



# Electrochemistry for Biomedical Researchers

*Richie L C Chen*

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## **Electrochemistry for Biomedical Researchers** Richie L C Chen

This book is a brief introductory text of the fundamental electrochemistry that is essential for important biomedical areas including electrophysiology, biosensors and even gene technology. The book targets readers who generally lack a substantial background knowledge in physical chemistry or the basic concepts in electricity for understanding most of the electrochemical textbooks, monographs or research articles. The contents are expressed in a concise and concept-by-concept manner with basic material such as math or optional applications appended in the appendices. Hopefully, it will be a quick and efficient solution for those who are eager to understand, handle and even develop an electrochemical method or tool by themselves.

*Co-publish with National Taiwan University. Distributed worldwide by World Scientific Publishing Co. except Taiwan.*

### **Contents:**

- Membrane Potential
- Conductivity
- Redox Potential
- Amperometric Measurement
- Steady-State Voltammetry
- Transient Voltammetry
- Interface Impedance
- Oscillation and QCM
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**Readership:** Students, professionals, biomedical researchers and general public.

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