

Supporting information

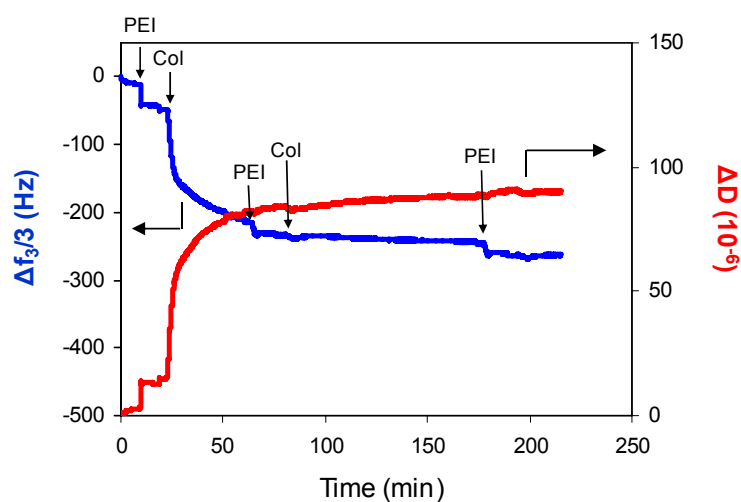


Fig. S1 QCM-D measurements showing frequency changes in the 3th overtone and the corresponding dissipation changes during the build-up of (PEI/COL)_n multilayers. The flow rate was maintained at 50 μ L/min throughout the experiment.

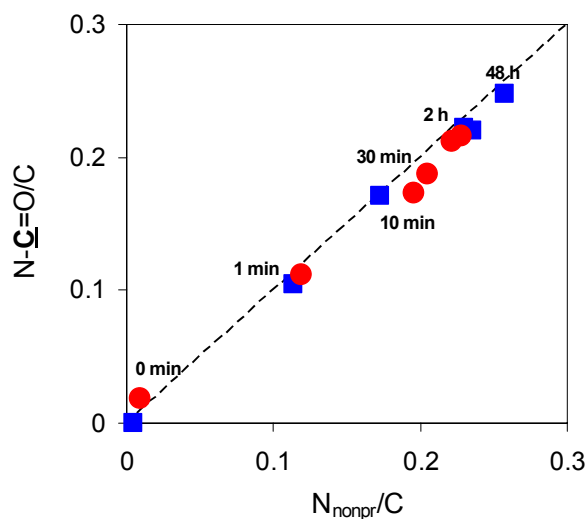


Fig. S2 Relation between N-C=O and N_{nonpr} molar concentrations ratioed to the total carbon molar concentration measured by XPS after adsorption for different times of native (■) or denatured collagen (●) on a PAH/PSS film.

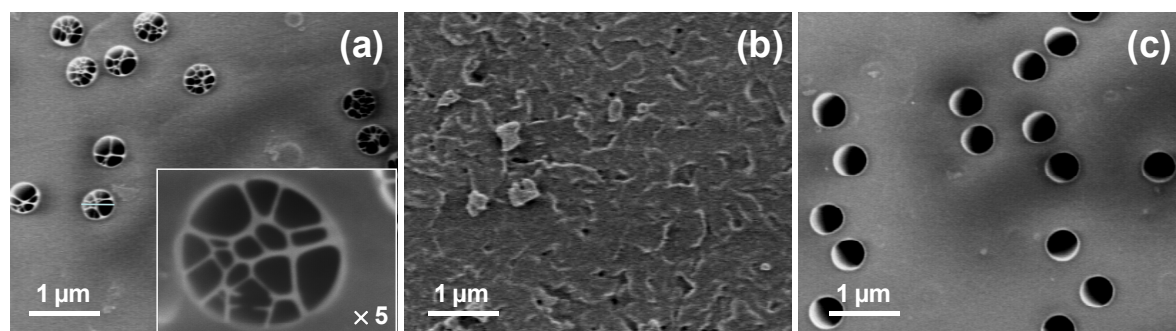


Fig. S3 SEM images of track-etched polycarbonate membrane (pore diameter ~ 500 nm) after the deposition of (a) PAH/PSS/COL and (b) PAH/(PSS/COL)₆ multilayers. The multilayer crust observed in (b) was removed as shown in (c).

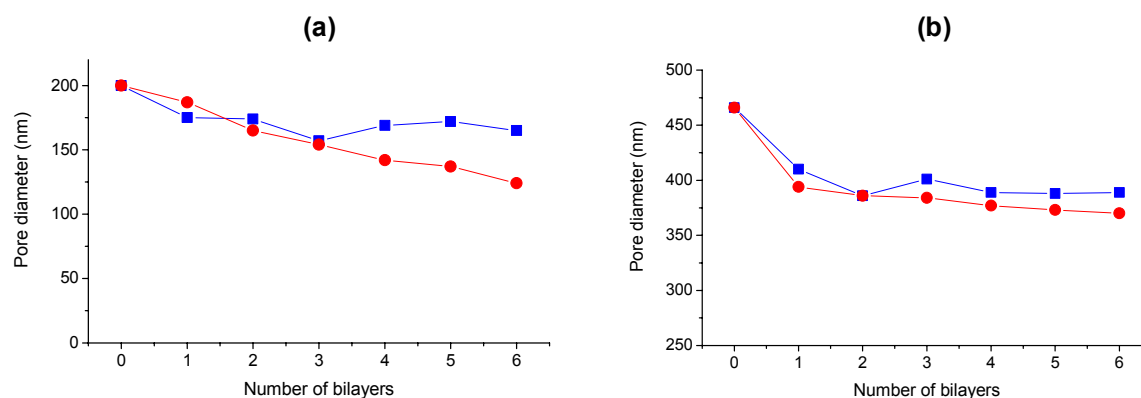


Fig. S4 Evolution of the pore diameters estimated with gas flow porometry as a function of the number of bilayers in polycarbonate track-etched membrane with initial pore size of about 200 (a) and 500 nm (b). Multilayers assembly was performed with native (■) or denatured collagen (●).