NAME: Eric J Bishop-von Wettberg

POSITION TITLE & INSTITUTION: Associate Professor, University of Vermont

A. PROFESSIONAL PREPARATION - (see PAPPG Chapter II.C.2.f.(i)(a))

INSTITUTION	LOCATION	MAJOR/AREA OF STUDY	DEGREE (if applicable)	YEAR (YYYY)
UC Davis	Davis, CA, USA	NIH NRSA postdoc Ecological Genomics	Postdoctoral Scholar	2007-2009
Brown University	Providence RI USA	Ecology and Evolution	Ph.D	2007
Copenhagen University	Copenhagn Denmark	Agroecology	NA	2000
Swarthmore College	Swarthmore PA, USA	Biology	BA	1999

B. APPOINTMENTS - (see PAPPG Chapter II.C.2.f.(i)(b))

From - To	Position Title, Organization and Location
2020 - 2022	Director, Food Systems Graduate Program, University of Vermont, Burlington VT USA
2019 -	Associate Professor, Plant and Soil Science, University of Vermont, Burlington VT USA
2022	Visiting Scholar, Center of Excellence in Plant Science, University of Cologne, Germany
2017 - 2019	Assistant Professor, Plant and Soil Science, University of Vermont, Burlington VT USA
2017 - 2018	Fulbright Specialist, Addis Ababa University, Addis Ababa Ethiopia
2017 - 2019	Guest Scholar, Peter the Great Polytechnical University, St. Petersburg, Russia
2017	Chinese Academy of Sciences Scholar, South China Botanical Garden, Guangzhou, China
2016 - 2017	Associate Professor, Biological Sciences, Florida International University, Miami, FL USA
2010 - 2016	Assistant Professor, Biological Sciences, Florida International University, Miami, FL USA
2010 - 2014	Conservation Geneticist, Fairchild Tropical Botanic Garden, Coral Gables FL USA
2012 - 2014	HHMI Faculty Teaching Scholar, Florida International University, Miami FL USA
2011	Visiting Scholar, Ecole Nacional Superieure Agronomique de Toulouse, Toulouse France
2007 - 2009	NIH National Research Service Award postdoctoral Scholar, UC Davis, Davis, CA USA
2004 – 2007	EPA Science to Achieve Results Graduate Fellow, Brown University, Providence, RI USA
2000	New York State Department of Environmental Cons., Naturalist, Shelburne NY
1999 - 2000	Fulbright Scholar and Rotary Scholar, Copenhagen University, Copenhagen Denmark

C. PRODUCTS - (see PAPPG Chapter II.C.2.f.(i)(c)) Products Most Closely Related to the Proposed Project

1. von Wettberg EJ, Chang PL, Carrasquila-Garcia N, Tesfaye K, Bekun B, Nuzhdin SV, Cook DR etal. 2018. Ecology and community genomics of an important crop wild relative as a prelude to agricultural innovation. Nature Communications, 9, doi:10.1038/s41467-018-02867-z
2. Varshney RK*, Roorkiwal M, Sun S, Bajaj P, Chitikineni A, Thudi M, Singh NP, Du A, Khan AW, Wang Y, Garg V, Upadhyaya HD, Fan G, Cowling W, Crossa J, Gentzbittel L, Voss-Fels K, Valluri V, Sinha P, Singh VK, Ben C, Rathore A, Ramu P, Singh MK, Tar'an B, Bharadwaj C, Yasin M, Pithia MS, Singh S, Soren KR, Kudapa H, Jarquin D, Hickey L, Dixit GP, Hamwieh A, Kumar S, Deokar S, Chaturvedi SK, Howard R, Edwards D, Lyons E, Kumar A, Vigouroux Y, Hayes B, von Wettberg EJ, Datta SK, Yang H, Nguyen H, Wang J, Siddique KHM, Mohapatra T, Bennetzen JL, Xun X, Xin L. 2021 A global reference for chickpea genetic variation based on the sequencing of 3,366 genomes. *Nature.* *https://doi.org/10.1038/s41586-021-04066-1*
3. Varshney RK, Saxena RK, Kim B, Penmetsa RV, von Wettberg EJ, Datta SK. et al., 2017. Whole genome re-sequencing of 292 pigeonpea cultivars, landraces and wild species accessions provides targets for domestication and genomic regions associated with agronomic traits for crop improvement. Nature Genetics, doi:10.1038/ng.3872 Varshney RK, Thudi M, Penmetsa RV, von Wettberg EJ, Vigouroux Y, Liu X, Xun X et al. Resequencing of 429 chickpea accessions from 45 countries provides insights into genome diversity, domestication and agronomic traits. Nature Genetics, 51(5), p.857.
4. Marques E, Kur A, Bueno E., and von Wettberg EJ. 2020. Defining 'rotational value' of crops. Crop Science, DOI: 10.1002/csc2.20200
5. Turner, T.L., Bourne, E.C., von Wettberg, E.J., Hu, T.L., and Nuzhdin, S.V. 2010. Population resequencing reveals local adaptation of Arabidopsis lyrata to serpentine soils. Nature Genetics, 43, 260-263.

