, L.J., Chicago, IL, August 2016.
- **2016 Society for Research on Nicotine and Tobacco Annual Meeting**, *Unassisted Quitting and Smoking Cessation Methods Used in the US in the period 2007-2011*, Soulakova, J.N. and Crockett, L.J., Chicago, IL, March 2016.
- **2016 Spring Minority Health Disparities Initiative Retreat**, Bullet Session, *Does Race/Ethnicity Effect a Smoker's Plan to Quit?* Soulakova, J.N., Jinyu Li* and Crockett, L.J., Omaha, February 2016
- **2015 Smoking Science Summit**, *Measures for Assessing Test-retest Reliability of Smoking Behaviors in National Surveys*, Soulakova, J.N., London, UK, May 2015
- **2015 Spring Minority Health Disparities Initiative Retreat**, Bullet Session, *Methods Used to Successfully Quit Smoking in the United States: Racial and Ethnic Differences*, Soulakova, J.N. and Crockett, L.J., UNL, April 2015
- **2014 Joint Statistical Meetings (JSM)**, SPEED Session, *Evaluating the Performance of Simultaneous Stepwise Confidence Intervals for the Difference between two Poisson Rates*, Bright, B.* and Soulakova, J.N., Boston, MA, August 2014
- **2013 Joint Statistical Meetings**, SPEED Session, *Applications of Survey Regression Models to Estimate the Degree of Data Agreement*, Soulakova, J.N. and Zhao, P., Montreal, Canada, August 2013
- **2012 Joint Statistical Meetings**, *Expected Loss Functions as Additional Measures to Assess Performance of Multiple Testing Procedures for Combination Drug Dose Finding*, Soulakova, J.N. and Sampson, A.R., San Diego, CA, August 2012
- **2011 Joint Statistical Meetings**, *Comparison of Gatekeeping and Other Testing Methods for Identifying Superior Drug Combinations in Bi-factorial Designs with Isotonic Parameters*, Soulakova, J.N. Miami, FL, August 2011
- **2010 Joint Statistical Meetings**, *Application of Anbar's Approach to Hypothesis Testing to Detect the Difference between Two Proportions*, Soulakova, J.N. and Roy*, A., Vancouver, Canada, August 2010
- **2010 Annual Meeting of International Biometric Society (ENAR)**, *Application of Anbar's Approach to Hypothesis Testing to Detect the Difference between Two Proportions*, Soulakova, J.N. and Roy, A. New Orleans, LA, March 2010

- **2009 Midwest Section of the American Society of Engineering Education**, *Cross-Sectional Assessment of Technical Writing: Tool Development and Preliminary Data Analysis*, Dvorak, B.*, Schulte, D., Garbacz, M., Aldrich, S., Admiraal, D. and Soulakova, J.N., Lincoln, NE, September 2009
- **30th Annual Meeting of the Society for Clinical Trials**, *Resampling-Based and Other Multiple Testing Strategies with Application to Combination Drug Trials with Factorial Designs*, Soulakova, J.N., Atlanta, GA, May 2009
- **2008 Annual Meeting of International Biometric Society (ENAR)**, *On Consonance of Closed Testing in Combination Drug Efficacy Trials*, Soulakova, J.N., Arlington, VA, March 2008
- **2007 Joint Statistical Meetings**, *On Identifying Minimum Efficacious Doses in Combination Drug Trials*, Soulakova, J.N., Sampson, A.R., Salt Lake City, UA, July 2007
- **Plenary Session of the 24th Annual Meeting of the American Society for Bariatric Surgery**, *Presurgery Psychiatric Disorders are Associated with Smaller BMI Reduction at 6 Months after Gastric Bypass*, Kalarchian, M.A.*, Courcoulas A.P., Levine, M.D., Soulakova, J.N., Marcus, M.D., San Diego, CA, June 2007
- **2007 Annual Meeting of International Biometric Society (ENAR)**, *On Identifying Minimum Efficacious Doses in Combination Drug Trials*, Soulakova, J.N., Sampson, A.R., Atlanta, GA, March 2007
- **Society for Risk Analysis 2006 Annual Meeting**, *On Identifying Minimum Efficacious Doses in Combination Drug Trials*, Soulakova, J. N., Sampson, A. R., Baltimore, MD, December 2006
- **Obesity Society's 2006 Annual Scientific Meeting**, *Emphasis on Physical Appearance Enhances Weight Loss*, Kalarchian, M. A.*, Levine, M. D., Klem, M. L., Burke, L. E., Soulakova, J. N., Marcus, M. D., Presented by Kalarchian, M. Boston, MA. October 2006
- **University of Pittsburgh Grad Expo 2006**, *Dose finding Strategies for Single Drug trials* Soulakova, J.N., Sampson, A.R., Pittsburgh, PA, March 2006
- **Statistics Seminars at the Departments of Statistics and Animal Sciences, UNL**,
 - *About My Research Topics*, Soulakova, J.N. and other Statistics Faculties, Fall 2010, 2013, 2014, 2015
 - *On Quality of Self-reported Smoking History in the U.S. Adult Population*, Ho, V., Augustine, S. and Soulakova, J.N., September 2011
 - *On Quality of National Survey Data*, Augustine, S., Soulakova, J.N. and Hartman, A. April 2010
 - *On Reliability Measures in Large Surveys*, Augustine, S., Soulakova, J.N. and Hartman, A. September 2009
 - *Application of Two-stage Multiple Testing Strategies to Combination Drug Efficacy Trials with Factorial Designs*, Soulakova, J.N. and Luo, L. October 2009
 - *Statistical and Computing Challenges of Large Survey Data Analysis*, Soulakova, J.N., Davis., B., Hartman, A. and Gibson, J.T. September 2008
 - *On Closed Testing in Combination Drug Efficacy Trials*, Soulakova, J.N. March 2008
 - *Goals of the Efficacy Studies: Single Drug and Combination Drug Trials*, Animal Breeding Seminar, Soulakova, J.N. February 2007

