

ASSIGNMENT

WHEREAS I/WE, the below named inventors, (hereinafter referred to as "Assignors"), have made an invention entitled:

TRANSMEMBRANE PROTEINS AS BIOSENSORS

for which I/WE filed an application for:

United States Patent Application on **March 18, 2014** (Application No. **14/345,529**); and
International PCT Application on **September 18, 2012** (Application No. **PCT/US2012/055875**); and
United States Provisional Patent Application on **September 18, 2011** (Application No. **61/536,005**); and

WHEREAS Carnegie Institution of Washington, whose post office address is 1530 P Street, N.W., Washington, D.C. 20005 (hereinafter referred to as "Assignee"), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application of United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set my hands.

Full Name of First Assignor	Wolf B. Frommer
Address	1530 P Street, N.W., Washington, D.C. 20005
Signature	
Date	

Full Name of Second Assignor	Roberto De Michele
Address	1530 P Street, N.W., Washington, D.C. 20005
Signature	
Date	
Full Name of Third Assignor	Cindy Ast
Address	1530 P Street, N.W., Washington, D.C. 20005
Signature	
Date	