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Smart Polymers for Biomedical Applications  
Research Group: 2 PhD, 3 MS students, 3 BS students, 3 TAMS students

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**Softening shape memory polymers as substrates for bioelectronic devices**

- Design and synthesis of smart polymeric biomaterials  
- Ensuring that novel biomaterials are biocompatible  
- Using softening polymers as substrate to create devices that are conformal to tissue  
- Applying microfabrication to create neural interfaces capable of recording and stimulation

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**Smart Polymers**

- Bioelectronic Devices
  - Biocompatibility

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**www.eckerlab.com**