Other Significant Products, Whether or Not Related to the Proposed Project

1. Greenlon A, von Wettberg EJ, Cook DR et al. 2019. Global-level population genomics reveals differential effects of geography and phylogeny on horizontal gene transfer in soil bacteria. PNAS, https://doi.org/10.1073/pnas.1900056116
2. Warschefsky EJ1, von Wettberg EJ. 2019 Population genetics and human dispersal of mangoes. New Phytol.: https://doi.org/10.1111/nph.15731
3. Warschefsky, EJ, Penmetsa RV, Cook DR, and von Wettberg EJ 2014 Back to the wilds: tapping evolutionary adaptations for resilient crops through systematic hybridization with crop wild relatives, Am J Bot.
4. Friesen, M.L., Porter, S.S., Stark, S.C., von Wettberg, E.J., Sachs, J., and Martinez-Romero, E. 2011. Microbially mediated functional plant traits. Annual Review of Ecology Evolution and Systematics. 42: 23-46
5. Penmetsa RV, Carrasquilla-Garcia N, Bergmann EM, Vance L, Castro B, , Varshney RK, von Wettberg EJB, Cook DR et al. (2016). Multiple post-domestication origins of kabuli chickpea through allelic variation in a diversification-associated transcription factor. New Phytologist doi:10.1111/nph.14010).

D. SYNERGISTIC ACTIVITIES - (see PAPPG Chapter II.C.2.f.(i)(d))

1. Editorial Board: *Plants People and Planet* (New Phytologist Trust): 2017 – ; *The Plant Genome:* 2022 - ; Special Issue editor: Frontiers in Plant Science (2019 -), Agronomy (2018-2022), Frontiers in Plant Science (2018 -), International Journal of Molecular Sciences (2019-2020), Legume Perspectives (2020)
2. Selected Reviewing: NSF Plant Genome Research Program and DEB Panelist (6X, 2014-2018), Population Biology and International Research Fellowship Panels, Ad Hoc Reviewer (2007-2018), BBSRC, Ad hoc Reviewer (2014, 2018), German DAAD Exchange Programme Ad hoc Reviewer (2013-2015),
3. Increasing Scientific Participation: Alnobaiwi (Vt. Indigenous Heritage Center) partner (2020-) ; NSF REU and USDA REEU mentor (2019 -); Service Learning Faculty Fellow (2019 – 2020); FIU MARC USTAR Faculty Mentor (2010 - 2017), FIU MBRS-RISE Faculty Mentor (2010 - 2017), HHMI Faculty Scholar (2012-2014)
4. Advisory Boards: Foundation for a Smoke Free World (2019 -2022); Takkacor Sensors (2020 -); Dugu Metrics (2021 -)