

Dear Prof. Ruyter:

This is a letter of recommendation for Dr. Tatiana V. Karpinets for your assistant professor position in Bioinformatics. I have known Dr. Karpinets for three years. Like me, she graduated from one of the more prestigious Ukrainian universities that are highly regarded for producing well educated scientists. Therefore, it is not surprising she was able to quickly accomplish PhD in Biology and then a Dr. of Science degree in Russia.

Dr. Karpinets has a strong work ethic as evidenced by her CV. She has a gift for revealing biological mechanisms by mathematical analysis of experimental data and for setting biological systems into mathematical models. She has applied these skills to many areas in Russia. She has three patents. Her model is used widely in the Central Chernozemic Region to manage various crops. Two other models have international application and run interactively at the Internet. Part of your thesis is published as a chapter in a handbook on modeling issued last year by the Haworth Press.

Her recent work in bioinformatics and computational biology during the last three years has concentrated her interest in this field of science, and I feel she has successfully moved her career in this direction. Dr. Karpinets is a quick study and has a strong background in the life sciences, math, programming, chemistry and physics. This allows her to adapt to new areas of research and assimilate information in a short period of time as evidenced by her publications over the past two years in very prestigious journals, including Bioinformatics and Journal of Theoretical Biology. She also has reviewed several papers for Bioinformatics. Her recent papers indicate deep knowledge of genomics, gene array technology, cellular and molecular biology. In addition, broad knowledge and scientific interests allow her generate original ideas in new area of research and make her a good company and a skilful teacher. I think that Dr. Tatiana V. Karpinets posses education, training and original works to prepare her for this position, therefore I highly recommend her.

Sincerely,

Yuri Melnichenko

Yuri B. Melnichenko
Condensed Matter Sciences Division (CMSD)
Oak Ridge National Laboratory
1 Bethel Valley Rd.
Oak Ridge, TN 37831-6393
Tel. (865) 576-7746
FAX (865) 574-6268