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ORIGINAL PAPER

**The Rainwater Rock-pool Dinoflagellate *Nottbeckia ochracea* gen. et comb. nov. (syn.: *Hemidinium ochraceum*)
- A Fine-structural and Molecular Study with Emphasis on
the Motile Stage**

Running title: *Nottbeckia ochracea* gen. et comb. nov.

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The rarely recorded dinoflagellate *Hemidinium ochraceum* Levander was isolated from a rainwater rock-pool in Finland and the motile stage studied by light- and electron microscopy and molecular sequencing. The ultrastructure of the motile stage revealed several features not previously observed in other dinoflagellates, e.g. thecal plates with inwards ‘knobs’ and a peculiar

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