***Noa Kekuewa Lincoln***

Associate Researcher

Tropical Plant and Soil Sciences

FTE Distribution: 25% I, 75% R

**Education**

Degree University Major

BS Yale University Environmental Engineering

PhD Stanford University Biogeochemistry; Social Ecology

**Professional Appointments**

Title Employer Dates Employed

Associate Researcher University of Hawai‘i at Mānoa 2020-present

Assistant Researcher University of Hawai’i at Mānoa 2015-2020

Adjunct Researcher Canterbury University 2013-2015

Field Supervisor Hawaii Community College 2006-2008

Ethnobotany Educator Bishop Museum 2005-2008

Project Coordinator RCUH 2004-2005

**Courses Taught**

Course ID Credits Semester/Year No of Students

TPSS/SUST 200 9 Fall 2022 120

TPSS 431 1 Fall 2022 11

TPSS/SUST 200 9 Fall 2021 104

TPSS 431 1 Fall 2021 18

TPSS/SUST 200 9 Fall 2020 95

TPSS 431 1 Fall 2021 16

TPSS/SUST 200 9 Fall 2019 64

TPSS/ANTH 431 1 Fall 2019 16

TPSS 200 3 Fall 2018 40

TPSS 431 1 Fall 2018 13

TPSS 156 / L 4 Summer 2018 14

TPSS 200 3 Fall 2017 21

TPSS 431 1 Fall 2017 5

TPSS 156 / L 4 Summer 2017 22

BIO 156 (Hilo) 3 Summer 2017 10

MARE 156L (Hilo) 1 Summer 2017 10

TPSS 200 3 Fall 2016 18

TPSS 491 1 Fall 2016 4

TPSS 670 3 Fall 2016 4

BIO 156 (Hilo) 3 Summer 2016 10

MARE 156L (Hilo) 1 Summer 2016 10

TPSS 200 3 Fall 2015 25

**Publications**

Books

**Lincoln, N.K.** (2020) Ko: An Ethnobotanical Guide to Native Hawaiian Sugarcane Varieties. University of Hawai‘i Press; Honolulu, Hawai‘i, USA

Book Chapters

**Lincoln, N.K.** (2020). [State of Our Starches](https://www.google.com/url?q=https%3A%2F%2Fscholarspace.manoa.hawaii.edu%2Fbitstream%2F10125%2F70171%2F9780824889159.pdf&sa=D&sntz=1&usg=AFQjCNHBZQ2Ir0NnIJdVIhfi6xukyRm2-w). In Goodyear-Ka‘ōpua, N., Howes, C., Osorio, J. K. K. O., & Yamashiro, A. [eds] *The Value of Hawai’i 3: Hulihia, the Turning*. University of Hawai’i Press; Honolulu, Hawai’i, USA.

**Lincoln, N. K.**, Kagawa-Viviani, A., Marshall, K., and Vitousek, P. (2017) Observations of Sugarcane in Traditional Hawaiian Cropping Systems. In *Sugarcane: Production Systems, Uses, and Economic Impact*. Rachel Murphy (ed).Nova Science Publishers, Hauppauge, NY, USA

Refereed Journal Publications

**Lincoln, N**., Anderson, T., Kantar, M., You, Q., & Wang, J. (2022). [Diversity and Value of Extant Hawaiian Sugarcane (Saccharum officinarum [L.]) Cultivars.](https://www.google.com/url?q=https%3A%2F%2Fwww.researchgate.net%2Fprofile%2FNoa-Lincoln%2Fpublication%2F358016913_Diversity_and_Value_of_Extant_Hawaiian_Sugarcane_Saccharum_officinarum_L_Cultivars%2Flinks%2F61efc06f8d338833e393d0eb%2FDiversity-and-Value-of-Extant-Hawaiian-Sugarcane-Saccharum-officinarum-L-Cultivars.pdf&sa=D&sntz=1&usg=AOvVaw3_XiGhOaP6UGzJpEKd256V) Economic Botany, 1-15.