Poster Presentations

- **2023 Society for Research on Nicotine and Tobacco Annual Meeting**, *Use of E-Cigarettes and Use of Any Tobacco Product as Correlates of COVID-19 Vaccine Uptake Among College Students*, Soulakova, J.N., Crockett, L.J., Schmidt-Owens, M., and Schrimshaw, E.W., San Antonio, TX, March 2023
- **2023 Florida Undergraduate Research Conference**, *Academic Performance and Psychological Wellbeing in College Students*, Jain, A., Schmidt-Owens, M. and Soulakova, J.N., Miami, FL, February 2023
- **2022 UCF Student Scholar Symposium**, *Smoking Policies at Largest Public and Private Universities in Florida: Do They Differ?* Matthiesen, W. and Soulakova, J.N., March 2022
- **2022 Society for Research on Nicotine and Tobacco Annual Meeting**, *Pandemic-Related Stress, Substance Use and Gender Identity: A Behavioral Study of College Students in the Southeastern U.S.*, Soulakova, J.N., Crockett, L.J., Schmidt-Owens, M., and Schrimshaw, E.W., Baltimore, MD, March 2022
- **2021 UCF Student Scholar Symposium**, *Four Methods for Detecting Outliers: Applications in Animal Study*. Osom, A. Zhang, L., St. Pierre Schneider and Soulakova, J.N., Orlando, FL, March 2021
- **2021 UCF Student Scholar Symposium**, *Application of Bonferroni and Holm Methods in Biomedical Research*. Barnhart, J., Osom, A. Zhang, L., St. Pierre Schneider and Soulakova, J.N., Orlando, FL, March 2021
- **2021 UCF Student Scholar Symposium**, *Tobacco Use Behaviors and Attitudes Toward the Smoke- and Vape-Free Campus Policy Among UCF Students: Analysis of 2020 Data*. Sheiber, J., Schrimshaw, E.W., Schmidt-Owens, M. and Soulakova, J.N., Orlando, FL, April 2021
- **2021 Society for Research on Nicotine and Tobacco Annual Meeting**, *Tobacco Use Among Sexual and Gender Minority and non-Minority College Students*, Soulakova, J.N. Schmidt-Owens, M., and Schrimshaw, E.W., virtual presentation (video and discussion), February 2021
- **2020 3rd Annual Research Empowerment Day at the University Medical Center of Southern Nevada: Clinical Research Session**, *The Effect of Mild Hypobaric Hypoxia on Splenic Erythroid and Myeloid Cells After Muscle Trauma-Hemorrhage*, Zhang, L., Patel, S., Osom, A., Soulakova, J.N., Caldwell, C., Salman, E., and St. Pierre Schneider, virtual presentation, November, 2020
- **2020 Military Health System Research Symposium**, *The Effect of Hypobaria on Splenic Erythropoiesis After Injury and Hemorrhagic Shock*, Zhang, L., Soulakova, J.N. and St. Pierre Schneider, Orlando, FL, August 2020 (the abstract was accepted but the conference was cancelled due to COVID-19)
- **2020 Showcase of Undergraduate Research Excellence**, *Tobacco Use Disparities by Sexual and Gender Minority Status Among UCF Students*. Patel, P., Schrimshaw, E.W., Schmidt-Owens, M. and Soulakova, J.N., UCF, April 2020 (the poster was presented via Zoom and is available at <https://stars.library.ucf.edu/sure/2020/posters/4/>)
- **2020 Showcase of Undergraduate Research Excellence**, *Tobacco Control Policies at Ten Largest Public Universities in Florida and UCF Students' Support for Smoke-Free Policy*. Tanbari, N., Schrimshaw, E.W., Schmidt-Owens, M. and Soulakova, J.N., UCF, April 2020 (the poster preparation is postponed due to COVID-19)
- **2020 Society for Research on Nicotine and Tobacco Annual Meeting**, *Workplace Smoking Policies and Support for Smoking Cessation Offered to Employees Who Smoke in the US in the Period from 2010 to 2015*, Mai, Y., Ha, T. and Soulakova, J.N., New Orleans, LA, March 2020

