

# Joanna (JZ) Sue Zeiger, MS, PhD

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3996 Savannah Court  
Boulder, CO 80301  
303-815-3914

[joannazeiger@comcast.net](mailto:joannazeiger@comcast.net)  
[www.joanna-zeiger.com](http://www.joanna-zeiger.com)

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## EDUCATION

- 2001-2003      Post-doctoral Fellowship in Cardiovascular Disease  
                  NHLBI Training Grant  
                  Johns Hopkins University Bloomberg School of Hygiene & Public Health  
                  Baltimore, MD
- 2001            Genetic Epidemiology, Ph.D.  
                  Johns Hopkins University Bloomberg School of Hygiene & Public Health  
                  Baltimore, MD
- 1995            Genetic Counseling, M.S.  
                  Northwestern University, Chicago, IL
- 1992            Psychology, B.A.  
                  Brown University, Providence, RI
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## RESEARCH EXPERIENCE

- 2021            Principal Investigator for the *International Allergists Cannabis KAP (Knowledge, Attitudes, Practice) Survey*
- Aim was to assess allergists' knowledge/attitudes regarding cannabis and how these factors impact the manner in which they conduct cannabis discussions with their patients.
  - Managing the study which is comprised of three international allergy societies: The American College of Allergy, Asthma, and Immunology; The Canadian Society of Allergy and Clinical Immunology; and The European Academy of Allergy and Clinical Immunology.
  - Overseeing the survey development working group (15 international members).
  - Working directly with the societies to send out the survey to their membership.
  - In charge of data cleaning, data analysis, conference presentations, and manuscript preparation.
- 2021            Co-Investigator for Cannabis Education Modules for members of the American College of Allergy, Asthma and Immunology (ACAAI).

- Wrote and awarded the ACAAI Community Grant.
  - Will obtain CME credit for the 6 modules that encompass many facets of cannabis.
  - Involved with the development of the educational materials and slides, recording the modules, and creation of CME questions.
- 2020 Principal Investigator for the *AAN (Allergy & Asthma Network) PEACE (Pain, Exercise and Cannabis Experience) Survey*
- Developed study protocol and questionnaire to examine patterns of cannabis use, knowledge and attitudes in people with allergies/asthma.
  - Study ran from May through September, 2020 with over 800 respondents.
  - Cleaned and analyzed data, prepared manuscript, and presented at two conferences.
- 2020 Founder and CEO of Canna Research Foundation (CRF), Boulder, CO
- CRF is a non-profit organization working under the fiscal sponsorship of the Professional Philanthropy Fund.
  - Our mission is to “be the preeminent population health outcomes research group for cannabis research and advisors for medical societies, patient advocacy groups, pharmaceutical companies, manufacturers, distributors, and other organizations considering cannabis research.”
  - CRF has several ongoing epidemiologic studies, including collaborations with medical societies and universities, dedicated to understanding cannabis patterns of use, attitudes, knowledge, and practice/behavior in patient populations and the physicians who treat them.
- 2018 Principal Investigator for *The Athlete PEACE (Pain, Exercise, and Cannabis Experience) Survey*
- Online survey with 1,161 athletes to characterize cannabis use patterns in athletes and whether cannabis is associated with pain and well-being.
  - Led study from conception to 3 publications and 3 conferences presentations.
- 2016 Principal Investigator for *The Sisu Study*
- Developed study protocol to examine mental toughness latent classes in 1,250 endurance athletes.
  - Analyzed results, prepared tables, and wrote the manuscript and presented at conferences.
  - Established *the Sisu Quiz* by creating an algorithm based on study results. *The Sisu Quiz* allows for test takers to determine their level mental toughness on 8 domains and a total mental toughness score. Can be used clinically by coaches and medical providers.
- 2013-2017 Statistical consultant, Boulder, CO
- Worked with clients regarding: operationalizing hypotheses, choosing appropriate measures for analysis, determining proper statistical tests, reviewing results.
  - Tutored clients on statistical methods enabling them to carry out their analyses.
  - Performed data preparation and cleaning, data analysis, structuring results tables.
  - Provided written interpretation of results and preparation of papers for publication.
- 2004-2013 Institute for Behavioral Genetics, University of Colorado at Boulder, Boulder, CO  
“Research on the genetic and environmental bases of individual differences in behavior”

- Interests included: impact of physical activity on physical and mental health, subjective effects of drugs on drug use outcomes.
- Worked with large data sets including twin studies, family studies, adoption studies, clinical subjects, and community-based studies.
- Statistical analysis including: multiple regression, cluster analysis, item response theory, longitudinal analysis, mixed-effects models, survival analysis, latent class analysis, Mokken scaling, structural equation modeling.
- Performed extensive literature reviews.
- Prepared papers for journals, grant writing, and survey design.

