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Microcystis Bloom Containing Microcystin-LR Induces Type 2 Diabetes Mellitus

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Highlight

- Exposure to *Microcystis* bloom water or MC-LR may induce the incidence of Type 2 Diabetes Mellitus
- Exposure of MC-LR, even at very low concentrations (1 μg/L), can impair the insulin receptor signalling pathway and induce hyperinsulinemia and insulin resistance in mice
- The most important intracellular targets for MC-LR are hepatic mitochondria