- **2019 International Conference on Big Data Analytics and Data Science, Constructing UpSet Plots Using Complex-Survey Data**, Gomez, C. and Soulakova, J.N, Las Vegas, NV, November 2019
- **11th Annual Graduate Research Colloquium, Set Intersection Bar Plots to Visualize Key Reasons of Using E-Cigarettes**, Desai, J., Sharma, D., Ha, T. and Soulakova, J.N. College of Medicine, UCF, August 2019
- **11th Annual Graduate Research Colloquium, On Assessing Mean Differences for Patients' Quantitative Measures Using SAS®9.4**, Hussain, F., Sharma, D., Ha, T. and Soulakova, J.N. College of Medicine, UCF, August 2019
- **11th Annual Graduate Research Colloquium, Sociodemographic Factors Associated with Smoking Cessation Among Smokers who Attempted to Quit**, Sharma, D., Ha, T. and Soulakova, J.N. College of Medicine, UCF, August 2019
- **2019 Bayesian Causal Inference Workshop, Applications of Bayesian Logistic Linear Mixed Model for Prevalence Estimation of a Smoke-Free Home by Parental Race and Ethnicity**, Ha, T. and Soulakova, J.N., Ohio State University, Columbus, OH, June 2019
- **42nd Annual Conference on Shock, Comparison of Inflammatory Responses Between Hetastarch and Lactated Ringer's Solution Treatment**, Zhang, L., Caldwell, C.C., Lopez, J., Soulakova, J.N. and Schneider, Coronado, CA, June 2019
- **Seventh Workshop on Biostatistics and Bioinformatics, Smoking Initiation after Being Diagnosed with Inflammatory Bowel Disease**. Hussain, F., Ha, T., Le-Chu, S., and Soulakova, J.N., Atlanta, GA, May 2019
- **Seventh Workshop on Biostatistics and Bioinformatics, Key Advantages and Disadvantages of Hybrid Approach with Balanced Repeated Replications and Bayesian Logistic Linear Mixed Model for Small Area Estimation**, Ha, T. and Soulakova, J.N., Atlanta, GA, May 2019
- **2019 Research Week Kickoff at the University of Central Florida, Parental Age, Sex, and Race/Ethnicity as Predictors of Childhood Exposure to Secondhand Smoke at Home**, Ha, T. and Soulakova, J.N., Orlando, FL, April 2019
- **2019 Showcase of Undergraduate Research Excellence, Smokers with Inflammatory Bowel Disease: Who Are They?** Hussain, F., Ha, T and Soulakova, J.N., University of Central Florida, April 2019
- **2019 Showcase of Undergraduate Research Excellence, Does Getting Diagnosed with Inflammatory Bowel Disease Promote the Onset of Cigarette Smoking?** Sheiber, J., Ha, T and Soulakova, J.N., University of Central Florida, April 2019
- **2019 Showcase of Undergraduate Research Excellence, Widespread Use of E-cigarettes and Hookah Tobacco in the United States**, Owens, V., Ha, T and Soulakova, J.N., University of Central Florida, April 2019
- **2019 Society for Research on Nicotine and Tobacco Annual Meeting, Rates of Smoke Free Homes are Increasing Among Single Parent Households in the United States**, Ha, T. and Soulakova, J.N., San Francisco, CA, February 2019
- **2019 Society for Research on Nicotine and Tobacco Annual Meeting, Hookah Tobacco and Other Tobacco Use in Young Adults**, Owens, V. and Soulakova, J.N., San Francisco, CA, February 2019
- **10th Annual Graduate Research Colloquium, Hookah Tobacco Use Among Young Adults in the US**, Owens, V. and Soulakova, J.N. College of Medicine, UCF, August 2018