Quintus, S., Mills, P., Konter, J., Day, S., Gilreath, D., **Lincoln, N.K**., Lundblad, S., Vonderhaar, D., and Yoo, K. (2022) [Trace element and Pb isotope analyses highlight decentralized inter-island exchange in American Sāmoa (Polynesia)](https://www.google.com/url?q=https%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%2Fs12520-022-01571-w&sa=D&sntz=1&usg=AOvVaw3mirGpuorDssAaPFL_p3t-). Archaeological and Anthropological Sciences, 14:103. https://doi.org/10.1007/s12520-022-01571-w

Sirabis, W. C., Kantar, M. B., Radovich, T., & **Lincoln, N. K**. (2022). [Nitrogen Dynamics and Sweet Potato Production under Indigenous Soil Moisture Conservation Practices in the Leeward Kohala Field System, Hawai’i Island.](https://www.google.com/url?q=https%3A%2F%2Fwww.mdpi.com%2F2571-8789%2F6%2F1%2F16%2Fpdf&sa=D&sntz=1&usg=AOvVaw05utzxt6QBeFjZYAoJIAHc) Soil Systems, 6(1), 16.

Wiseman B.J., **Lincoln N.K**., Wall M.M., Paull R.C. 2022. Influence of Maturity and 1-MCP on Postharvest Ripening of Breadfruit [abstract]. HortScience 57(9S):S111. [https://doi.org/10.21273/HORTSCI.57.9S.S1](https://www.google.com/url?q=https%3A%2F%2Fdoi.org%2F10.21273%2FHORTSCI.57.9S.S1&sa=D&sntz=1&usg=AOvVaw3qpyuUhEcGDLuRSpoqPZjZ)

Bendes, M. S., & **Lincoln, N. K.** (2021). [Impacts of underground competition and establishment on growth and root ARCHITECTURE of breadfruit (Artocarpus altilis) and māmaki (Pipturus albidus)](https://www.google.com/url?q=https%3A%2F%2Fwww.sciencedirect.com%2Fscience%2Farticle%2Fpii%2FS2452219821000331&sa=D&sntz=1&usg=AFQjCNFNiOxKTewiscVc_fAgtT32dXYLFA). Rhizosphere, 100337.

Eng, S., Khun, T., Esquivel, M., Ooki, N., Bloese, J., Sand, S., & **Lincoln, N**. (2021). [Farmers’ Perceived Needs of Extension’ Support During Covid-19 in Hawai'i](https://www.google.com/url?q=https%3A%2F%2Ftigerprints.clemson.edu%2Fcgi%2Fviewcontent.cgi%3Farticle%3D1344%26context%3Djoe&sa=D&sntz=1&usg=AOvVaw3QAMehYHSIhQC_lps415L6). Journal of Extension, 59(2), 15.

Fardkhales, S. A., & **Lincoln, N.** (2021). [Food hubs play an essential role in the COVID-19 response in Hawai ‘i](https://www.google.com/url?q=https%3A%2F%2Fwww.foodsystemsjournal.org%2Findex.php%2Ffsj%2Farticle%2Fview%2F937%2F910&sa=D&sntz=1&usg=AFQjCNGYjx307lsHr2YkeebWuRLLwLH9ig). Journal of Agriculture, Food Systems, and Community Development, 10(2), 1-18.

**Lincoln, N.,** Zhang, Q., & Chen, Q. (2021). [State of the State Tree: Historical and Modern Ecology of Kukui (Candlenut, Aleurites Moluccanus) in Hawai ‘i](https://www.google.com/url?q=https%3A%2F%2Fbioone.org%2Fjournals%2Fpacific-science%2Fvolume-74%2Fissue-4%2F74.4.9%2FState-of-the-State-Tree--Historical-and-Modern-Ecology%2F10.2984%2F74.4.9.short&sa=D&sntz=1&usg=AFQjCNHGDTHpxYxKDWcxAL3LN7k4YQy1ew). Pacific Science, 74(4), 419-434.

Quintus, S., Autufuga, D., Day, S., Huebert, J., **Lincoln, N. K.,** Motu, N., & Yoo, K. (2021). [Tracking Emergent Spatial and Social Patterns across Terraced Landscapes in Polynesia](https://www.google.com/url?q=https%3A%2F%2Fwww.researchgate.net%2Fprofile%2FSeth-Quintus%2Fpublication%2F357353984_Tracking_Emergent_Spatial_and_Social_Patterns_across_Terraced_Landscapes_in_Polynesia%2Flinks%2F61cdfd32d4500608167acba6%2FTracking-Emergent-Spatial-and-Social-Patterns-across-Terraced-Landscapes-in-Polynesia.pdf&sa=D&sntz=1&usg=AOvVaw10IvCww9UXLzioSosUsPFQ). Journal of Field Archaeology, 1-16.

