Coping with high temperature: unique regulation in *A. tumefaciens*

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Elevation of temperature is a frequent and considerable stress for mesophilic bacteria. Therefore, several molecular mechanisms have evolved to cope with high temperature. We have been studying the response of *Agrobacterium tumefaciens* to temperature stress, focusing on two aspects: the heat shock response and the temperature-dependent regulation of methionine biosynthesis. The results indicate that the molecular mechanisms involved in *A. tumefaciens* control of growth at high temperature are unique and we are still missing important information essential for understanding how these bacteria cope with temperature stress.