- **10th Annual Graduate Research Colloquium, *Former Smokers' Retrospective Reports of Receiving a Doctor's Advice to Quit Smoking***, Mai, Y. and Soulakova, J.N. College of Medicine, UCF, August 2018
- **2018 Graduate Research Forum at the University of Central Florida, *Heavy Smokers Purchasing Cigarettes from Indian Reservations***, Pack, R., Ha, T. and Soulakova, J.N., Orlando, FL, April 2018
- **2018 Research Week Kickoff at the University of Central Florida, *Analysis of National Surveys Using SAS***, Ha, T. and Soulakova, J.N., Orlando, FL, April 2018
- **2018 Research Week Kickoff at the University of Central Florida, *On Mediation Analysis of National Survey Data***, Pham, T. and Soulakova, J.N., Orlando, FL, April 2018
- **2018 Research Week Kickoff at the University of Central Florida, *Smoking Policy and Support for Smoking Cessation at Workplace: National Trends from 2010-11 to 2014-15***, Mai, Y. and Soulakova, J.N., Orlando, FL, April 2018
- **University of Central Florida 2018 Big Data Series, *Mediation Analysis of Big Data: Detecting the Effect of a Mediator***, Pham, T., Mai, Y. and Soulakova, J.N., Orlando, FL, March 2018
- **University of Central Florida 2018 Big Data Series, *Analysis of National Surveys Using SAS in the Era of Big Data***, Ha, T. and Soulakova, J.N., Orlando, FL, March 2018
- **2018 Florida Undergraduate Research Conference, *Do Parents Who Smoke Protect Their Children from Secondhand Smoke at Home?*** Leonardo, S., Mai, Y. and Soulakova, J.N., Melbourne, FL, February 2018
- **2018 Florida Undergraduate Research Conference, *Socio-demographic Factors Associated with Ever-Use of Hookah among Young Adults in the U.S.***, Owens, V., Pham, T. and Soulakova, J.N., Melbourne, FL, February 2018
- **2018 Society for Research on Nicotine and Tobacco Annual Meeting, *Smoking Policy and Support for Smoking Cessation Offered at Work: Recent Trends in the United States***, Soulakova, J.N. and Mai, Y., Baltimore, MD, February 2018
- **2017 SouthEast SAS Users Group Conference, *Statistical Analyses of Public Health Surveys Using SAS® Survey Package***, Ha, T. and Soulakova, J., Cary, NC: SAS Institute Inc., November 2017
- **2017 Joint Statistical Meetings, *Disregarding Survey Sampling Method When Analyzing Complex Surveys Can Jeopardize Research Findings***, Tang, C.Y. and Soulakova, J., Baltimore, MD, August 2017
- **2017 Joint Statistical Meetings, *Behavioral Interventions for Smoking Cessation Used by Daily Smokers***, Leonardo, S., Tang, C.Y. and Soulakova, J., Baltimore, MD, August 2017
- **2017 Annual Conference of the National Council on Family Relations, *Social support as catalyst for smoking cessation intentions***, Tang, C. Y. and Soulakova, J., Orlando, FL, November 2017
- **Fifth Workshop on Biostatistics and Bioinformatics, *Intentions to Quit Smoking among non-Hispanic White, non-Hispanic Black and Hispanic Smokers***, Soulakova, J.N., Li, J. and Crockett, L.J., Georgia State University, Atlanta, GA, May 2017
- **Fifth Workshop on Biostatistics and Bioinformatics, *The Importance of Adjusting for Multi-stage Design when Analyzing Data from Complex Surveys***, Tang, C.Y. and Soulakova, J.N., Georgia State University, Atlanta, GA, May 2017

