

2019 Graduate Student Publications

Dunn, M. J., & Anderson, M. Z. (2019). To Repeat or Not to Repeat: Repetitive Sequences Regulate Genome Stability in *Candida albicans*. *Genes*, *10*(11), 866.

<https://doi.org/10.3390/genes10110866>

Witzky, A., **Tollerson, R., 2nd**, & Ibba, M. (2019). Translational control of antibiotic resistance. *Open biology*, *9*(7), 190051. <https://doi.org/10.1098/rsob.190051>

Tan, C. Y., Wang, F., Anaya-Eugenio, G. D., Gallucci, J. C., **Goughenour, K. D.**, Rappleye, C. A., Spjut, R. W., Carcache de Blanco, E. J., Kinghorn, A. D., & Rakotondraibe, L. H. (2019). α -Pyrone and Sterol Constituents of *Penicillium aurantiacobrunneum*, a Fungal Associate of the Lichen *Niebla homalea*. *Journal of natural products*, *82*(9), 2529–2536.

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Brechtig, P. J., & Rappleye, C. A. (2019). *Histoplasma* Responses to Nutritional Immunity Imposed by Macrophage Activation. *Journal of fungi (Basel, Switzerland)*, *5*(2), 45.

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Ray, S. C., & Rappleye, C. A. (2019). Flying under the radar: *Histoplasma capsulatum* avoidance of innate immune recognition. *Seminars in cell & developmental biology*, *89*, 91–98.

<https://doi.org/10.1016/j.semcd.2018.03.009>

Trubl, G., Roux, S., Solonenko, N., Li, Y. F., Bolduc, B., Rodríguez-Ramos, J., Eloë-Fadrosh, E. A., Rich, V. I., & Sullivan, M. B. (2019). Towards optimized viral metagenomes for double-stranded and single-stranded DNA viruses from challenging soils. *PeerJ*, *7*, e7265.

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Roux, S., **Trubl, G.**, Goudeau, D., Nath, N., Couradeau, E., Ahlgren, N. A., Zhan, Y., Marsan, D., Chen, F., Fuhrman, J. A., Northen, T. R., Sullivan, M. B., Rich, V. I., Malmstrom, R. R., & Eloë-Fadrosh, E. A. (2019). Optimizing *de novo* genome assembly from PCR-amplified metagenomes. *PeerJ*, *7*, e6902.

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Martinez, M. A., Woodcroft, B. J., Ignacio Espinoza, J. C., **Zayed, A. A.**, Singleton, C. M., Boyd, J. A., Li, Y. F., Purvine, S., Maughan, H., Hodgkins, S. B., Anderson, D., Sederholm, M., Temperton, B., Bolduc, B., Saleska, S. R., Tyson, G. W., Rich, V. I., IsoGenie Project Coordinators, Saleska, S. R., Tyson, G. W., ... Rich, V. I. (2019). Discovery and ecogenomic context of a global *Caldiserica*-related phylum active in thawing permafrost, *Candidatus Cryoserica* phylum nov., *Ca. Cryoserica* class nov., *Ca. Cryosericales* ord. nov., *Ca. Cryoseriaceae* fam. nov., comprising the four species *Cryosericum septentrionale* gen. nov. sp. nov., *Ca. C. hinesii* sp. nov., *Ca. C. odellii* sp. nov., *Ca. C. terrychapinii* sp. nov. *Systematic and applied microbiology*, *42*(1), 54–66.

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Jahnes, B. C., Herrmann, M., & Sabree, Z. L. (2019). Conspecific coprophagy stimulates normal development in a germ-free model invertebrate. *PeerJ*, *7*, e6914. <https://doi.org/10.7717/peerj.6914>

Ryan, N., Anderson, K., **Volpedo, G.**, Hamza, O., Varikuti, S., Satoskar, A. R., & Oghumu, S. (2020). STAT1 inhibits T-cell exhaustion and myeloid derived suppressor cell accumulation to promote antitumor immune responses in head and neck squamous cell carcinoma. *International journal of cancer*, *146*(6), 1717–1729. <https://doi.org/10.1002/ijc.32781>

Anderson, K., Ryan, N., **Volpedo, G.**, Varikuti, S., Satoskar, A. R., & Oghumu, S. (2020). Immune Suppression Mediated by STAT4 Deficiency Promotes Lymphatic Metastasis in HNSCC. *Frontiers in immunology*, *10*, 3095. <https://doi.org/10.3389/fimmu.2019.03095>

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Ibarbalz, F. M., Henry, N., Brandão, M. C., Martini, S., Busseni, G., Byrne, H., Coelho, L. P., Endo, H., Gasol, J. M., **Gregory, A. C.**, Mahé, F., Rigonato, J., Royo-Llonch, M., Salazar, G., Sanz-Sáez, I., Scalco, E., Soviadan, D., **Zayed, A. A.**, Zingone, A., Labadie, K., ... Zinger, L. (2019). Global Trends in Marine Plankton Diversity across Kingdoms of Life. *Cell*, 179(5), 1084–1097.e21.

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