Hill, A. J., **Lincoln, N. K**., Rachmilevitch, S., & Shelef, O. (2020). [Modified Hiltner Dew Balance to Re-Estimate Dewfall Accumulation as a Reliable Water Source in the Negev Desert](https://www.google.com/url?q=https%3A%2F%2Fwww.mdpi.com%2F2073-4441%2F12%2F10%2F2952%2Fpdf&sa=D&sntz=1&usg=AFQjCNFwS3WTeT4C4FbUcQce_Ht0Lc4EmA). *Water*, *12*(10), 2952.

**Lincoln, N. K.** (2020). [Agroforestry form and ecological adaptation in ancient Hawai'i: Extent of the pākukui swidden system of Hāmākua](https://www.google.com/url?q=https%3A%2F%2Fwww.sciencedirect.com%2Fscience%2Farticle%2Fpii%2FS0308521X19309576%3Fcasa_token%3DYS7MlCb5QlkAAAAA%3Ai0lwn7aNecSw-RAiALfY-Fy_WZ7bLFjUjAFJpxDWJcJU5BJT1y-pDkqk5Zp58FS1R4KUtLEe&sa=D&sntz=1&usg=AFQjCNHYP_B3XLwit2lM0MyhJbVweLmlnQ), Hawai'i Island. *Agricultural Systems*, *181*, 102808.

Mausio, K., Miura, T., & **Lincoln, N. K.** (2020). [Cultivation potential projections of breadfruit (Artocarpus altilis) under climate change scenarios using an empirically validated suitability model calibrated in Hawai’i](https://www.google.com/url?q=https%3A%2F%2Fjournals.plos.org%2Fplosone%2Farticle%3Fid%3D10.1371%2Fjournal.pone.0228552&sa=D&sntz=1&usg=AFQjCNHxjbSICTEDOtsZFJWVNK6S-8l1sg). *Plos one*, *15*(5), e0228552.

Needham, A., Jha, R., & **Lincoln, N. K.** (2020). [The Response of Breadfruit Nutrition to Local Climate and Soil: A Review](https://www.google.com/url?q=https%3A%2F%2Fwww.sciencedirect.com%2Fscience%2Farticle%2Fpii%2FS0889157519309664%3Fcasa_token%3D0txMBsJ_uNcAAAAA%3AIF95IYbmioCzsYPpJieoxwdxqE8DJXG1yswNltw-uXAO7oRxFAnhDO5v2aafx3VCEZZwcnK0&sa=D&sntz=1&usg=AFQjCNFo1_5MNP_hvpthayE0ie8AmsqEvw). *Journal of Food Composition and Analysis*, 103451.

Quintus, S., Huebert, J., Day, S., **Lincoln, N.,** Yoo, K., Lee, T., ... & Autufuga, D. (2020). [Tempo and Trajectory of The Built Landscape on Ta ‘Ū Island, Manu‘a Group, American Sāmoa: Integrating Extensive Radiocarbon Dating With Joint Posterior Modeling](https://www.google.com/url?q=https%3A%2F%2Fwww.researchgate.net%2Fprofile%2FSeth_Quintus%2Fpublication%2F343083215_TEMPO_AND_TRAJECTORY_OF_THE_BUILT_LANDSCAPE_ON_TA%27U_ISLAND_MANU%27A_GROUP_AMERICAN_SAMOA_INTEGRATING_EXTENSIVE_RADIOCARBON_DATING_WITH_JOINT_POSTERIOR_MODELING%2Flinks%2F5f15e846a6fdcc3ed718dde3%2FTEMPO-AND-TRAJECTORY-OF-THE-BUILT-LANDSCAPE-ON-TAU-ISLAND-MANUA-GROUP-AMERICAN-SAMOA-INTEGRATING-EXTENSIVE-RADIOCARBON-DATING-WITH-JOINT-POSTERIOR-MODELING.pdf&sa=D&sntz=1&usg=AFQjCNEmmIPsgxbr92HnsKAm6ytBPYae5w). *Radiocarbon*, 1-21.

Winter, K., **Lincoln, N.,** Berkes, F., Alegado, R., Kurashima, N., Frank, K., ... & McClatchey, W. (2020). [Ecomimicry in Indigenous resource management: optimizing ecosystem services to achieve resource abundance, with examples from Hawaiʻi](https://www.google.com/url?q=https%3A%2F%2Fwww.ecologyandsociety.org%2Fvol25%2Fiss2%2Fart26%2FES-2016-8491.pdf&sa=D&sntz=1&usg=AFQjCNE3_FtsX3J3gMLlWRfDgKIVOeo42A). *Ecology and Society*, *25*(2).