- **2017 Showcase of Undergraduate Research Excellence, *Behavioral Interventions for Smoking Cessation Used by Daily Smokers***, Leonardo, S., Tang, C.Y. and Soulakova, J.N., University of Central Florida, April 2017
- **2017 Society for Research on Nicotine and Tobacco Annual Meeting, *Race/ethnicity and Intention to Quit Cigarette Smoking***, Soulakova, J.N., Li, J. and Crockett, L.J., Florence, Italy, March 2017
- **Minority Health Disparities Initiative Retreat, *Mission of the Statistics Department***, Soulakova, J.N., University of Nebraska, NE, February 2014
- **Minority Health Disparities Initiative Retreat, *On Assessing the Recall Bias in Self-reported Time since Completely Quitting Smoking***, Soulakova, J.N., Bright, B.C. and Crockett, L.J., University of Nebraska, NE, February 2014
- **2014 Society for Research on Nicotine and Tobacco Annual Meeting, *On Assessing the Recall Bias in Self-reported Time since Completely Quitting Smoking***, Soulakova, J.N., Bright, B.C. and Crockett, L.J., Seattle, WA, February 2014
- **2013 Joint Statistical Meetings, *On Simultaneous Interval Estimating the Relative Prevalence of Forward Shifting in Reported Regular Smoking Initiation Age***, Bright*, B.C. and Soulakova, J.N., Montreal, Canada, August 2013
- **2013 Joint Statistical Meetings, *Should the Proxy-respondents be Surveyed when Assessing the Regular Smoking Initiation Age?*** Soulakova, J.N., Zhao, P. and Crockett, L.J., Montreal, Canada, August 2013
- **Minority Health Disparities Initiative Retreat, *Mission of the Statistics Department***, Soulakova, J.N. UNL, NE, September 2012
- **2012 Joint Statistical Meetings, *Incorporating Continuity Corrections when Utilizing Asymmetric Comparisons to Illustrate Non-inferiority with Binomial Proportions***, Bright*, B. and Soulakova, J.N., San Diego, CA, August 2012
- **2010 Annual Meeting of International Biometric Society, *On Sample Size Estimation in Combination Drug Efficacy Studies***, Luo*, L. and Soulakova, J.N., New Orleans, LA, March 2010
- **2007 Society for Research on Nicotine and Tobacco Annual Meeting, *Differences between African American and Caucasian Women Who Quit Smoking during Pregnancy***, Levine*, M. D., Marcus, M. D., Kalarchian, M. A., Soulakova, J. N., Austin, TX, February 2007
- **2006 American Psychological Association Annual Convention, *Concerns about Weight and Mood Affect Postpartum Smoking***, Levine*, M. D., Marcus, M. D., Kalarchian, M. A., Currie, M, Soulakova, J.N., New Orleans, LA. August 2006
- **Eating Disorders Research Society 11th Annual Meeting, *Childhood Trauma, Depressive Symptoms and Eating Disorder Psychopathology among Bariatric Surgery Candidates***, Kalarchian*, M. A., Levine, M. D, Courcoulas, A. P., Soulakova, J. N., Marcus, M. D. Toronto, Ontario, Canada. September 2005
- **Eating Disorders Research Society 11th Annual Meeting, *Women's Resumption of Smoking during the Postpartum Period Related to Weight Concerns and Depressive Symptoms***, Levine*, M. D., Kalarchian, M. A., Mesko D., Currie M., Soulakova, J. N., Marcus, M. D. Toronto, Ontario, Canada. September 2005

Advising and Mentoring Students, Biostatisticians and Postdoctoral Fellows

UCF: Ayushi Jain (undergraduate student volunteer, major: Biochemistry, August 2022- present), Elika Hashemi (undergraduate student volunteer, major: Health Services Administration, September-

