

## **mgr Katerina Makarova**

Katerina Makarova was born on the 24th of November 1981 in Gomel, Belarus (former USSR). Her elementary studies were completed at the Gomel Lyceum in 1999. After following the undergraduate studies in the Belarusian State University (Minsk, Belarus) in the period 1999-2004, she graduated from the Radio Physics faculty with an Honours diploma. In the last year of her university studies she has completed her Msc work entitled: "Modelling and analysis of ESR spectra in membrane-protein systems". The experimental part of this work was done during her 3 month stay at the Laboratory of Biophysics, Wageningen University, under supervision of Dr. Marcus Hemminga.

2003 -2006 she studied and worked as a laboratory assistant at the Department of System Analysis (Radio Physics faculty of the Belarusian State University (Minsk)) on the research projects concerned with data analysis, neural networks and simulation modeling.

September 2006 – September 2008 she studied and worked at the IF PAN on research projects concerned with FTIR, photoluminescence and ESR of solid states. During this time she also visited Gent University (ENDOR ESR), Tartu University and attended courses of advanced physics of semiconductors, optics and research methods in physics.

From January 2006 until January 2011 she carried out her PhD study in the Laboratory of Biophysics, Wageningen University, as a sandwich PhD-fellow under the supervision of Dr. Igor Borovykh, Dr. Marcus Hemminga and Prof. Dr. V.V. Apanasovich and later also Dr. Henk Van As. Her scientific work was related to spin probe ESR, spin-trapping ESR and analysis and modeling of ESR spectra.

From November 2009 she is working as a teaching and research assistant at the Department of Physical Chemistry (Warsaw Medical University, Warsaw, Poland). Her scientific work is related to DFT calculations, simulations of ESR spectra and ESR spin trapping experiments