1995-2003	Bloomberg School of Hygiene & Public Health, Johns Hopkins University, Baltimore, MD "Gene-environment interaction in birth defects"
	<ul style="list-style-type: none"> <li>• Focused on birth defects including oral clefts, craniosynostosis, and congenital heart defects.</li> <li>• Association studies, linkage analysis, grant writing, manuscript preparation, questionnaire development.</li> </ul>
1993-1995	Northwestern University, Chicago, IL "The Effect of Knowledge and Attitudes on Decision Making Regarding Prenatal Diagnosis"
1991-1992	Brown University, Providence, RI "Social Categorization and the Truly False Consensus Effect"

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## **AFFILIATIONS**

Institute of Cannabis Research Governing Board (2021-present)

Institute of Cannabis Research, Cannabis Research Conference Program Planning Committee Member (2021)

Athletes for Care (2018-present)

Institute of Cannabis Research Scientific Advisory Board Member (2019-2021)

Journal of Cannabis Research Reviewer (2019-present)

JACI: In Practice Reviewer (2018-present): top 10% of 703 reviewers in 2020, 2021

The International Cannabinoid Research Society Member (2018)

Industrial Hemp Research Foundation Scientific Advisory Committee Member (2018-2019)

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## **OTHER ACHIEVEMENTS**

- Endurance coach for triathletes and runners (2003-present)
- National Academy of Sports Medicine Corrective Exercise Specialist Certification (2019)
- Author of *The Champion Mindset: An Athlete's Guide to Mental Toughness* (St. Martin's Press, 2017)
- Ironman 70.3 World Champion in world record time (2008)

- United States Olympic Team Member, 4<sup>th</sup> place triathlon (2000)
- 7x Olympic Trials qualifier in three sports (swimming, triathlon, marathon: (1988-2016)

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## PUBLICATIONS AND PRESENTATIONS

### ARTICLES

1. **Zeiger, JS**, Silvers WS, Zeiger RS, Nayak AP, Naimi DR, Skypala IJ, Ellis AK, Bernstein JA, for the International Allergists Canna KAP Consortium. (2022) Impact of Cannabis Knowledge and Attitudes on Real-World Practice: An International Survey of Allergists. *Annals of Allergy, Asthma, and Immunology*. S1081-1206(22)00343-X. 25 Apr., doi:10.1016/j.anai.2022.04.021.
2. Skypala, I., Jeimy, S., Brucker, H., Nayak, A., Decuyper, I., Bernstein, J., Connors, L., Kanani, A., Klimek, L., Lo, S., Murphy, K., Nanda, A., Poole, J., Walusiak-Skorupa, J., Sussman, G., **Zeiger, J.**, Goodman, R., Ellis, A., Silvers, W., Ebo, D. (2022) Cannabis-related allergies: an international overview and consensus recommendations. *Allergy*. <https://doi.org/10.1111/all.15237>
3. **Zeiger JS**, Silvers WS, Winder TA, Hart MK, Zeiger RS. (2021) Cannabis attitudes and patterns of use among members of the Allergy & Asthma Network. *Annals of Asthma, Allergy, and Immunology*. Jan 16:S1081-1206(21)00022-3. doi: 10.1016/j.anai.2021.01.014. PMID: 33465453.
4. Greiwe, J, Gruenke J, **Zeiger JS**. (2021) The Impact of Mental Toughness and Postural Abnormalities on Dysfunctional Breathing in Athletes. *Journal of Asthma*. Jan 6;1-13. <https://doi.org/10.1080/02770903.2021.1871739>
5. Decuyper II, Green BJ, Sussman GL, Ebo DG, Silvers WS, Pacheco K, King BS, Cohn JR, Zeiger RS, **Zeiger JS**, Naimi DR, Beezhold DH, Nayak AP. (2020) Occupational allergies to Cannabis. *The Journal of Allergy and Clinical Immunology: In Practice*. 8(10);3331-3338. <https://doi.org/10.1016/j.jaip.2020.09.003>
6. Nyenhuis SM, Greiwe, J, **Zeiger JS**, Nanda A, Cooke, A. (2020) Exercise and Fitness in the age of social distancing during the COVID-19 Pandemic. *The Journal of Allergy and Clinical Immunology: In Practice*. 8(7): 2152-2155. <https://doi.org/10.1016/j.jaip.2020.04.039>
7. Sussman, GL, Beezhold, DH, Cohn, JR, Silvers, WS, **Zeiger JS.**, & Nayak, AP. (2020). Cannabis: An Emerging Occupational Allergen?. *Annals of Work Exposures and Health*. (64)7: 679–682. <https://doi.org/10.1093/annweh/wxaa043>
8. **Zeiger JS**, Silvers WS, Fleegler EM, Zeiger RS. (2020) Attitudes about Cannabis Mediate the Relationship between Cannabis Knowledge and Use in Active Adult Athletes. *Journal of Cannabis Research*. 2: 18. <https://doi.org/10.1186/s42238-020-00023-3>
9. **Zeiger JS** & Weiler JM (2020). Special Considerations and Perspectives for Exercise-Induced Bronchoconstriction (EIB) in Olympic and Other Elite Athletes. *The Journal of Allergy and Clinical Immunology: In Practice*. 8(7): P2194-2201. <https://doi:10.1016/j.jaip.2020.01.041>.
10. **Zeiger JS**, Silvers WS, Fleegler EM, Zeiger RS. (2019) Age related differences in cannabis use and subjective effects in a large population-based survey of adult athletes. *Journal of Cannabis Research*. 1: July 29.
11. **Zeiger JS**, Silvers WS, Fleegler EM, Zeiger RS. (2019) Cannabis use in active athletes: Behaviors