Winter, K., Rii, Y., Reppun, F., Hintzen, K., Alegado, R., Bowen, B., ...**Lincoln, N**.,… & Falinski, K. (2020). [Collaborative research to inform adaptive comanagement: a framework for the Heʻeia National Estuarine Research Reserve](http://www.google.com/url?q=http%3A%2F%2Fwww.ecologyandsociety.org%2Fvol25%2Fiss4%2Fart15%2F&sa=D&sntz=1&usg=AFQjCNGnedAZF3v4MeFIQvmhQqGnhea5jA). *Ecology and Society*, *25*(4).

**Lincoln, N. K**., Cho, A., Dow, G., & Radovich, T. (2019). [Early Growth of Breadfruit in a Variety× Environment Trial](https://www.google.com/url?q=https%3A%2F%2Facsess.onlinelibrary.wiley.com%2Fdoi%2Fabs%2F10.2134%2Fagronj2019.02.0068&sa=D&sntz=1&usg=AFQjCNHoRzZxY904GfelBHgUE3juZiUevQ). *Agronomy Journal*, *111*(6), 3020-3027.

**Lincoln, N.K.**, Radovich, T., Acosta, K., Isele, E., Cho, A. (2019). [Towards standardization of foliar tissue sampling of breadfruit](https://www.google.com/url?q=https%3A%2F%2Fjournals.ashs.org%2Fhorttech%2Fview%2Fjournals%2Fhorttech%2F29%2F4%2Farticle-p443.xml&sa=D&sntz=1&usg=AFQjCNEEz9PVXazMROy_at-lY9bnUAktng). *Hort. Tech.* 29(4):443-449

Needham, A., & **Lincoln, N.** (2019). [Interactions between People and Breadfruit in Hawai’i: Consumption, Preparation, and Sourcing Patterns](https://www.google.com/url?q=https%3A%2F%2Fwww.mdpi.com%2F2071-1050%2F11%2F18%2F4983%2Fpdf&sa=D&sntz=1&usg=AFQjCNHQbc5P6yJIOIGzxuen_rccumvw5Q). *Sustainability*, *11*(18), 4983.

Quintus, S., Huebert, J., Kirch, P. V., **Lincoln, N.K.,** & Maxwell, J. (2019). [Qualities and Contributions of Agroforestry Practices and Novel Forests in Pre-European Polynesia and the Polynesian Outliers](https://www.google.com/url?q=https%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%2Fs10745-019-00110-x&sa=D&sntz=1&usg=AFQjCNHt4WWygUYEUOv4Xw7ri-Wa6La__Q). *Human Ecology*, 1-15.

Kagawa-Viviani, A., Levin, P., Johnson, E., Kantar, M., Ooka, J., Baker, J.D., and **Lincoln, N.K.** (2018) I ke ēwe ‘āina o ke kupuna: Hawaiian ancestral crops in perspective. *Sustainability* 10(12), 4607

Langston, B., and **Lincoln, N.K.** (2018). The role of breadfruit in biocultural restoration and sustainability in Hawai‘i. *Sustainability* 10(11), 3965

**Lincoln, N.K.,** Rossen, J., Vitousek, P., Kahoonei, J., Shapiro, D., Kalawe, K., Pai, M., Marshall, K., and Meheula, K. (2018). Restoration of ‘āina malo‘o on Hawai‘i Island: Expanding Biocultural Relationships. *Sustainbility* 10(11), 3985

**Lincoln, N.K.,** McCoy, M.D., and Ladefoged, T. (2018). Stable carbon and nitrogen isotopes in kukui (Aleurites moluccanus) endocarp along rainfall and elevation gradients: archaeological implications. *PLoS One* 13(10), e0204654

Kagawa-Viviani, A., **Lincoln, N.K.,** Quintus, S., Lucas, M., & Giambelluca, T. (2018). Spatial patterns of seasonal crop production suggest coordination within and across dryland agricultural systems of Hawaiʻi Island. *Ecology and Society*, *23*(3), 20

Ladefoged, T. N., Preston, A., Vitousek, P. M., Chadwick, O. A., Stein, J., Graves, M. W., & **Lincoln, N.K.** (2018). Soil nutrients and pre‐European contact agriculture in the leeward Kohala field system, Island of Hawai ‘i. *Archaeology in Oceania*, *53*(1), 28-40.

