

Dusan Racko did his PhD studies partially at the Polymer Institute of the Slovak Academy of Sciences and partially at the Department of Chemistry of the Florence University and the European Laboratory for Non-linear Spectroscopy in Florence, where he worked in the Molecular spectroscopy & simulations group of Prof Gianni Cardini, in between years 2000 and 2005. The topic of his PhD Thesis was Computer simulations of condensed molecular phases.

Later on, he moved on a post-doc stay to Spain where he spent three years partially at the Faculty of Chemistry of the University of Basque Country and partially at the Donostia International Physics Center, from September 2007 till September 2010. There he worked on computer molecular dynamics simulations of polymer melts, in the Polymers & soft matter group of Prof Juan Colmenero de León.

After his return to the Polymer Institute of the Slovak Academy of Sciences in 2010, he took a position of Associate Professor at the Department of Molecular Simulations of Polymers, in the group of Prof Peter Cifra, where he worked on computer molecular dynamics simulations of DNA molecules and complex molecular systems.

Then, Dusan Racko spent four years on an expert stay in Switzerland, at the Center of Integrative Genomics, which is a part of the Faculty of Biology and Medicine of the University of Lausanne, between August 2014 and July 2018. He worked in the group of Chromosome and DNA Modeling of Prof Andrzej Stasiak on computer molecular simulations of DNA molecules, studying aspects of DNA topology and molecular biology. In January 2015, the group became also a part of the Swiss Institute of Bioinformatics.

After his return to the Polymer Institute SAS he became the Head of the Department of Molecular Simulations of Polymers, starting from June 2019. Dusan Racko is the author of about 35 CC publications, with about 700 citations. He presented or participated on about 130 conference contributions, including about 30 lectures in the EU and the US. As yet he received 6 invitations to give talks about his work on computer simulations at the international forums worldwide.

Aside of his scientific activities, Dusan Racko lived also for two years in Morocco. He speaks French and English. He likes computer technology, popular science and traveling. Among others, he visited CERN in Geneva, the construction site of the world's first fusion power plant (ITER) in Cadarache, the world oldest university in Bologna, the European fastest supercomputer site in the High Performance Computing Center in Stuttgart, etc.