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Flexibility of the coral-algal symbiosis in the face of climate change

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Document Version

Publisher's PDF, also known as Version of record

Publication date:

2009

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Mieog, J. C. (2009). *Flexibility of the coral-algal symbiosis in the face of climate change: Investigating the adaptive bleaching hypothesis*. s.n.

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PUBLICATION LIST**Publications in peer-reviewed journals**

- Mieog JC**, van Oppen MJH, Berkelmans R, Martinez-Bleuler SA, Willis BL & Olsen JL. The roles and interactions of symbiont, host and environment in defining coral fitness. Submitted to *Public Library of Science ONE*.
- Cantin NE, van Oppen MJH, Willis BL, **Mieog JC** & Negri AP (2009). Juvenile corals can acquire more carbon from high-performance algal symbionts. *Coral Reefs* 28, 405-414.
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- Mieog JC**, van Oppen MJH, Berkelmans R, Stam WT & Olsen JL (2009). Quantification of algal endosymbionts (*Symbiodinium*) in coral tissue using real-time PCR. *Molecular Ecology Resources* 9, 74-82.
- Jones AM, Berkelmans R, van Oppen MJH, **Mieog JC** & Sinclair W (2008). A community change in the algal endosymbionts of a scleractinian coral following a natural bleaching event: field evidence of acclimatization. *Proceedings of the Royal Society B*, 275, 1359-1365.
- Mieog JC**, van Oppen MJH, Cantin NE, Stam WT & Olsen JL (2007). Real-time PCR reveals a high incidence of *Symbiodinium* clade D at low levels in four scleractinian corals across the Great Barrier Reef: implications for symbiont shuffling. *Coral Reefs* 26, 449-457.
- van Oppen MJH, **Mieog JC**, Sánchez CA & Fabricius KE (2005). Diversity of algal endosymbionts (zooxanthellae) in tropical octocorals from three oceans: the roles of geography and host relationships. *Molecular Ecology* 14, 2403-2417.
- Fabricius KE, **Mieog JC**, Colin PL, Idip D & van Oppen MJH (2004). Identity and diversity of coral endosymbionts (zooxanthellae) from three Palauan reefs with contrasting bleaching, temperature and shading histories. *Molecular Ecology* 13, 2445-2458.

Conference abstracts and talks

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- Mieog JC**, van Oppen MJH, Berkelmans R, Stam WT & Olsen JL. Quantification of algal endosymbionts (*Symbiodinium*) in coral tissue using real-time PCR (poster). *11th International Coral Reef Symposium*, July 2008, Fort Lauderdale, Florida (USA).
- Mieog JC**, van Oppen MJH, Berkelmans R, Martinez-Bleuler SA, Willis BL & Olsen JL. Coral physiology: the interaction of *Symbiodinium* genotype and environment (oral presentation). *Dutch coral research symposium*, December 2007, Amsterdam, the Netherlands.
- Mieog JC**, van Oppen MJH, Berkelmans R, Martinez-Bleuler SA, Willis BL & Olsen JL. Investigating the physiological properties of the coral-algal symbiosis (oral presentation). *International Society for Reef Studies European Meeting*, September 2006, Bremen, Germany.
- Mieog JC**, van Oppen MJH, Cantin NE, Stam WT & Olsen JL. Large potential for symbiont shuffling in reef corals (poster). *Australian Coral Reef Society 81st Annual Conference*, August 2005, Heron Island, Australia.
- Mieog JC**, Fabricius KE, Colin PL, Idip D & van Oppen MJH. Identity and diversity of coral endosymbionts (zooxanthellae) from three Palauan reefs with contrasting bleaching, temperature and shading histories (oral presentation). *10th International Coral Reef Symposium*, June 2004, Okinawa, Japan.