November 2022), Kristi-Anna McDaniel (undergraduate student volunteer, major: Biology, August-September 2022), Wesley Matthiesen (undergraduate student volunteer, major: Biomedical Sciences, November 2021-May 2022), Tara Pattilachan (undergraduate student volunteer, major: Biomedical Sciences, August 2021), Alia Sarwar (B.S., graduate student volunteer, May 2021), Albert Osom (full-time scientist, biostatistician during summer 2020 and volunteer after that, major: Statistical Computing, May 2020 –May 2021), Hope Clinard (undergraduate student volunteer, major: Psychology, April–May 2021), Jarod Barnhart (undergraduate student researcher, major: Statistics, October 2020-April 2021), Jeremy Sheiber (undergraduate student volunteer, major: Biomedical Sciences, December–April 2018 and January–April 2021), Jordan Wilk (undergraduate student researcher, major: Biomedical Sciences, January–April 2021), Joel Prosper (undergraduate student, major: Biomedical Sciences, minor: Statistics, Volunteer, January – February 2021), Katelyn Ramirez (undergraduate student, majors: Statistics and Political Science, Volunteer, January – February 2021), Nathaniel Miller (undergraduate student volunteer, co-major: Biological Sciences and Computer Science, October-November 2020), Kai Janicki (BSBS Rotation Student, September 2020), Julia Webb (BSBS Rotation Student, October 2020), Camilo Gomez (GRA, major: Statistics, August 2019 – May 2020), Parth Patel (undergraduate student researcher, major: Biomedical Sciences, January 2019 – May 2020), Nour Tanbari (undergraduate student researcher, major: Biology, January 2019 – April 2020), Jay Desai (undergraduate student volunteer, major: Biotechnology, June –December 2019), Deeksha Sharma (full-time scientist, biostatistician, June–November 2019), Valory Vailoces (undergraduate student volunteer, major: Biomedical Sciences, January– September 2019), Dr. Trung Ha (postdoctoral associate, April 2017 – August 2019), Fatima Hussain (undergraduate student researcher, major: Biomedical Sciences, January 2019 – August 2019), Victoria Qwens (undergraduate student researcher, major: Statistics, October 2017 – July 2019), Pratyaksh Nayyar (undergraduate student volunteer, major: Economics, June 2019 – July 2019), Srishty Arora (full-time scientist, epidemiologist, February–April 2019), Alex Gylayev (part-time scientist, B.S. in Biomedical Sciences, January – March 2019), Monica Ramos (undergraduate student volunteer, major: Biomedical Sciences, January 2019), Brooke Vantoorenborg (undergraduate student volunteer, major: Biomedical Sciences, December 2018 – January 2019), Riley Gillett (undergraduate student volunteer, major: Statistics, September– October 2018), Dr. Yujiao Mai (postdoctoral associate, July 2017 – October 2018), Dr. Monsur Chowdhury (postdoctoral associate, May 2018 – August 2018), Julie Arias (part-time scientist, UCF non-degree student, December 2017 – August 2018), Richard Pack (part-time scientist, UCF non-degree student, October 2017 – June 2018), Dr. Thanh Pham (postdoctoral associate, September 2017 – June 2018), Selena Leonardo (undergraduate student assistant, major: Biomedical Sciences, September 2016 – May 2018), Titus Dieuzil (graduate student volunteer, major: Statistics, October 2017 – December 2017), Ankit Bisht (graduate student assistant, major: Computer Science, April– June 2017), Dr. Chiung-Ya Tang (postdoctoral associate, January - April 2017).

UNL: Jinyu Li (GRA Advisor for Fall and Spring 2016, Department of Statistics, M.S.), Ryan Danczak (GRA Advisor for Spring 2016, Department of Statistics, M.S.), Xiaojuan Hao (Committee member, Department of Statistics, PhD), Pengxin Chao (GRA Advisor for Fall 2016, Department of Statistics, M.S./Ph.D.), Brianna Bright (Advisor, Department of Statistics, PhD), Huang Huang (Advisor, Department of Statistics, M.S.), Natalie Koziol (Committee member, Department of Educational Psychology, PhD), Ran Gu (Committee member, Department of Statistics, M.S.), Peng Zhao (Advisor, Department of Statistics), Linlin Luo (Advisor, Department of Statistics, M.S.), Steve Augustine (Advisor, Department of Statistics, M.S.), Venetia Ho (Undergraduate Creative Activities and

