



- At BMD Lab, we explore electro-mechanical/chemical sensor & actuator device designs, materials, and microfabrication processes to create bio-integrated microdevices -wearables & implantables- as next-generation medical devices.
- The lab is composed of researchers with various backgrounds and technical interests. This creates a multidisciplinary research environment enabling a broad research portfolio.

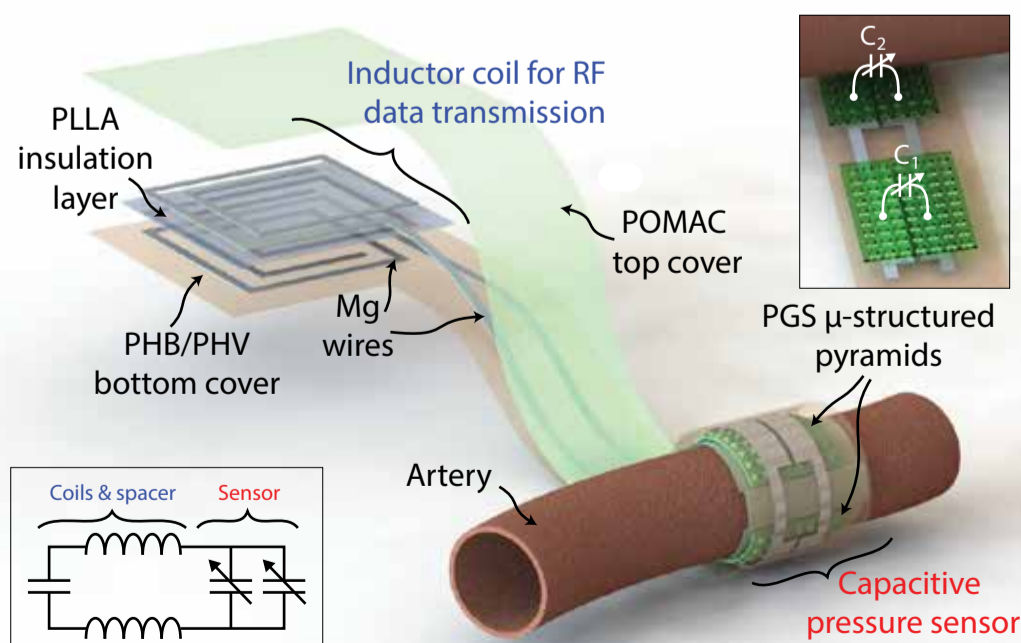
Open positions

- 1) Postdoctoral researcher
- 2) Graduate student researcher (MSc or PhD)
- 3) Undergrad research interns

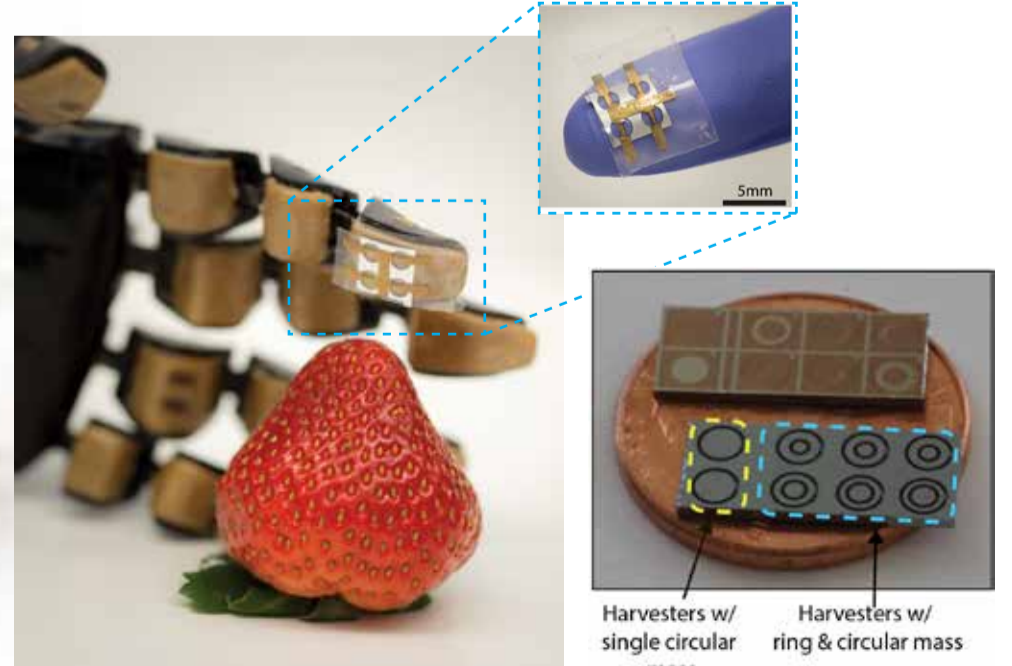
Candidates from various disciplines (ME/EE/CHE/MatSci/BioE) are encouraged to apply. Current research topics include:

- MEMS/flexible electro-mechanical/chemical sensor/actuator design
- Wearable system development
- Vibration/acoustics/wireless power transfer
- Bio-resorbable/stretchable materials

We have competitive compensation package for successful candidates. Check <http://microdevices.ku.edu.tr> for more details on our research. If you have questions or want to apply, send an email to Dr. L. Beker (Lbeker@ku.edu.tr) attach your resume along with a paragraph explaining your interests.



Biodegradable and flexible arterial-pulse sensor for the wireless monitoring of blood flow. (*Nature Biomedical Eng*, vol 3, 47–57, 2019)



Bio-inspired softness sensor for electronic-skin applications.

Energy harvesters for neural implants

<http://microdevices.ku.edu.tr>