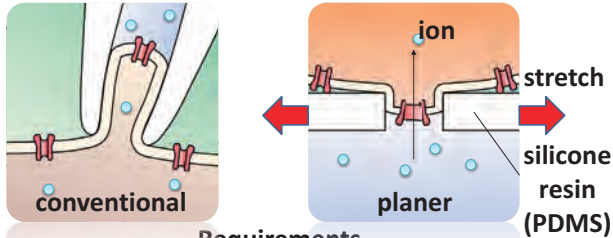


# Development of planar patch clamp system capable of recording mechanosensitive response

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Patch clamp system with silicone resin: for recording mechanosensitive response

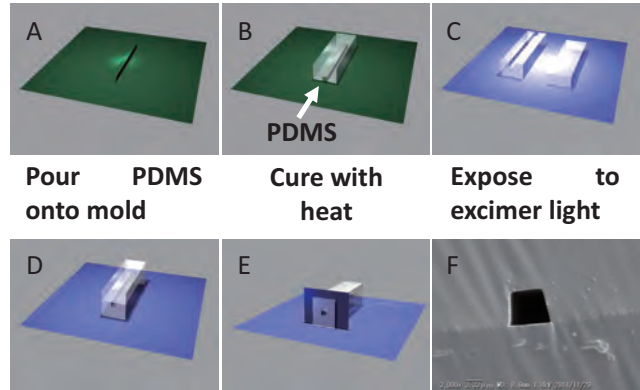
## 1. Planer Patch Clamp



Requirements

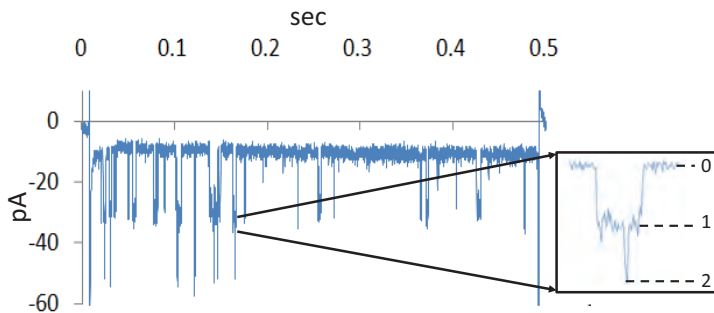


Easy to use, capable of recording stretch response

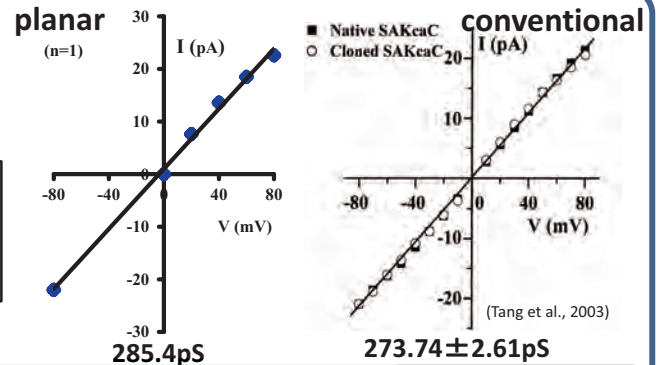


High throughput electrode fabrication

## 2. Recording of ion channel currents

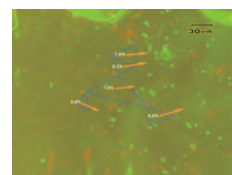
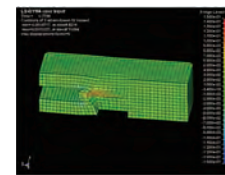
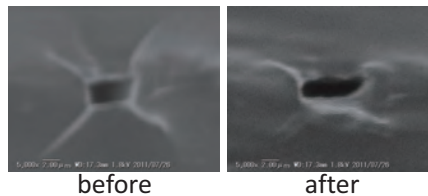
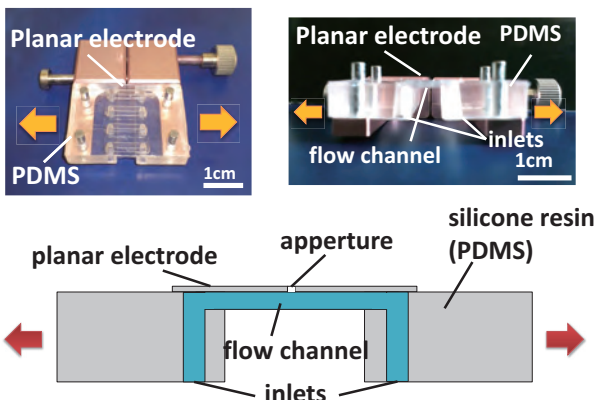


current response



Capability of recording ion channel response with high precision

## 3. Stretching planar electrode



solve the problems  
in conventional method



application for academic research,  
pharmaceutical industry, and more

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