

Bruce A. Curtis

Education:

PhD in Biochemistry and Molecular Biology, Dalhousie University, 2008-2012.
Thesis: Endosymbiotic gene transfer in the nucleomorph containing organisms
Bigeloviella natans and *Guillardia theta*

MSc in Biology, Acadia University, Wolfville, 1994-1997.

Thesis: A morphological and phylogenetic investigation of *Porphyra linearis* Greville and *Porphyra purpurea* (Rth) C. Agardh forms from Nova Scotia.

BScH in Biology, Queen's University Kingston, 1990-1994.

Experience:

Research Associate, 2019-present
Dalhousie University, Department of Biochemistry and Molecular Biology

Postdoctoral Fellow, 2012-2019
Dalhousie University, Department of Biochemistry and Molecular Biology

Teaching Assistant, 2009, 2010.
Dalhousie University, Department of Biochemistry and Molecular Biology
Nucleic Acid Biochemistry and Molecular Biology

Bioinformatician, 1997-2008.
Institute for Marine Biosciences, NRC, Halifax

Areas of interest:

Genome sequencing and assembly
Genome annotation
Nucleomorphs
NUPTs, NUMTs, NUNMs

Publications:

Nathan M. Rowarth, Bruce A. Curtis, Anthony L. Einfeldt, John M. Archibald, Christian R. Lacroix and Arunika H. L. A. N. Gunawardena. RNA-Seq analysis reveals potential regulators of programmed cell death and leaf remodelling in lace plant (*Aponogeton madagascariensis*). *BMC Plant Biol* (2021) 21:375

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Asman, A., Curtis, B. A. & Archibald, J. M. 2019. Nucleomorph small RNAs in cryptophyte and chlorarachniophyte algae. *Genome Biol. Evol.* 11, 1117-1134.

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de Vries, J., Curtis, B.A., Gould, S.B. and Archibald, J.M. 2018 Embryophyte stress signalling evolved in the algal progenitors of land plants. *Proc. Natl. Acad. Sci. USA* 115: E3471-E3480.

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Eleni Gentekaki, Bruce A. Curtis, Courtney Stairs, VladimĀr Klimeš, Marek Eliš, Dayana Salas, Emily K. Herman, Laura Eme, Maria C. Arias, Bernard Henrissat, Frđrique Hilliou, Mary Klute, Hiroshi Suga, Shehre-Banoo Malik, Arthur W. Pightling, Martin Kolisko, Richard A. Rachubinski, Alexander Schlacht, Darren M. Soanes, Anastasios D. Tsaousis, John M. Archibald, Steven G. Ball, Joel B. Dacks, C. Graham Clark, Mark van der Giezen, Andrew J. Roger. 2017. Extreme genome diversity in the hyper-prevalent parasitic eukaryote *Blastocystis*. *PLoS Biol.* 15, e2003769.

Eme L, Gentekaki E, Curtis B, Archibald JM, Roger AJ. Lateral Gene Transfer in the Adaptation of the Anaerobic Parasite *Blastocystis* to the Gut. *Curr Biol.* 2017 Mar 20;27(6):807-820.

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