Research Experiences Fellowship Advisor, Department of Actuarial Sciences, B.S.), Tick Leow (Undergraduate Creative Activities and Research Experiences fellowship advisor, Department of Actuarial Sciences, B.S.), Victoria Burnett (Undergraduate Creative Activities and Research Experiences fellowship advisor, Department of Actuarial Sciences, B.S.), Cixin Wang (graduate committee member, Department of Educational Psychology, Ph.D.), Michael Black (graduate committee member, Department of Statistics, M.S.), Leanne Hicks (graduate committee member, Department of Statistics, M.S.), Olena Kaminska (graduate committee member Survey Research and Methodology, Ph.D.), Diego Franca (graduate committee member, Transportation Systems Engineering, M.S.)

Outreach Professional Service Activities

- **Education Officer, Survey Research Methods Section of the American Statistical Association (elected position), 2023-2024**
- **Standing Member, Health Care Research and Training Study Section, Agency for Healthcare Research and Quality, US DHHS, 2022-2025**
- **Member, ASA Statistical Consulting Section: Healthcare Statistician Networking Group, January 2022-current**
- **Reviewer, 2023 Society for Research on Nicotine and Tobacco Travel Scholarship Applications, November 2022**
- **Grant Proposal Reviewer, Center for Scientific Review, Special Study Section, National Institutes of Health, US DHHS, March 2019, November 2020, June 2021, March 2022, June 2022, November 2022**
- **Chair, Invited Session on Statistical Methods for Medical Studies, Florida Chapter of the American Statistical Association Annual Meeting, 2022 (virtual)**
- **Poster Tour “Health Equity” Organizer, Poster Session 2 at the 2022 Society for Research on Nicotine and Tobacco Annual Meeting, Baltimore, MD, March 2022**
- **Judge for the Best Presentation Award at the ASA's Section on Teaching of Statistics in the Health Sciences, JSM 2021, August 2021**
- **2021-2022 American Statistical Association Section on Statistics and Data Science Education Mentoring Program Mentor (mentee: Ms. Eisenhauer, Statistics PhD Student at Penn State), August 2021—August 2022**
- **2021 Undergraduate Statistics Project Competition Judge, American Statistical Association, July-August 2021**
- **Grant Proposal Reviewer, Health Care Research and Training Study Section, Agency for Health Research and Quality, US DHHS, May, July, October 2021**
- **Grant Proposal Reviewer, Health Disparities and Equity Promotion Study Section, National Institutes of Health, US DHHS, June 2017, October 2017, March 2018, June 2018, June 2019, October 2020**
- **American Statistical Association Council of Section Governing Board Nomination Committee (2020-2021)**
- **Two-Hour Social for Students and Early Career Statisticians “Guided Virtual Networking” Mentor-Participant, American Statistical Association Committee on Career Development, July 30, 2020**
- **Society for Research on Nicotine and Tobacco Trainee Network’s Mentored Poster Program**

Mentor (mentee: Ms. Rubenstein, Public Health and Latin American and Caribbean Studies at Brown University), January 2020—April 2020

- **Award for Outstanding Section Service Competition Judge**, Survey Research Methods Section of the American Statistical Association, August 2019—April 2020
- **2020 Joint Statistical Meeting Student Travel Award Competition Judge**, Survey Research Methods Section of the American Statistical Association, January 2020
- **SPEED Poster Session Judge**, Survey Research Methods Section and Government Statistics Section of the American Statistical Association, Joint Statistical Meetings, August 2018
- **Council of Section Representative, Survey Research Methods Section of the American Statistical Association (elected position)**, 2016-2018, 2019-2021
- **2018 American Statistical Association (Consortium of Three Sections) Student Paper Competition Reviewer**, December 2017-January 2018
- **Poster Session Judge**, Survey Research Methods Section of the American Statistical Association, Joint Statistical Meetings, 2016
- **Grant Proposal Panel Reviewer**: National Science Foundation, 2013
- **Grant Proposal Reviewer**: National Security Agency and American Mathematical Society, 2013
- **Associate Editor**: Journal of Substance Abuse and Alcoholism, 2013-current
- **Books and Book Chapters Reviewer**: Chapman and Hall, John Wiley and Sons, Inc., Pearson Arts and Sciences
- **Manuscript Reviewer**: Addictive Behaviors, Biometrical Journal, Communications in Statistics: Simulation and Computation, Computational Statistics and Data Analysis, Drug and Alcohol Dependence, Journal of the American Statistical Association, Journal of Biopharmaceutical Statistics, Journal of the National Cancer Institute Monographs, Journal of Pharmaceutics and Drug Delivery Research, Journal of the National Comprehensive Cancer Network, Journal of Racial and Ethnic Disparities, Journal of Survey Statistics and Methodology, Military Medicine, Nicotine and Tobacco Research, Pharmaceutical Statistics, Statistics in Biopharmaceutical Research, Statistics in Medicine, Therapeutic Innovation and Regulatory Science, Open Heart.

