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Nano/Microsystems for Health Monitoring

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

The ambulatory monitoring of physiological parameters, biomarkers, and/or pathogens is essential to achieve point-of-care, wearable, and home-health diagnostic devices. Nano/microsystems have enabled a new class of miniaturized health monitoring tools with high performance. For instance, micro-sensors and micro/nano-electronics are implemented on a wearable platform for the longitudinal, noninvasive monitoring of vital signs over extended periods of time, which can allow for the early diagnosis and timely treatment of progressive conditions, including cancer and cardiopulmonary diseases. In addition, nano/microfluidic and other lab-on-a-chip devices, which showed promise for detecting bacterial and viral pathogens, can be integrated in portable systems for testing the health status of individuals outside laboratories or in low-resource settings.

The Special Issue on “Nano/Microsystems for Health Monitoring” welcomes original research and development on NEMS/MEMS, nano/micro sensors, wearable microsystems, nanomaterials, nano/microfluidics, epidermal systems, lab-on-a-chip devices for health monitoring, portable testing, and medical diagnosis.

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Message from the Editor-in-Chief

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