**Lincoln, N.K**., D. Ragone, N. Zerega, L.B. Roberts-Nkrumah, M. Merlin, and A.M Jones. (2018). Grow us our daily bread: A review of breadfruit cultivation in traditional and contemporary systems. *Horticultural Reviews*, 46, 288-384.

Quintus, S., & **Lincoln, N. K**. (2018). Integrating Local and Regional in Pre-Contact Hawaiian Agriculture at Kahuku, Hawai‘i Island. *Environmental Archaeology* 2018, 1-16.

Winter, K.B., **Lincoln, N.K.,** and Berkes, F. (2018). The socio-ecological keystone concept: A quantifyable metaphor for understanding the structure, function, and resilience of a biocultural system. *Sustainability*. 10(9), 3294.

Gould, R., and **Lincoln, N. K.** (2017) Expanding the suite of Cultural Ecosystem Services to include ingenuity, perspective, and life teaching. *Ecosystem Services* 25(2017), 117-127*.*

**Lincoln, N. K.,** and Vitousek, P. M. (2017). Indigenous Polynesian Agriculture in Hawai‘i. *Oxford Research Encyclopedias; Environmental Science* March (2017). DOI: 10.1093/acrefore/9780199389414.013.376

Marshall, K., Koseff, C., Roberts, A., Lindsey, A., Kagawa-Viviani, A., **Lincoln, N. K.**, and Vitousek, P. (2017). Restoring People and Productivity to Puanui: Challenges and opportunities in the restoration of an intensive rain-fed Hawaiian field system. *Ecology and Society* 22(2): 23-32

**Lincoln, N**, & Ardoin, N. (2016). Farmer Typologies: Who is Farming How and What. *Food, Culture, and Environment* 19(3): 563-585

Giovanni, Z., Irene, P., András, B., Jon, C., Roberta, A., & **Lincoln, N. K.** (2015). Sustainable landscape development and value rigidity: the Pirsig‘s monkey trap. *Landscape Online* 40, 1-19

**Lincoln, N**., & Ardoin, N. (2015) Cultivating Values: Environmental Values and Sense of Place as Predictors for Sustainable Agricultural Practices in Five Categories. *Culture, Agriculture, and the Environment,* 33(2), 389-401

**Lincoln, N**., & Vitousek, P. M. (2015) Effects of Sugarcane and Farming Practices on Nitrogen Distribution and Cycling in Pre-European Hawaiian Agriculture. *International Journal of Sustainable Agriculture*, 14(2), 214-231

Non-refereed Journal Publications

Chang, K., Winter, K.B., and **Lincoln, N.K.** (2019) Hawai‘i in focus: navigating pathways in global biocultural leadership. *Sustainability* 11(1), 283

Langston, B.J., and **Lincoln, N.K.** (2019) Benefits of Citizen Science in Agronomic Research: The breadfruit phenology project. *Rural Connections* (Spr/Sum), 30-32.

**Lincoln, N.K.** (2019). Learning from Indigenous Agriculture. *Nature Sustainability* 1(1), 167

Extension Publications

Wiseman, B., Chen, N.J., **Lincoln, N**., and Paull, R. (2021) ['Ulu — Breadfruit — Postharvest Handling and Quality Maintenance Guidelines](https://www.google.com/url?q=https%3A%2F%2Fwww.ctahr.hawaii.edu%2Foc%2Ffreepubs%2Fpdf%2FFN-58.pdf&sa=D&sntz=1&usg=AFQjCNHy1yDTzl2qp1R6W22Px1illlwp5g). College of Tropical Agriculture and Human Resources.

**Lincoln, N**., Lucero, A., Ednie, E., Isele, E., and Shapiro, D. (2019). ['Ulu Propagation Techniques for Backyard and Commercial Growers](https://www.google.com/url?q=https%3A%2F%2Fcdn.shopify.com%2Fs%2Ffiles%2F1%2F2263%2F2015%2Ffiles%2FUluPropagationTechniques_Nov2018.pdf%3F30&sa=D&sntz=1&usg=AFQjCNG36KazEUiJtfYmdSdlh9ezYlZF6Q). Hawai'i 'Ulu Producers Cooperative.

**Lincoln, N.,** Lucero, A., Carter, C., and Shapiro, D., (2019). [Pruning Breadfruit.](https://www.google.com/url?q=https%3A%2F%2Fcdn.shopify.com%2Fs%2Ffiles%2F1%2F2263%2F2015%2Ffiles%2FPruningBreadfruitHandbook_Mar2019.pdf%3F31&sa=D&sntz=1&usg=AFQjCNFplb-OVe75-QoTLoPwOf9griYnOA) Hawai'i 'Ulu Producers Cooperative.

