

Prof. Rob de Ruyter van Steveninck  
Biocomplexity Faculty Search Committee,  
Biocomplexity Institute,  
Indiana University

January 7, 2004

Dear Professor de Ruyter,

With this letter I would like to apply for an open position at the Biocomplexity Institute, Indiana University, which was advertised in naturejobs magazine (December 2003)

The major field of my research interest is the theoretical study of electron transport in biological systems. The quantum mechanics, nonequilibrium statistical mechanics, theory of stochastic processes in biology and chemistry and the influence of molecular dynamics of the system (protein) were used to solve the problems of the primary charge transfer processes in the reaction centers of photosynthetic bacteria.

The theory of topological defects on elastic surfaces is another field where I am working. This theory is used to investigate the carbon nanoparticles and their electronic structure on curved surfaces. The electronic structure is investigated within the gauge field theory.

The research programs and possible cooperation between different disciplines at Biocomplexity Institute motivates me to join your stuff. In case that you need more information let me know.

Attached is my CV with a list of published papers and also name of people who can give you a recommendation for me.

Yours Sincerely,

Michal Pudlak

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