

### QUALIFICATIONS

MSc Victoria University, Wellington 2005

BSc Victoria University, Wellington 2003

### PROFESSIONAL AFFILIATIONS

New Zealand Marine Sciences Society

Australasian Society for Phycology and Aquatic Botany

### ROLE AT CAWTHRON

Molecular Ecologist

### SPECIAL INTERESTS & ACHIEVEMENTS

- Population genetics
- Marine bioinvasions
- Molecular monitoring technologies for microalgae and marine pests

### SELECTED PUBLICATIONS

**Smith KF**, Rhodes LL, Adamson JE, Tyrrell JV, Mountfort DO, Jones WJ 2011. Application of a sandwich hybridisation assay for rapid detection of the Northern Pacific seastar, *Asterias amurensis*. *New Zealand Journal of Marine and Freshwater Research*, 45: 145-152.

**Smith KF**, Cahill P, Fidler AE 2010. First record of the solitary ascidian *Ciona savignyi* Herdman, 1882 in the Southern Pacific Ocean. *Aquatic Invasions* 5: 363-368.

Wood SA, Prentice MJ, **Smith KF**, Hamilton DP 2010. Low dissolved inorganic nitrogen and increased heterocyte frequency: precursors to *Anabaena planktonica* blooms in a temperate, eutrophic reservoir. *Journal of Plankton Research* 32: 1315-1325.

**Smith KF**, Acosta H, Broom JE, Rhodes LL 2010. Identification of non-indigenous marine macroalgae from New Zealand aquaria outlets. *New Zealand Journal of Marine and Freshwater Research* 44: 29-37.

Rhodes LL, **Smith KF**, Selwood AI, McNabb PS, van Ginkel R, Holland PT, Munday R 2010. Production of pinnatoxins by a peridinoid dinoflagellate isolated from Northland, New Zealand. *Harmful Algae* 9: 384-389.



Rhodes LL, **Smith KF**, Munday R, Selwood AI, McNabb PS, Holland PT, Bottein M 2010. Toxic dinoflagellates (Dinophyceae) from Rarotonga, Cook Islands. *Toxicon* 56: 751-758.

Wood SA, Rhodes LL, Adams SL, Adamson JE, **Smith KF**, Smith JF, Tervit HR, Cary SC 2008. Maintenance of cyanotoxin production by cryopreserved cyanobacteria in the New Zealand culture collection. *New Zealand Journal of Marine and Freshwater Research* 42: 277-283.

Rhodes L, **Smith KF**, de Salas M 2007. DNA probes, targeting large sub-unit rRNA, for the rapid identification of the paralytic shellfish poison producing dinoflagellate, *Gymnodinium catenatum*. *New Zealand Journal of Marine and Freshwater Research* 41: 385-39