Creative Works (ex. Extension Videos, Websites, Blogs, etc.)

Lincoln, N. (2017) Description of Hawaiian Sugarcane Varieties. Retrieved from: <http://cms.ctahr.hawaii.edu/cane>

Extension Leadership Roles (Committees, Boards, Advisory, etc.)

Hawai’i Farmers’ Union United: Board Member Kona Chapter

Ulu Mau Puanui: Board Member and Science Advisor

Hawai‘i ‘Ulu Producers Coopearative: Production Advisor

Kuleana Rum: Production Advisor and Cultural Advisor

‘Āina Momona: Board Member

Friends of the Amy BH Greenwell Ethnobotanical Garden: Board Member

**Graduate Students (Most recent year only)**

Category Number of Students Number that Graduated

*Chair* of Master Committees 8 2

*Chair* of PhD Committees 2 0

Member of Master Committees 5 2

Member of PhD Committees 1 0

**Grant Support**

Title of Grant: Soil Rehabilitation Planning and Implementation for Kūkaniloko

Source of Grant: Office of Hawaiian Affairs

Dollar Value: $80,000

Dates of Grant: June 2021-June 2022

Role: PI

Title of Grant: Leveraging Existing Research Plantings of Breadfruit (Artocarpus altilis) to Understand Drivers of Fruit Quality and its Impacts on Post-Harvest Processes and Profits

Source of Grant: Office of Hawaiian Affairs

Dollar Value: $480,000

Dates of Grant: January 2021 – December 2025

Role: PI

Title of Grant: Soil Rehabilitation Planning and Implementation for Kūkaniloko

Source of Grant: Office of Hawaiian Affairs

Dollar Value: $50,000

Dates of Grant: June 2020-June 2021

Role: PI

Title of Grant: Soil Pedogenesis, Agroecology, and their Interactions

Source of Grant: National Science Foundation

Dollar Value: $822,484

Dates of Grant: July 2020-June 2025

Role: PI

Title of Grant: Soil Rehabilitation Planning and Implementation for Kūkaniloko

Source of Grant: Office of Hawaiian Affairs

Dollar Value: $50,000

Dates of Grant: April 2019-April 2020

Role: PI

Title of Grant: Cataloging and Testing Breadfruit Diseases in Hawai’i

Source of Grant: Western SARE

Dollar Value: $49,998

Dates of Grant: July 2019-June 2021

Role: PI

Title of Grant: Land Suitability Analysis for Crop Growth in Hawai‘i

Source of Grant: HATCH-USDA

Dollar Value: $80,000

Dates of Grant: October 2017-October 2019

Role: Co-PI

Title of Grant: Supplementary Funding for Breadfruit Variety Trials in Maui County

Source of Grant: Maui County R&D

Dollar Value: $2,750

Dates of Grant: January 2019-December 2019

Role: PI

Title of Grant: Supplementary Funding for Experimental Breadfruit Processing Facility in Honalo, Hawai‘i

Source of Grant: Hawai’i State Department of Agriculture

Dollar Value: $15,000

Dates of Grant: January 2018-June 2018

Role: PI

Title of Grant: Hawai‘i Conservation Experience

Source of Grant: Dorrance Family Foundation

Dollar Value: $70,000

Dates of Grant: January 2017-August 2017

Role: Co-PI

Title of Grant: Examining the Development of Economic Landscapes on Tau Island from 1500-200BP

Source of Grant: NSF-Archaeology

Dollar Value: $231,943

Dates of Grant: May 2017-May 2020

Role: Co-PI

Title of Grant: Establishing a Commercial-scale Breadfruit Propagation Facility in Hawai‘i County

Source of Grant: Hawai’i County R&D

Dollar Value: $24,982

Dates of Grant: January 2017 – December 2017

Role: PI

Title of Grant: Establishing a Commercial-scale Breadfruit Propagation Facility in Hawai‘i County

Source of Grant: Hawai’i State Department of Agriculture

Dollar Value: $30,000

Dates of Grant: January 2017 – December 2017

Role: PI

Title of Grant: Experiential Learning 4 Resilient Cʻs: Culture, Community, Conservation, and Climate

Source of Grant: USDA-NIFA

Dollar Value: $278,688

Dates of Grant: April 2017 – May 2020

Role: Co-PI

Title of Grant: Gut Microbiome Changes During Introduction of Poi as the First Solid Food in Breastfed Infants

