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Employment

Associate Professor

Section for Hologenomics

København K

30 Sep 2014 → nu

Associate Professor

Section for Hologenomics

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1 Oct 2014 → nu

Assistant Professor

Collections

København K

1 Oct 2018 → 10 Jan 2020

Assistant Professor. at GeoGenetics

Research

København Ø

1 Jan 2020 → 29 Feb 2020

Tenure-track assistant professor

Department of Agroecology, Aarhus University, Slagelse, Denmark.

1 Nov 2022 → nu

Research outputs

A simplified bacterial community found within the epidermis than at the epidermal surface of atopic dermatitis patients and healthy controls

Barnes, Christopher James, Asplund, M., Clausen, M., Rasmussen, Linett, Olesen, C. M., Yüksel, Y. T., Andersen, P. S., Litman, Thomas, Holmstrøm, K., Bay, Lene, Fritz, Blaine Gabriel, Bjarnsholt, Thomas, Agner, Tove & Hansen, Anders Johannes, 2023, In: BMC Microbiology. 23, 12 p., 273.

Assembling genetic structure of *Gardenia remyi*, a critically endangered tree endemic to the Hawaiian Islands

Hansen, Kristina Egholm, Opgenorth, M., Flynn, T., Kennedy, B., Rønsted, Nina, Olofsson, Jill Katharina & Barnes, Christopher James, 2023, In: Conservation Science and Practice. 5, 10, 17 p., e13011.

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Isager Ahl, Louise, Pedersen, H. L., Jørgensen, Bodil, Willats, W. G. T., Grace, O. M., Barnes, Christopher James & Rønsted, Nina, 2023, In: Plants, People, Planet. 5, 3, p. 335-353 19 p.

Leaf gel from several *Aloe* species shows anti-inflammatory properties through the inhibition of lipopolysaccharide (LPS) mediated activation of Toll-like receptor 4 (TLR4) signaling

Isager Ahl, Louise, Schoeneburg, M. P., Harth, Lisa, Barnes, Christopher James, Woetmann, Anders & Rønsted, Nina, 2023, In: *Phytomedicine Plus*. 3, 1, 8 p., 100397.

Altered Maturation of the Skin Microbiome in Infants with Atopic Dermatitis

Olesen, C. M., Clausen, M. L., Agner, Tove, Asplund, M., Rasmussen, Linett, Yüksel, Y. T., Andersen, P. S., Litman, Thomas, Hansen, Anders Johannes & Barnes, Christopher James, 2022, In: *Acta Dermato-Venereologica*. 102, 7 p., adv00817.

Metabarcoding of soil environmental DNA replicates plant community variation but not specificity

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Rhizosphere bacterial communities differ among traditional maize landraces

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Temporal and Spatial Variation of the Skin-Associated Bacteria from Healthy Participants and Atopic Dermatitis Patients

Barnes, Christopher James, Clausen, M., Asplund, M., Rasmussen, Linett, Olesen, C. M., Yüsel, Y. T., Andersen, P. S., Litman, Thomas, Hansen, Anders Johannes & Agner, Tove, 2022, In: *mSphere*. 7, 1, 14 p., e00917-21.

The biodiversity effect of reduced tillage on soil microbiota

Frøslev, Tobias Guldberg, Nielsen, Ida Broman, Santos, S. S., Barnes, Christopher James, Bruun, Hans Henrik & Ejrnæs, R., 2022, In: *Ambio*. 51, 4, p. 1022-1033 12 p.

Variation in Germination Traits Inform Conservation Planning of Hawaii's Foundational 'Ōhi'a Trees

Wolkis, Dustin Matthew, Walsh, Seana Kasey, Barnes, Christopher James, Stacy, E. A. & Rønsted, Nina, 2022, In: *Journal of Sustainable Forestry*. 41, 9, p. 861-877 17 p.

Genomic and niche divergence in an Amazonian palm species complex

Bacon, C. D., Roncal, J., Andermann, T., Barnes, Christopher James, Balslev, H., Gutiérrez-Pinto, N., Morales, H., Núñez-Avelleneda, L. A., Tunarosa, N. & Antonelli, A., 2021, In: *Botanical Journal of the Linnean Society*. 197, 4, p. 498-512

Increased Bacterial Richness Associated With Lesions Within the *Porites* spp. of Vietnam

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Comparing DADA2 and OTU clustering approaches in studying the bacterial communities of atopic dermatitis

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Historical chemical annotations of *Cinchona* bark collections are comparable to results from current day High-Pressure Liquid Chromatography technologies

Canales, Nataly Olivia Allasi, Gress Hansen, T. N., Cornett, Claus, Walker, K., Driver, F., Antonelli, A., Maldonado, C., Nesbitt, M., Barnes, Christopher James & Rønsted, Nina, 2020, In: *Journal of Ethnopharmacology*. 249, 14 p., 112375.

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Biodiversity seen through the perspective of insects: 10 simple rules on methodological choices and experimental design for genomic studies

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Locality or habitat? Exploring predictors of biodiversity in Amazonia

Ritter, C. D., Zizka, A., Barnes, Christopher James, Nilsson, R. H., Roger, F. & Antonelli, A., 2019, In: *Ecography*. 42, 2, p. 321-333

Extreme rainfall affects assembly of the root-associated fungal community

Barnes, Christopher James, van der Gast, C. J., McNamara, N. P., Rowe, R. & Bending, G. D., Dec 2018, In: *New Phytologist*. 220, 4, p. 1172-1184

High-throughput metabarcoding reveals the effect of physicochemical soil properties on soil and litter biodiversity and community turnover across Amazonia

Ritter, C. D., Zizka, A., Roger, F., Tuomisto, H., Barnes, Christopher James, Nilsson, R. H. & Antonelli, A., 25 Sep 2018, In: *PeerJ*. 6, 24 p., e5661.

Hundred fifty years of herbarium collections provide a reliable resource of volatile terpenoid profiles showing strong species effect in four medicinal species of *Salvia* across the Mediterranean

Jafari Foutami, I., Mariager, T., Rinnan, Riikka, Barnes, Christopher James & Rønsted, Nina, 1 Jan 2018, In: *Frontiers in Plant Science*. 871, p. 1-15 1877.

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Andersen-ranberg, E., Barnes, Christopher James, Rasmussen, Linett, Salgado-flores, A., Grøndahl, C., Mosbacher, J., Hansen, Anders Johannes, Sundset, M., Schmidt, N. & Sonne, C., 2018, In: *Microorganisms*. 6, 3, 21 p., 76.

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Phylogeny predicts the quantity of antimalarial alkaloids within the iconic yellow *Cinchona* bark (Rubiaceae: *Cinchona calisaya*)

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Temporally variable geographical distance effects contribute to the assembly of root-associated fungal communities

Barnes, Christopher James, van der Gast, C. J., Burns, C. A., McNamara, N. P. & Bending, G. D., 25 Feb 2016, In: *Frontiers in Microbiology*. 7, 13 p., 195.

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Spatio-Temporal Variation of Core and Satellite Arbuscular Mycorrhizal Fungus Communities in *Miscanthus giganteus*

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