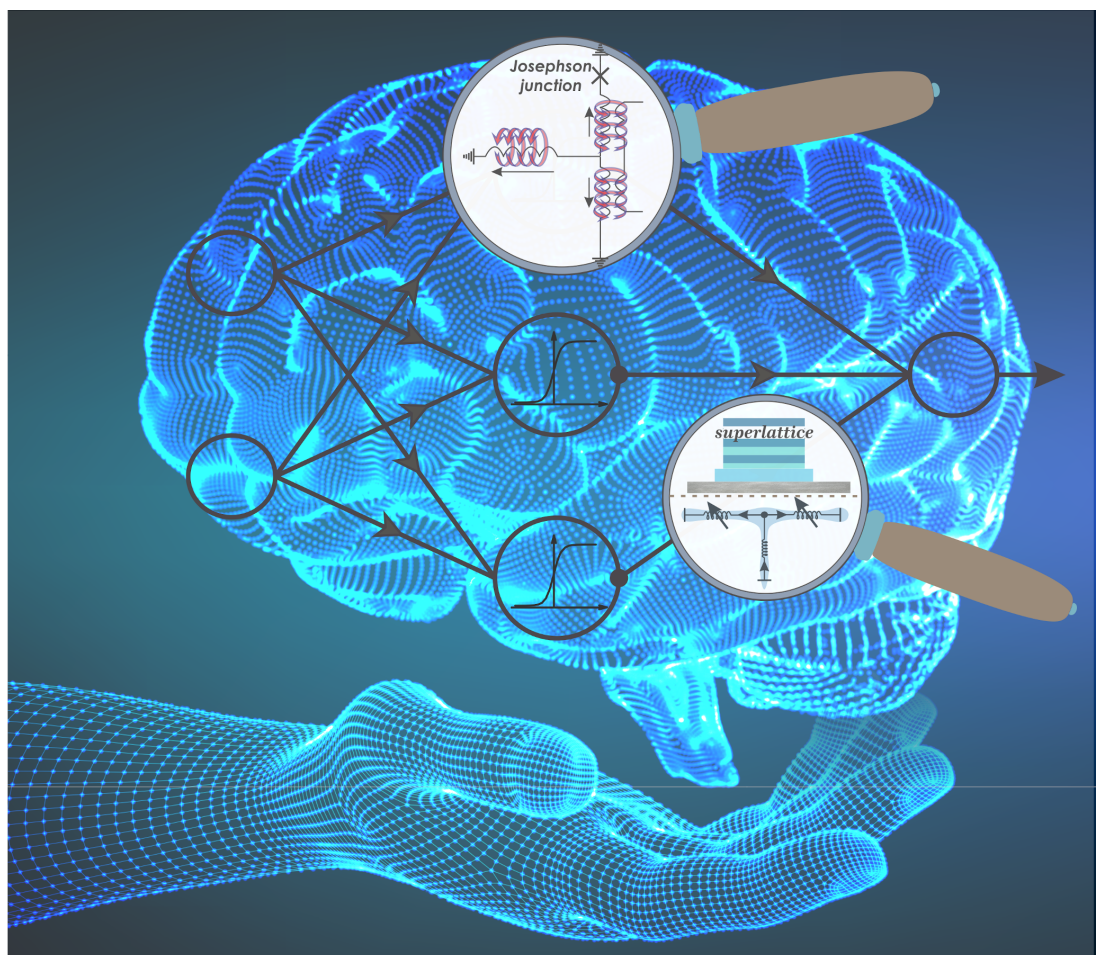




# Functional nanostructures for electronics, spintronics and sensors

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The image on the cover page is copyright (2020) Anatolie Sidorenko under the Creative Commons 4.0 license (CC BY 4.0), <https://creativecommons.org/licenses/by/4.0/>. It depicts the development of the base elements for a possible design of a superconducting supercomputer with non-von Neumann architecture: an artificial network of neurons (Josephson junction) and synapses (superconducting layered kinetic inductivity) that "transforms" into a natural network of neurons and synapses (brain).