Source of Grant: C-MAIKI

Dollar Value: $25,000

Dates of Grant: June 2017 – June 2020

Role: Co-PI

Title of Grant: Publication and Promotion of *Kō: An Ethnobotnaical Guide to Native Hawaiian Sugarcane Varieties*

Source of Grant: Private Donor

Dollar Value: $30,000

Dates of Grant: June 2017 – June 2020

Role: PI

Title of Grant: Breadfruit Production Practices

Source of Grant: Western SARE

Dollar Value: $220,812

Dates of Grant: April 2017 – April 2020

Role: PI

Title of Grant: Nutrient Supply to Plant Growth from Mixed-Litter Decomposition

Source of Grant: USDA-HATCH

Dollar Value: $63,000

Dates of Grant: October 2016 – October 2018

Role: PI

Title of Grant: Evaluation of Breadfruit Varieties in Maui County Source of Grant: C-MAIKI

Dollar Value: $11,550

Dates of Grant: June 2017 – June 2018

Role: Co-PI

**Presentations at Conferences**

Title: *Breadfruit Research Priorities*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Global Breadfruit Summit

Date of Presentation: Oct 18th, 2022

Title: *Sustainable Pathways of Hawala Valley*

Authors (put an asterisk on the presenter): Kirch, P\*, Lincoln, N and Swift, J.

Name of Conference: Society for Hawaiian Archaeology

Date of Presentation: Oct 10th, 2022

Title: *Hawai’i County Regional Food Economy*

Authors (put an asterisk on the presenter): Freeman, S., Shapiro, D., Milne, N., Lincoln, N, Albrecht, K., and Haws, M.

Name of Conference: Hawai’i Ag Conference

Date of Presentation: Sep 28th, 2022

Title: *Hawaii Island Biogeochemistry*

Authors (put an asterisk on the presenter): Haensel, T.\* and Lincoln, N

Name of Conference: Goldschmidt

Date of Presentation: July 14th, 2022

Title: *Food Security in Hawai’i*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Council for Native Hawaiian Advancement

Date of Presentation: July 6th, 2022

Title: *Agroforestry in Hawai’i*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Hawaii Ecosystem Meetings

Date of Presentation: June 30th, 2022

Title: *Hawaiian Agroecology: Past and Present*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Food Relative Conference

Date of Presentation: Apr 1st, 2022

Title: *Value and Diversity of Native Hawaiian Sugarcane*

Authors (put an asterisk on the presenter): Lincoln, N\* and Kantar, M.

Name of Conference: Society for Economic Botany

Date of Presentation: Mar 31st, 2022

Title: *Forest Gardens*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Society for Environmental Toxicology and Chemistry

Date of Presentation: Mar 25th, 2022

Title: *The Hawaiian Footprint*

Authors (put an asterisk on the presenter): Lincoln, N\* and Qian, Q.

Name of Conference: Society for Hawaiian Archaeology

Date of Presentation: Oct 2nd, 2021

Title: *Historical Ecology of Kukui in Hawai’i*

Authors (put an asterisk on the presenter): Lincoln, N\* and Qian, Q.

Name of Conference: Hawai‘i Conservation Conference

Date of Presentation: Jun 25th, 2021

Title: *The Extent of Pre-European Forest Modification in Hawai’i*

Authors (put an asterisk on the presenter): Lincoln, N\* and Qian, Q.

Name of Conference: Society for Hawaiian Archaeology

Date of Presentation: Oct 25th, 2019

Title: *Adapting Island Agriculture to Climate Change*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Society for Advancing Chicanos/Hispanics and Native Americans in Science

Date of Presentation: Oct 31st, 2019

Title: *Niche Construction as a framework for Understanding Hawaiian Agricultural Evolution*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Society for Advancing Chicanos/Hispanics and Native Americans in Science

Date of Presentation: Nov 1st, 2019

Title: *Breadfruit Production: Current State and Future Challenges*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Hawaii Agricultural Conference

Date of Presentation: Oct 14th, 2019

Title: *Impacts of Kalo as a First-Food on Human gut Microbiome*.

Authors (put an asterisk on the presenter): Baumhaufer, K., Frank, K., Lincoln, N\*

Name of Conference: Pacific Biosciences Research Center Symposium

Date of Presentation: May 10th, 2019

Title: *The Extent of Pre-European Forest Modification in Hawai’i*

Authors (put an asterisk on the presenter): Lincoln, N\* and Qian, Q.

