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## **Associate Prof. Donghee Son**

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**Prof. Donghee Son** is currently an Associated Professor in the Department of Electrical and Computer Engineering at Sungkyunkwan University (SKKU). He received Ph.D. degree in Chemical and Biological Engineering from Seoul National University in 2015. He worked as a postdoctoral fellow in Chemical Engineering at the Stanford University in 2016. He moved to Center for Bionics from KIST in 2017. Since he joined the faculty of the Department of Electrical and Computer Engineering at SKKU, he has focused on soft stretchable self-healing bio electronics.

His representative publications are as follows.

1. "Sticky and strain-gradient artificial epineurium for sutureless nerve repair in rodents and nonhuman primates", *Advanced Materials* 2307810 (2024)
2. "Injectable tissue prosthesis for instantaneous closed-loop rehabilitation", *Nature* 623, 58 (2023)
3. "Adhesive bioelectronics for sutureless cardiac interfacing", *Nature Electronics* 6, 779 (2023)
4. "Vacuum-deposited stretchable polymer dielectric and its application to soft carbon nanotube electronics", *Nature Electronics* 6, 135 (2023)
5. "Stretchable colour-sensitive quantum dot nanocomposites for shape-tunable multiplexed phototransistor arrays", *Nature Nanotechnology* 17, 849 (2022)