



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) Gheorghe NECULA
Address(es) Bucharest, Romania
Telephone(s) Mobile:
Fax(es)
E-mail george.necula@nipne.ro, gneacula@cantacuzino.ro
Nationality Romanian
Date of birth
Gender Male

Desired employment / Occupational field

Molecular Modelling and Biomedical Research

Work experience

Dates October 2007 - present
Occupation or position held Scientific researcher
Main activities and responsibilities Molecular epidemiology of measles and rubella
Influenza virus surveillance and genetic characterization
Phylogenetics and Bioinformatics
Name and address of employer National Institute of Research and Development in Microbiology and Immunology "Cantacuzino"
Splaiul Independentei 103, Sector 5, PO Box 1-525, 050096, Bucharest, Romania;
<http://www.cantacuzino.ro>
Type of business or sector Research and Development
Public Health
Dates August 2014 - present
Occupation or position held Scientific researcher gr. III
Main activities and responsibilities Molecular modeling, Computational biology
Name and address of employer Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering, Str. Reactorului no.30,
P.O.BOX MG-6, Bucharest - Magurele, ROMANIA, <http://www.nipne.ro/>
Type of business or sector Research and Development

Education and training

Dates October 2008 – September 2011
Title of qualification awarded Doctor in Biology (Ph. D.)
Principal subjects/occupational skills covered Virology, Molecular biology and Molecular modeling
Thesis title "Genetic Variability, Structure and Dynamics of H1N1 pandemic virus surface glycoproteins in Romania (2009-2011)
Name and type of organization providing education and training University of Bucharest, Faculty of Biology, Splaiul Independentei 91-95, Sector 5, Bucharest Romania.
Level in national or international classification ISCED 8

Dates October 2006 – July 2008
 Title of qualification awarded Master in Biology
 Principal subjects/occupational skills covered Neurobiology, Molecular biology, Biophysics and Ionic channels
 Name and type of organization providing education and training University of Bucharest, Faculty of Biology, Splaiul Independentei 91-95, Sector 5, Bucharest Romania.
 Level in national or international classification ISCED 7

Dates October 2002 – July 2006
 Title of qualification awarded Bachelor of Science
 Principal subjects/occupational skills covered Biology
 Name and type of organization providing education and training University of Bucharest, Faculty of Biology, Splaiul Independentei 91-95, Sector 5, Bucharest Romania.
 Level in national or international classification ISCED 6

Mother tongue(s) **Romanian**
 Other language(s)

Self-assessment
European level ()*

English
French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
A1	Basic user	A1	Basic user	A2	Basic user	A2	Basic user	A2	Basic user

Technical skills and competences Molecular modeling, Computational biology and Molecular biology.

Computer skills and competences Good command of Microsoft Office (Word, Excel and PowerPoint), Microsoft Windows, Mac OS, Bioinformatics and Phylogeny software (RAXML, PhyML, Mr. Byers, BEAST, JModelTest, BioEdit, MEGA, Sequencer, FigTree) Molecular modeling (VMD, PyMol, ArgusLab, MOE, Chimera, Swiss-PdbViewer, PDB2PQR, CAVER, MOLE 2, PIPSA), Homology modeling (MODELLER), Molecular dynamics (CHARMM, NAMD, DESMOND), *ab initio* simulations (GAUSSIAN 09, GAMESS) and Docking (AutoDock 4, AutoDock Vina, Schrodinger GLIDE).

Date
 12.02.2016

Gheorghe NECULA