- related to subjective effects. June 28. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0218998>
12. **Zeiger JS**, Zeiger RS. (2018) Mental Toughness Latent Classes in Endurance Athletes. *PLOS ONE*. 13(2), e0193071. <https://doi.org/10.1371/journal.pone.0193071>.
  13. Weiler JM, Brannan JD, Randolph CC, Hallstrand TS, Parsons J, Silvers W, Storms W, **Zeiger J**, Bernstein DI, Blessing-Moore J, Greenhawt M. (2016) Exercise-induced bronchoconstriction update—2016. *Journal of Allergy and Clinical Immunology*. Nov 1;138(5):1292-5. <https://doi.org/10.1016/j.jaci.2016.05.029>.
  14. Haberstick BS, **Zeiger JS**, Corley, RP. (2014) Genetic and Environmental Influences on the Allocation of Adolescent Leisure Time Activities. *BioMed Research International*. 2014: 1-12. <https://doi.org/10.1155/2014/805476>.
  15. Haberstick BS, Young SE, **Zeiger JS**, Lessem, JM, Hewitt JK, Hopfer CJ. (2014) Prevalence and correlates of alcohol and cannabis use disorders in the United States: Results from the national longitudinal study of adolescent health. *Drug and Alcohol Dependence*. 136: 158-161. <https://doi.org/10.1016/j.drugalcdep.2013.11.022>.
  16. **Zeiger JS**, Haberstick BC, Corley RP, Ehringer MA, Crowley TJ, Hewitt JK, Hopfer CJ, Stallings MC, Young SE, Rhee SH. (2012) Subjective effects for alcohol, tobacco, and marijuana associated with cross-drug outcomes. *Drug and Alcohol Dependence*. 123: Suppl 1. <https://dx.doi.org/10.1016%2Fj.drugalcdep.2012.02.014>.
  17. Haberstick BS, **Zeiger JS**, Corely RP, Hopfer CJ, Stallings MC, Rhee SH, Hewitt JK. (2010) Common and drug-specific genetic influences on subjective effects to alcohol, tobacco and marijuana use. *Addiction*. 106: 215–224. <https://dx.doi.org/10.1016%2Fj.drugalcdep.2012.02.014>.
  18. **Zeiger JS**, Haberstick BS, Corley RP, Ehringer MA, Crowley TJ, Hewitt JK, Hopfer CJ, Stallings MC, Young SE, Ree SH.(2010) Subjective effects to marijuana associated with marijuana use in community and clinical subjects. *Drug and Alcohol Dependence*. 109(1-3):161-166. <https://dx.doi.org/10.1016%2Fj.drugalcdep.2009.12.026>.
  19. Corley RP, **Zeiger JS**, Crowley T, Ehringer ME, Hewitt JK, Hopfer CJ, Lessem J, McQueen MB, Rhee SH, Smolen A, Stallings MC, Young SE, Krauter K. (2008). Association of candidate genes with antisocial drug dependence in adolescents. *Drug and Alcohol Dependence*. 96(1-2):90-98. <https://dx.doi.org/10.1016%2Fj.drugalcdep.2008.02.004>.
  20. **Zeiger JS**, Haberstick BC, Schlaepfer I, Collins AC, Corley RP, Crowley TJ, Hewitt JK, Hopfer CJ, Lessem J, McQueen MB, Rhee SH, Ehringer MA The neuronal nicotinic receptor subunit genes (CHRNA6 and CHRNB3) are associated with subjective responses to tobacco. (2008) *Hum. Mol. Genet*. 17(5):724-34. <https://doi.org/10.1093/hmg/ddm344>.
  21. Ehringer MA, Clegg HV, Collins AC, Corley RP, Crowley T, Hewitt JK, Hopfer CJ, Krauter K, Lessem J, Rhee SH, Schlaepfer I, Smolen A, Stallings MC, Young SE, **Zeiger JS**. (2007) Association of the neuronal nicotinic receptor beta2 subunit gene (CHRNB2) with subjective responses to alcohol and nicotine. *Am J Med Genet B Neuropsychiatr Genet*. 144(5):596-604. <https://doi.org/10.1002/ajmg.b.30464>.
  22. **Zeiger JS**, Beaty TH, Liang KY. (2005) Oral Clefts, Maternal Smoking, and TGFA: A Meta-Analysis of Gene-Environment Interaction. *Cleft Palate Craniofac J*. 42(1):58-63.

