

## **Biographical Sketch**

Nickolas Chelyapov

Research Scientist  
Department of Computer Science/ Department of Molecular Biology  
University of Southern California  
Los Angeles, California 90089

### Education:

Ph.D. Biophysics, Moscow State University, Moscow, Russia, 1974.  
Thesis: "Action of Alkylating Agents on the Structural Organization of Deoxyribonucleoprotein and Its Components."  
B.S. Biophysics, Moscow State University, Moscow, Russia, 1968.

### Professional Experience:

1995 – Present. University of Southern California. Research Scientist.  
Research in DNA computing, exquisite detection (1-1000) of various types of molecules  
In solution

1993-1995. Institute of Molecular Medicine, Huntington Memorial Hospital, Pasadena, California. Research Scientist.  
Gene therapy of HIV. Recombinant viral construct aimed at eliminating HIV1 infected cells.

1990-1993. Molecular Biology Laboratory, Department of Pediatrics, Cedars Sinai Medical Center, Los Angeles, California. Research Associate.  
Molecular biological aspects of pediatric AIDS. Early diagnostics, virus characterization, dynamics of infection, response to treatment.

1975-1990. Research Institute for Viral Preparation, Moscow, Russia. Research Scientist.  
Molecular Biology of antiviral vaccines.

1974-1975. Institute of Medical Genetics, Moscow, Russia. Research Assistant.  
Chromatin structure and molecular biology in genetic diseases.

## Bibliography:

1. Revie D., Braich RS., Bayles D., **Chelyapov N.**, Khan R., Geer C., Reisman R., Kelley AS., Prichard JG., and Salahuddin SZ.: Transmission of human hepatitis C virus from patients in secondary cells for long term culture. Virology Journal 2:37, 2005 (<http://www.virologyj.com/content/2/1/37>).
2. Revie D., Alberti MO., Braich RS., **Chelyapov N.**, Bayles D., Prichard JG., and Salahuddin SZ. Analysis of in vitro replicated human hepatitis C virus (HCV) for the determination of genotypes and quasispecies. Virology Journal 3:81, 2006 (<http://virologyj.com/content/3/1/81>).