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Correction: Microfluidic pumping, routing and metering by contactless metal-based electro-osmosis

Xiaotong Fu, Nicholas Mavrogiannis, Steven Doria and Zachary Gagnon*

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After publication of our article, a relevant paper by Gao and Gui¹ was brought to our attention. In the 2014 *Lab on a Chip* publication, "A handy liquid metal based electroosmotic flow pump", Gao and Gui¹ experimentally demonstrate the ability to drive fluid motion in a microchannel using liquid metal electrodes. Both papers describe contactless electrokinetic micro-pumps that use contactless metal electrodes to drive fluid flow in microchannels. The difference between their work and ours is that in our work we present a micro-pump design that uses contactless solid metal electrodes for on-chip fluid pumping, routing and metering whereas Gao and Gui show how electrodes fabricated from liquid metal alloy can be used to drive fluid motion in a microchannel. To do this, they present fluid velocity data taken using pumps integrated into channels of varying height and length.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

References

- 1 M. Gao and L. Gui, *Lab Chip*, 2014, 14, 1866–1872.