<https://doi.org/10.1597/02-128.1>.

23. Faber MJ, **Zeiger JS**, Spevak PJ, Brenner JI, Ravekes WJ. (2005) Coronary Artery Dilatation and Aortic Outflow Tract Enlargement in Children with Unicommissural Aortic Valves. *Pediatr Cardiol.* 26, 408–412. <https://doi.org/10.1007/s00246-004-0790-6>.
24. **Zeiger JS**, Beaty TH, Hetmanski JB, VanderKolk CA, McIntosh I, Wyszynski DF, Bailey-Wilson JE, Ortiz de Luna R, Perandones C, Tolarova MM, Mosby T, Bennun R, Segovia M, Calda P. (2003) Evidence for Linkage of Non-syndromic Cleft Lip and Palate to a Region on Chromosome 2. *European Journal of Human Genetics.* 11:835-39. <https://doi.org/10.1038/sj.ejhg.5201052>.
25. **Zeiger JS**, Beaty TH. Invited Editorial: Is there a relationship between risk factors for oral clefts? (2002) *Teratology.* 66:205-208. <https://doi.org/10.1002/tera.10104>.
26. **Zeiger JS**, Beaty TH, Hetmanski J, Wang H, Scott AF, Kasch L, Raymond G, Jabs EW, VanderKolk C. (2002) Genetic and environmental risk factors for sagittal craniosynostosis. *The Journal of Craniofacial Surgery.* 13(5):602-606. <https://doi.org/10.1097/00001665-200209000-00002>.
27. **Zeiger JS**, Beaty TH. Gene-environment interaction and risk to oral clefts. In: Wyszynski DF (editor) *Cleft Lip and Palate: From Origin to Treatment.* Oxford University Press: New York. 2002 pp 283-289.
28. Beaty TH, Hetmanski JB, **Zeiger JS**, Fan YT, Liang KY, VanderKolk CA, McIntosh I. (2002). Testing candidate genes for non-syndromic oral clefts using a case-parent trio design. *Genetic Epidemiology.* 22(1):1-11. <https://doi.org/10.1002/gepi.1039>.
29. Beaty TH, Wang H, Hetmanski JB, Fan YT, **Zeiger JS**, Liang KY, Chiu YF, Vanderkolk CA, Seifert KC, Wulfsberg EA, Raymond G, Panny SR, McIntosh I. (2001) A Case-Control Study of Nonsyndromic Oral Clefts in Maryland. *Annals of Epidemiology.* 11(6):434-42. [https://doi.org/10.1016/s1047-2797\(01\)00222-8](https://doi.org/10.1016/s1047-2797(01)00222-8).
30. Beaty T, Maestri N, Hetmanski J, Wyszynski D, VanderKolk C, Simpson J, McIntosh I, Smith EA, **Zeiger JS**, Raymond G, Panny S, Tiffit C, Lewanda A, Cristion C, Wulfsber E. (1997) Testing for interaction between maternal smoking and TGFA genotype among oral cleft cases born in Maryland 1992-1996. *Cleft Palate and Craniofacial Journal.* 34(5):447-54. [https://doi.org/10.1597/1545-1569\\_1997\\_034\\_0447\\_tfibms\\_2.3.co\\_2](https://doi.org/10.1597/1545-1569_1997_034_0447_tfibms_2.3.co_2).
31. Wyszynski DF, **Zeiger J**, Tilli MT, Bailey-Wilson JE, Beaty TH (1998) Survey of genetic counselors and clinical geneticists regarding recurrence risks for families with nonsyndromic cleft lip with or without cleft palate. *American Journal of Medical Genetics.* 79(3):184-90. [https://doi.org/10.1002/\(sici\)1096-8628\(19980923\)79:3%3C184::aid-ajmg6%3E3.0.co;2-n](https://doi.org/10.1002/(sici)1096-8628(19980923)79:3%3C184::aid-ajmg6%3E3.0.co;2-n).
32. Juo SH, Beaty TH, Duffy DL, Maestri NE, Prenger VL, **Zeiger J**, Lei HH, Coresh J (1997) A comprehensive analysis of complex traits in problem 2A. *Genetic Epidemiology.* 14(6):815-20. [https://doi.org/10.1002/\(SICI\)1098-2272\(1997\)14:6%3C815::AID-GEPI42%3E3.0.CO;2-Q](https://doi.org/10.1002/(SICI)1098-2272(1997)14:6%3C815::AID-GEPI42%3E3.0.CO;2-Q).
33. Krueger J and **Zeiger J**. (1993) Social categorization and the truly false consensus effect. *Journal of Personality & Social Psychology.* Vol 65(4) 670-680. <https://doi.org/10.1037/0022-3514.65.4.670>