Service Activities at the UCF

- UCF Office of Research NIH Pitch Circle Panelist (mentee: Dr. Williams, School of Global Health Management and Informatics, UCF), January 2023
- Advised College of Nursing faculty on R01 grant development (review and meeting), May 2022
- Member of UCF College of Medicine Committee for Research Incentive Awards, January 2022
- Focused Inquiry & Research Experience (For Medical Students) Orientation Faculty Mentor Presentation, August 2021
- Population Health Sciences Promotion and Tenure Committee Chair, August 2021 – current
- Population Health Sciences Faculty Hiring Committee Chair, August 2021 – current
- Committee on Committees, UCF College of Medicine, August 2021 – current
- UCF College of Medicine Faculty Champion, August 2021 – August 2022
- UCF Office of Research NIH Pitch Circle Initiative Mentor (mentee: Dr. Andraika-Christou, Health Management Informatics, UCF), March 2021
- MPH Program Development Initiative, January 2021 – current
- Population Health Sciences Website Editor, September 2020 – current
- Population Health Sciences “Rank and Tenure at Hire” Committee Member, Fall 2019 –

Current

- UCF Office of Research NSF Pitch Circle Initiative Mentor (mentee: Dr. Koval, Health Management Informatics, UCF), February – May 2020
- BSBS Promotion and Tenure Committee Member, August 2016 – Fall 2019
- Biostatistician Search Committee Chair, August 2018 – March 2019
- Crohn's Research Group, College of Medicine, August 2017 – December 2018
- Faculty Awards and Recognition Committee, College of Medicine, July 2017 – January 2019
- College of Medicine Admission Committee (AORTA), August 2017 – May 2018
- Big Data in Healthcare Symposium Planning Committee, UCF, October 2017 – March 2018
- Population Health Sciences Workgroup, College of Medicine, May 2017 – December 2017
- Research Office Advisory Committee, College of Medicine, August 2016 – August 2017

Service Activities at the UNL

- Statistics Department Award Committee Chair, August 2015 – May 2016
- Statistics Department Promotion and Tenure Committee Member, August 2012 – May 2016
- Annual Statistics Department New Student Orientation, Chair, Organizer and Presenter, August 2011 – August 2015
- UNL Survey Research and Methodology Admission Committee Member, August 2007 – August 2009, August 2013 – September 2015
- UNL Survey Research and Methodology Graduate Committee Member, January – September 2015
- Represented Statistics Department in 16th Annual Women in Science Conference, March 2014
- Statistics Department Graduate Committee Member, January 2014 – May 2015
- Statistics Department Award Committee Member, August 2012 – May 2014
- Statistics Department Curriculum Committee Member, January 2008 – May 2014
- Statistics Department Faculty Search Committee Head, August 2013 – May 2014
- Statistics Department Post-Doc Search Committee Member, August 2013 – May 2014
- Statistics Department Head Search Committee Member, August 2012 – May 2013
- Statistics Department Seminar Committee Member, August 2006 – August 2013
- UNL School of Natural Resources Safety and Facilities Committee Member, May 2011 – May 2013
- Statistics Department Advisory Committee Member, August 2006 – December 2006

Professional Membership and Certification: American Statistical Association (ASA) member since 2005, Society for Research on Nicotine and Tobacco member, Tobacco Treatment Specialist Certification by Mayo Clinic Nicotine Dependence Center (#11-19-001, 03/2020—03/2022)