

# **Release of Volatile Aldehydes by the Brown Algal Kelp *Laminaria digitata* in Response to Both Biotic and Abiotic Stress**

*S. Goulitquer, Andrés Ritter, François Thomas, Cyrille Ferec, Jean-Pierre Salaün, Philippe Potin*

## **Abstract**

**With a little kelp from my friends:** In response to biotic and abiotic stress, the brown algal kelp *Laminaria digitata* releases volatile fatty acid aldehydes under laboratory conditions and in its natural environment (red). In response to 4-HHE treatment, *L. digitata* releases (13S)-HOTrE (green). These results support the hypothesis that these compounds may mediate kelp responses to stress.