## ABSTRACTS

1. Wipfler K, Simon T, Kassan S, **Zeiger JS**, Michaud K. Associations Between Fatty Acid Amide Hydrolase Variants and Response to Cannabis Use for Pain Management in Rheumatoid Arthritis. (2022). *American College of Rheumatology Convergence, Philadelphia, PA.*
2. **Zeiger JS**, Silvers WS, Zeiger RS, Nayak AP, Naimi DR, Skypala IJ, Ellis AK, Bernstein JA, for the International Allergists Canna KAP Consortium. Impact of Cannabis Knowledge and Attitudes on Practice in EAACI Members (2022) *European Academy of Allergy and Clinical Immunology Congress, Prague, Czech Republic.*
3. **Zeiger JS**, Silvers WS, Zeiger RS, Nayak AP, Naimi DR, Skypala IJ, Ellis AK, Bernstein JA, for the International Allergists Canna KAP Consortium. The International Cannabis KAP (Knowledge, Attitudes and Practice) Allergist Survey Study. (2021) *American College of Allergy, Asthma, and Immunology Conference, New Orleans, LA.*
4. **Zeiger JS**, Silvers WS, Winder TA, Hart MK, Zeiger RS. (2021) Cannabis attitudes and patterns of use among members of the Allergy & Asthma Network. *Cannabis Research Virtual Conference.*
5. Kinnucan, J, Swaminath, A Sangha M, **Zeiger JS** (2021) Real world dispensary data for IBD patients using medical cannabis. *Cannabis Research Virtual Conference.*
6. **Zeiger JS**, Silvers WS, Fleegler EM, Zeiger RS. (2020) Cannabis attitudes and knowledge are associated with cannabis use in a population-based survey of active adult athletes. *Institute of Cannabis Research Virtual Conference.*
7. **Zeiger JS**, Silvers WS, Fleegler EM, Zeiger RS. (2019) Cannabis use for pain in a large population-based survey of adult athletes. *Institute for Cannabis Research.*
8. Schlaepfer I, Collins A, Corley R, Crowley T, Hewitt J, Hopfer C, Krauter K, Lessem J, Rhee S, Stallings M, Young S, **Zeiger J**, Ehringer M. (2006) The CHRNA5/A3/B4 gene cluster variability as an important determinant of alcohol and tobacco initiation in young adults. *American Society of Human Genetics Meeting.*
9. **Zeiger JS**, Hetmanski JB, McIntosh I, Loffredo C, Beaty TH. (2001) Methylene-tetrahydrofolate reductase and congenital heart defects: Evidence for gene-environment interaction. *American Journal of Human Genetics.* 69(4): supplement
10. **Zeiger JS**, Beaty T, Hetmanski J, McIntosh, I Hwang S-J. (1997) Gene-environment interaction and oral clefts. *Genetic Epidemiology.* 14(5):545.
11. **Zeiger JS**, Beaty T, Hetmanski J, VanderKolk C, Scott A, Kasch L, The Johns Hopkins Craniofacial Clinic (1998) Genetic and environmental risk factors for sagittal craniosynostosis. *American Journal of Human Genetics.* 63(4):A125.
12. **Zeiger JS**, Fan Y-T, Hetmanski J, Mracna M, McIntosh I, VanderKolk C, Beaty T. (1999) Testing candidate genes for risk to oral clefts using case-parent trios. *American Journal of Epidemiology.* 149(11):S67.

