

## **CORRIGENDUM**

Thin Film Nanoelectronic Probe for Protein Detection – **CORRIGENDUM**

Rahim Esfandyarpour, Mehdi Javanmard, Zahra Koochak, Hesaam Esfandyarpour,  
James S. Harris, and Ronald W. Davis

doi: 10.1557/opl.2013.660, Published by Materials Research Society, 5 June 2013.

The article's reference list has been updated with the proper citation format.

### **Reference**

Rahim Esfandyarpour, Mehdi Javanmard, Zahra Koochak, Hesaam Esfandyarpour,  
James S. Harris and Ronald W. Davis (2013). Thin Film Nanoelectronic Probe for  
Protein Detection. MRS Proceedings, 1572, mrss13-1572-ss01-10  
doi:10.1557/opl.2013.660.

## REFERENCES

1. Dunphy, W. G.; Kumagai, A., The cdc25 protein contains an intrinsic phosphatase activity. *Cell* 1991, 67 (1), 189-196.
2. Stillman, B., Smart machines at the DNA replication fork. *Cell* 1994, 78 (5), 725-728.
3. Stevens, M. M.; George, J. H., Exploring and engineering the cell surface interface. *Science* 2005, 310 (5751), 1135-1138.
4. Astumian, R. D., Adiabatic pumping mechanism for ion motive ATPases. *Physical review letters* 2003, 91 (11), 118102.
5. Esfandyarpour, R.; Esfandyarpour, H.; Javanmard, M.; Harris, J. S.; Davis, R. W., Microneedle Biosensor: A Method for Direct Label-free Real Time Protein Detection. *Sensors and Actuators B: Chemical* 2012.
6. Esfandyarpour, R.; Esfandyarpour, H.; Javanmard, M.; Harris, J. S.; Davis, R. W. In *Electrical Detection of Protein Biomarkers Using Nanoneedle Biosensors*, MRS Proceedings, Cambridge Univ Press: 2012.
7. Koritsas, V. M.; Atkinson, H. J., An assay for detecting nanogram levels of proteolytic enzymes. *Analytical biochemistry* 1995, 227 (1), 22-26.
8. van Oss, C. J.; Giese, R. F.; Bronson, P. M.; Docoslis, A.; Edwards, P.; Ruyechan, W. T., Macroscopic-scale surface properties of streptavidin and their influence on aspecific interactions between streptavidin and dissolved biopolymers. *Colloids and Surfaces B: Biointerfaces* 2003, 30 (1), 25-36.
9. Butler, J.; Ni, L.; Brown, W.; Joshi, K.; Chang, J.; Rosenberg, B.; Voss Jr, E., The immunochemistry of sandwich ELISAs—VI. Greater than 90% of monoclonal and 75% of polyclonal anti-fluorescyl capture antibodies (CAbs) are denatured by passive adsorption. *Molecular immunology* 1993, 30 (13), 1165-1175.
10. Nordlund, H., Avidin engineering: modification of function, oligomerization, stability and structure topology. *Jyväskylän yliopisto*: 2003.
11. Salama, A. D.; Dougan, T.; Levy, J. B.; Cook, H. T.; Morgan, S. H.; Naudeer, S.; Maidment, G.; George, A. J.; Evans, D.; Lightstone, L., Goodpasture's disease in the absence of circulating anti-glomerular basement membrane antibodies as detected by standard techniques. *American journal of kidney diseases* 2002, 39 (6), 1162-1167.
12. Pitera, J. W.; Falta, M.; van Gunsteren, W. F., Dielectric properties of proteins from simulation: the effects of solvent, ligands, pH, and temperature. *Biophysical journal* 2001, 80 (6), 2546-2555.
13. Gray, H. B.; Winkler, J. R., Electron tunneling through proteins. *Quarterly reviews of biophysics* 2003, 36 (3), 341-372.
14. Larsson, S., Electron transfer in proteins. *J. Chem. Soc., Faraday Trans. 2* 1983, 79 (9), 1375-1388.