Lab 2
ECG circuits, Signal Sampling and Digitization Q&A

Meng-Lin Li (李夢麟), Ph. D.

mlli@ee.nthu.edu.tw

Department of Electrical Engineering

National Tsing Hua University

1. 為何用筆電供電給ECG電路，也有60 Hz市電的干擾？

- Power supply?
- Electromagnetic interference (EMI)

2. 關於分析心率 (心跳的頻率)

- 很多同學想說從ECG訊號的Fourier spectrum來分析心率，可行嗎?

- Why not simply use peak finding (R-R interval)?

3. ECG訊號處理前最好先把DC Bias拿掉!!!

- 10-bit "unsigned" ADC (input range 0 to 5 Volt)
  - Definitely, you will see DC bias (or DC signal or 0-Hz signal).

4. MATLAB如何搭配Powerpoint來寫報告？