## POSTERS

1. **Zeiger JZ**, Silvers WS, Zeiger RS. Peri-Exercise Cannabis Use in Adult Athletes. (2022) Virtual Cannabis Research Conference.
2. Kinnucan, J, Swaminath, A Sangha M, **Zeiger JS** (2021) Real world dispensary data for IBD patients using medical cannabis. *American College of Gastroenterology Conference*. **Abstract won the ACG Auxiliary Award and the Presidential Poster (5% of accepted abstracts each year receive this distinction for high quality, novel, and interesting research).**
3. **Zeiger JS**, Silvers WS, Winder TA, Hart MK, Zeiger RS. (2021) Cannabis attitudes and patterns of use among members of the Allergy Asthma Network (AAN). *AAAAI Virtual Conference*.
4. **Zeiger JS**, Silvers WS, Fleegler EM, Zeiger RS. Cannabinoid use in a population-based survey of adult athletes. *International Cannabinoid Research Society*. Bethesda, MD. July.
5. Corley RP, **Zeiger JS**, Stallings MC, Ehringer MA, Hewitt JK, Lessem J, McQueen M, Rhee SH, Smolen A, Young SE, Krauter K, Crowley T, Hopfer CJ. Association of Candidate Genes with Antisocial Drug Dependence in Adolescents. (2007) *Behavior Genetics Association 37<sup>th</sup> Annual Meeting*. Amsterdam, Netherlands.
6. Corley RP, Stallings MC, Hewitt JK, Young SE, **Zeiger JS**. (2004) Robustness of genome scan results on adolescent dependence vulnerability from the Colorado CADD. *Behavior Genetics Association 34<sup>th</sup> Annual Meeting*. Aix-en-Provence, France.
7. **Zeiger JS**, Hetmanski JB, McIntosh I, Loffredo C, Beaty TH. Methylene-tetrahydrofolate reductase and congenital heart defects: Evidence for gene-environment interaction. *American Society for Human Genetics*, San Diego, CA, October 2001.
8. **Zeiger JS**, Fan Y-T, Hetmanski J, Mracna M, McIntosh I, VanderKolk C, Beaty T. Testing candidate genes for risk to oral clefts using case-parent trios. (1999) *Society for Epidemiologic Research*. Baltimore, MD. September.
9. **Zeiger JS**, Beaty T, Hetmanski J, VanderKolk C, Scott A, Kasch L, (1998) The Johns Hopkins Craniofacial Clinic genetic and environmental risk factors for sagittal craniosynostosis. *American Society for Human Genetics*. Denver, CO. October.
10. **Zeiger JS**, Beaty T, Hetmanski J, McIntosh, I Hwang S-J. (2019) Gene-environment interaction and oral clefts. *International Genetic Epidemiology Society*, Baltimore, MD, October.
11. Wyszinski DF, **Zeiger JS**, Tilli E, Bailey-Wilson JE, Beaty TH. (1997) Survey of Genetic Counselors and Clinical Geneticists on Recurrence Risks for Nonsyndromic Oral Clefts. *American Society of Human Genetics*, Baltimore, MD, October.
12. Krueger J and **Zeiger JS**. Social Categorization and the Truly False Consensus Effect. (1992) *Joint Conference of the Society of Experimental Social Psychology and the European Association of Experimental Social Psychology*, Louvain, Belgium, July.