

ICG PUBLICATIONS [formerly CGEB]: 2008 – present

Faculty members (bold), Adjunct & former Associates (*), trainees (underlined)

Year 2022:

- Banerjee et al. [incl. **F. Maguire**] (2022) Immunogenicity of convalescent and vaccinated sera against clinical isolates of ancestral SARS-CoV-2, beta, delta, and omicron variants. *Med NY* (Cell Press, Apr. 2022). doi: 10.1016/j.medj.2022.04.002.
- Bannon, C., Rapp, I. & Bertrand, E.M. (2022) Community Interaction Co-Limitation: Nutrient Limitation in a Marine Microbial Community Context. *Frontiers in Microbiol.* 13: Art.Nr.
- Bjorndahl P, Bielawski JP, Liu L, Zhou W, Gu H. (2022) Novel Application of Survival Models for Predicting Microbial Community Transitions with Variable Selection for Environmental DNA. *Appl. Environ Microbiol.* 88(6): e0214621.
- Blaxter, M. *et al.* [incl. **Archibald, J. M.**]. 2022. Why sequence all eukaryotes? *Proc. Natl. Acad. Sci. USA* 119(4): e2115636118.
- Carnicer, O., **AJ Irwin, ZV Finkel** (2022) Traits influence dinoflagellate C:N:P. *Eur. J. Phycology* 57: 154-165.
- Chen X, Wei W, Xiao X, Wallace D, Hu C, Zhang L, Batt J, Liu J, Gonsior M, Zhang Y, **LaRoche J**, Hill P, Xu D, Wang J, Jiao N, Zhang R. (2022) Heterogeneous viral contribution to dissolved organic matter processing in a long-term macrocosm experiment. *Environ Int.* 158: 106950.
- Doolittle, W.F.** (2022) All about levels: Transposable elements as selfish DNAs and drivers of evolution. *Biol. Philos* Aug; 37: 1-20.
- Duerschlag J, Mohr W, Ferdelman TG, **LaRoche J**, Desai D, Croot PL, Voß D, Zielinski O, Lavik G, Littmann S, Martínez-Pérez C, Tschitschko B, Bartlau N, Osterholz H, Dittmar T, Kuypers MMM. (2022) Niche partitioning by photosynthetic plankton as a driver of CO₂-fixation across the oligotrophic South Pacific Subtropical Ocean. *ISME J.* 16(2):465-476.
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- Ebenezer, V., Y Hu, O Carnicer, AJ Irwin, MJ Follows, ZV Finkel (2022) Elemental and macromolecular composition of the marine Chloropicophyceae, a major group of oceanic photosynthetic picoeukaryotes. *Limnology & Oceanography* 67: 540-551.
- Fürst-Jansen, J.M.R., de Vries, S., von Schwardenberg, K. **Archibald, J.M.** & de Vries, J. (2022) Submergence of the filamentous Zygnematophyceae *Mougeotia* induces differential gene expression patterns associated with core metabolism and photosynthesis. *Protoplasma* 259: 1157-1174.
- Griffiths *et al.* (incl. **F. Maguire**) (2022) Future-proofing and maximizing the utility of metadata: The PHA4GE SARS-CoV-2 contextual data specification package. *GigaScience* 11:giac003.
- Herod, A., Emond-Rheault, J-G, Tamber, S., Goodridge, L., Levesque, R.C., Rohde, J. (2022) Genomic and phenotypic analysis of SspH1 identifies a new Salmonella effector, SspH3. *Mol. Microbiol.* 117(4): 770-789.
- Ho, L.S.T., Susko, E.** (2022) Ancestral state reconstruction with large numbers of sequences and edge-length estimation. *J. Mathematical Biol.* 84:21.
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- Karakach, T.K., F Taverna, J Barra** (2022) Error Modelled Gene Expression Analysis (EMOGEA) provides a superior overview of time course RNA-Seq Measurements and low count gene expression. *BioRxiv*; doi: <https://doi.org/10.1101/2022.02.18.481000>
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- Kennedy *et al.* [incl. **D. Gaston**] (2022) NAD⁺ depletion enhances rovirus-induced oncolysis in multiple myeloma. *Molecular Therapy Oncolytics* 24: 695-706.
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- McCain, J.S.P.**, A.E. Allen, **E.M. Bertrand** (2022) Proteomic traits vary across taxa in a coastal Antarctic phytoplankton bloom. *ISME Journal* 16, 569–579.
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