Research on Novel Medical Device Prototyping (DC Power Electronics and/or RF Antenna/Electromagnetics) for Next Generation MRI Coil Prototyping at Cedars-Sinai Medical Center in LA

To immediately recruit **Research Associate (RA)** (Bachelor degree required) And **Research Interns** (undergraduate students) full time or part time for medical device prototyping, particularly on **DC Power electronics engineer and/or RF engineer Antenna/Electromagnetics**.

https://www.cedars-sinai.edu/Research/Research-Labs/Han-Lab/Lab-Members.aspx

- Be paid well if work outcome is satisfactory.
- Broad knowledge or hands-on skills on microwave, Antenna, Electromagnetics
- **PCB board design, layout and debugging.**
- Power Electronics engineer: prototyping multi-channel DC current amplifier with high power (1-8 Ampere, average 4A) and low power (0-1A, average 0.1A)
- RF spectrum bench measurement (S-parameters, Smith Chart) with Network Analyzer
- Medical device electronic hardware prototyping
- Prefer candidates with an inclination for a continuing PhD study in UCLA and Cedars-Sinai.
- Prefer strong hands-on bench skills.
- Preferably a commitment for a year besides full time in summer.
- Parking provided.