Name of Conference: Society for Hawaiian Archaeology

Date of Presentation: Oct 25th, 2019

Title: *The Extent of Pre-European Forest Modification in Hawai’i*

Authors (put an asterisk on the presenter): Lincoln, N\* and Qian, Q.

Name of Conference: Hawaii Conservation Conference

Date of Presentation: June 10th, 2019

Title: *‘Āina Mālo’o and Biocultural Restoration.*

Authors (put an asterisk on the presenter): Lincoln, N.\*, Rossen, J., Vitousek, P., Pae, M., Kalawe, K., Kahoonui, J., and Meheula, K.

Name of Conference: Hawaii Conservation Conference

Date of Presentation: Jun 10th, 2019

Title: *Breadfruit Research for Pacific Island Production*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Pacific Island Forestry Coalition

Date of Presentation: May 14th, 2019

Title: *Breadfruit Propagation at Small, Medium, and Large Scale: A Hands-On Summary of Practices.*

Authors (put an asterisk on the presenter): Lincoln, N\* and Shapiro, D.

Name of Conference: Pacific Island Forestry Coalition

Date of Presentation: May 14th, 2019

Title: *Traditional Hawaiian Forestry Practices*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Pacific Island Forestry Coalition

Date of Presentation: May 14th, 2019

Title: *Traditional and Contemporary Propagation of Hawaiian Crops.*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: International Plant Propagators Society Annual Meeting

Date of Presentation: Oct 6th, 2018

Title: *Climactic Drivers to Nutrient Cycling in Agroforestry*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Hawaii Ecosystem Meetings

Date of Presentation: June 1st, 2019

Title: *Student Diversity, Plant Varieties, and Hybrid Methods*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: American Society of Horticultural Science

Date of Presentation: August 20th, 2019

Title: *Breadfruit in Hawai‘i’s Food Systems: Past, Present, and Future*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: American Society of Horticultural Science

Date of Presentation: August 20th, 2019

Title: *Paleobotanical Samples of the Kohala Field System*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Hawaii Ecosystem Meetings

Date of Presentation: June 30th, 2019

Title: *Indicators of Soil Fertility in the Ka‘u Field System*

Authors (put an asterisk on the presenter): Quintus, S\*. and Lincoln, N.

Name of Conference: Society for Hawaiian Archaeology

Date of Presentation: Oct 20th, 2017

Title: *Mixed Litter Decomposition Dynamics*

Authors (put an asterisk on the presenter): Lincoln, N.\*, Bosner, J. and Hutchins, L..

Name of Conference: Ecological Society of America

Date of Presentation: Aug 20th, 2017

Title: *Plenary Panel on Indigenous Epistemology to Sustainability*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Hawaii Sustainability in Higher Education Summit

Date of Presentation: May 25th, 2017

Title: *The Role of Agroecology and Indigenous Science in (Re)Developing Sustainable Community Food and Farming Systems for Hawai‘i and Beyond.*

Authors (put an asterisk on the presenter): Miles, A.\* and Lincoln, N\*

Name of Conference: World Conservation Conference

Date of Presentation: June 5th, 2016

Title: *When You’re Hungry, You Harvest*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Hawaii Conservation Alliance – Biocultural Stories of the Pacific

Date of Presentation: Jun 4th, 2016

Title: *Establishing Long-term Agroforestry Sites*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Hawaii Ecosystem Meetings

Date of Presentation: Jun 4th, 2016

Title: *Teaching Indigenous Agriculture*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: North American Colleges and Teachers of Agriculture

Date of Presentation: Mar 6th, 2016

Title: *Food for Thought: Sovereignty, Security, and Science*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Native American and Indigenous Studies Association

Date of Presentation: Mar 4th, 2016

Title: *Effects of Monotypic Canopies on Earthworm Abundance and Disturbance by Feral Pigs*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Association of Tropical Biology Conference

Date of Presentation: Jun 4th, 2015

Title: *Lessons in Resilience from Hawaiian Agriculture*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Ecological Society of America

Date of Presentation: August 4th, 2015

Title: *Role of Indigenous Crops in Modern Food Security*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: National Association of State Departments of Agriculture

Date of Presentation: May 4th, 2015

Title: *Effects of Monotypic Canopies on Earthworm Abundance and Disturbance by Feral Pigs*

Authors (put an asterisk on the presenter): Lincoln, N\*

Name of Conference: Hawaii Conservation Conference

Date of Presentation: Jun 28th, 2015