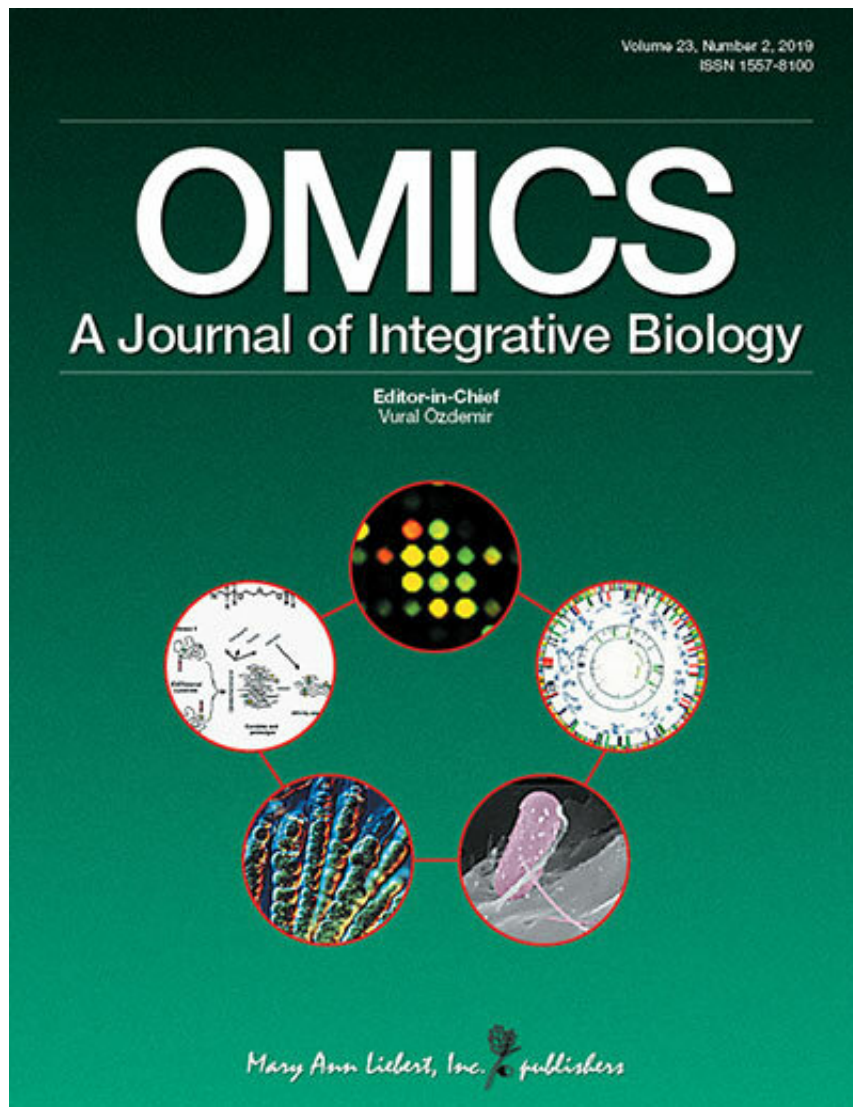


Bringing more human intelligence to AI, data science and digital automation

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Credit: Mary Ann Liebert, Inc., publishers

The advent of data science, wireless connectivity and sensors, artificial intelligence (AI), and the Internet of Things (IoT) has raised the prospects for digital automation, smart hospital design and the home health care industry for an aging population.

A new horizon scanning analysis described why AI, [data science](#), and digital automation need more of the human element. The article, "Not All Intelligence is Artificial: Data Science, Automation, and AI Meet HI", was published in the February issue of *OMICS: A Journal of Integrative Biology*. The horizon scanning technology analysis suggests several strategies such as routine use of metadata so that AI, data science and automation can work together with human intelligence (HI), thus effectively and sustainably serving modern healthcare, patients and laboratory medicine.

Vural Özdemir, MD, Ph.D., DABCP, *OMICS* Editor-in-Chief, has commented, "These are exciting times for innovation in healthcare and laboratory medicine. But we also need [social innovation](#) in new technology design and implementation. AI, data science and digital automation would best serve medicine, healthcare and industry if they were informed by the human element and human intelligence (HI) to a greater degree. HI is also important to prevent type 3 (framing) errors in AI and digital automation, that is, 'finding the right answers for the wrong questions'".

AI, machine learning and digital automation have also been featured in several other leading articles published in *OMICS*. Complete tables of content are available on the *OMICS* website.

More information: Vural Özdemir, Not All Intelligence is Artificial: Data Science, Automation, and AI Meet HI, *OMICS: A Journal of Integrative Biology* (2019). [DOI: 10.1089/omi.2019.0003](https://doi.org/10.1089/omi.2019.0003)

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