



CANNA RESEARCH FOUNDATION

Canna Research
Foundation
Impact Report
December 10, 2022

Canna Research Foundation (CRF) was established as a non-profit organization under the Players Philanthropy Fund in Spring, 2020. CRF has continued its work on developing epidemiological studies on the uses of cannabis in target populations, pursuing new collaborations with universities and prominent cannabis researchers, publishing results, and developing the structure of the organization to pursue its mission. In doing so, CRF has forged new relationships, published several papers, and presented at conferences.

CRF has taken the lead in the International Allergist KAP (Knowledge, Attitudes, and Practice) Consortium, a group of over 40 allergists and researchers from the US, Canada, and Europe who are members of one or more of the following societies: American College of Asthma, Allergy, and Immunology; European Academy of Allergy and Clinical Immunology; and/or the Canadian Society of Allergy and Immunology. This collaboration has been fruitful. The consortium published a consensus statement on cannabis allergy as well as an invited review of cannabis allergy. Additionally, CRF led a study of KAP in members of the societies, the results of which have been published and presented. Currently, the consortium is focused on testing for cannabis allergy.

Dr. Joanna Zeiger was appointed to the Governing Board of the Institute of Cannabis Research at CSU Pueblo. Additionally, she has served on their conference planning committee for the 2021 and 2023 Cannabis Research Conference.

We are sorry to announce that one of our board members, Dr. Bill Silvers, resigned due to serious health complications from an accident. We welcome Dr. Jonathan Bernstein to the board. Dr. Bernstein hails from the University of Cincinnati where he is Professor of Clinical Medicine in the Department of Internal Medicine, Division of Rheumatology, Allergy and Immunology at the University of Cincinnati Medical Center and a partner of the Bernstein Allergy Group and Clinical Research Center. He is President-Elect of the American Academy of Allergy, Asthma, and Immunology (AAAAI), a member of the AAAAI foundation, the Joint Task Force Guideline committee, a member of the WAO and Interasma board of directors, GINA advocacy council, and HAEA organization medical advisory board. Dr. Bernstein is the recipient of Distinguished Clinician Awards from the AAAAI and WAO (2019). He has authored over 400 peer-reviewed articles and book chapters and is the editor of five books pertaining to asthma, rhinitis and immunodeficiency.

Publications

CRF published three papers in 2022. Our work has gained exposure on social media and has been picked up by several newswire sites and has led to several podcast interviews.

1. Toscano A, Ebo DG, Abbas K, Brucker H, Decuyper II, Naimi D, Nanda A, Nayak AP, Skypala IJ, Sussman G, **Zeiger JS**, William S Silvers. (2022) A review of cannabis allergy in the early days of legalization. *Annals of Allergy, Asthma & Immunology*. Online Oct 26. <https://doi.org/10.1016/j.anai.2022.10.016>.
2. **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.
3. 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>

Presentations and Posters

1. Wipfler K, Simon T, Kassin 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. Real-World Impact of Cannabis Knowledge and Attitudes on Practice in CSACI Members (2022) Canadian Society of Allergy and Immunology, Quebec City Canada.
3. 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.
4. Zeiger JZ, Silvers WS, Zeiger RS. Peri-Exercise Cannabis Use in Adult Athletes. (2022) Virtual Cannabis Research Conference.
5. 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).**

Studies

- **Completed** The Athlete PEACE Survey Study (Pain, Exercise, and Cannabis Experience)
 - ✓ Aims were to examine cannabis patterns of use, knowledge and attitudes, and subjective effects in allergic/asthmatic individuals.
 - ✓ Study was completed in 2019.
- **Completed** Allergy & Asthma Network PEACE (Pain, Exercise, and Cannabis Experience) Study
 - ✓ Aims were to examine cannabis patterns of use, knowledge and attitudes, and subjective effects in allergic/asthmatic individuals.
 - ✓ Study recruitment: May 7 through September 7, 2020
- **Completed:** Participating in the International Allergists Cannabis Knowledge, Attitudes and Practices (KAP) collaboration a multi-national collaboration with the US, Canada, and Europe.
 - ✓ The collaboration has several objectives: cannabis allergy consensus statement, biobank and registry, survey of allergists about cannabis knowledge, attitudes, and practice.
 - ✓ **CRF led the International Allergists Cannabis KAP Survey.**
- **In progress** American College of Asthma, Allergy and Immunology Community Foundation Grant to create educational materials for allergists regarding cannabis.
- **Just funded** Rheumatology Research Foundation Grant to study KAP in rheumatologists and rheumatology patients. In addition, cannabis patters of use will be examined in rheumatology patients.
- **Pending:** Submitted a grant in collaboration with four other entities to the NIH for a national cannabis registry.

The success of our organization is multi-faceted. We aim to conduct rigorous research that is unassailable. In pursuit of this goal, we are collaborating with researchers whose aims align with ours. And, most importantly, we need your input and help with fundraising to enable us to continue our prolific research and launch evidence-based educational programs.
