Johns Hopkins Engineering

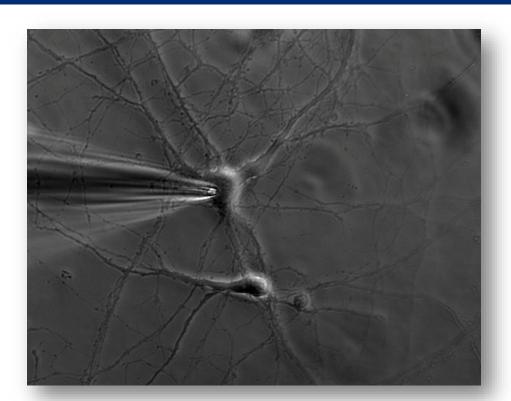
Methods in Neurobiology

Introduction to Electrophysiology

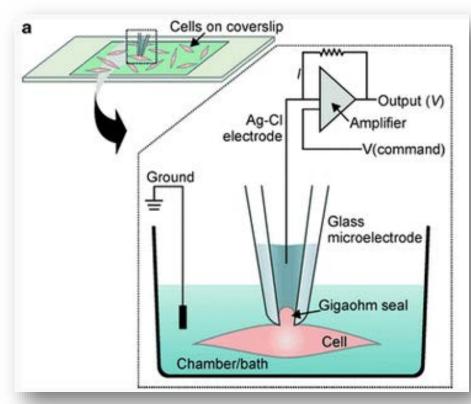


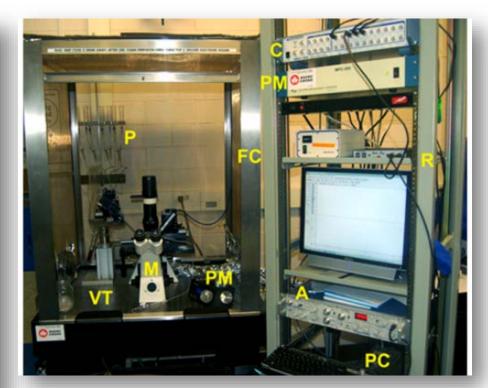
Electrophysiology

- Voltage clamp
- Patch clamp
- Videos on how to set up an Electrophysiology experiment
- Patch-seq and recordings from complex samples



Patch clamp: the basics





References

Slide	Reference
2	Veitinger, S., 2011 The Patch-Clamp Technique Leica Microsystems. https://www.leica-microsystems.com/science-lab/the-patch-clamp-technique/
3	Remillard, C.V., Yuan, J. X-Y. 2010 Conventional Patch Clamp Techniques and High-Throughput Patch Clamp Recordings on a Chip for Measuring Ion Channel Activity. In Yuan, J. X-Y., Garcia, J. G.N., West, J.B., Hales, C.A., Rich, S., Archer, S.L. 495-510 Textbook of Pulmonary Vascular Disease. Springer Senatore, A., Boone, A.N., Spafford, J.D. 2011 Optimized Transfection Strategy for Expression and Electrophysiological Recording of Recombinant Voltage-Gated Ion Channels in HEK-293T Cells. J.Vis.Exp. (47), e2314.

