

Dr Ronald Myers Science editor JoVE

Institute for Physiology, Pathophysiology und Biophysics

Elena E. Pohl, MD University Professor

Tel. +43 1 25077 4570

Tel. +43 1 25077 4571 (Secretary)

Fax +43 1 25077 4595 Email: elena.pohl@vetmeduni.ac.at

Homepage: http://www.vetmeduni.ac.at/en/biophysics/

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Dear Editor,

We resubmit our manuscript with a modified title: "A novel micro agar salt bridge electrode for analysing proton turnover rate of recombinant membrane proteins" by Elena E. Pohl and Jürgen Kreiter, which now addresses all of the points that were raised by the reviewers.

In the course of the manuscript revision we additionally changed the term "Liquid Junction Potential" to "Diffusion Potential", which is more precise for the described setup.

We very much appreciate all of the constructive feedback that our original submission received. After having addressed the issues that had been raised, we feel that the quality of the paper has improved and we hope you will also agree.

Sincerely yours,