

# **Evgeniya Peshkova**

**Nata a Mosca, Russia il 24 Maggio 1976**

## **POSIZIONE ACCADEMICA**

Qualifica: Ricercatore Universitario

Settore Concorsuale dal 03/10/2011 05/E1 - Biochimica Generale e Biochimica Clinica

Settore Scientifico Disciplinare dal 01/06/2008 BIO/10 - Biochimica

Anzianità nel ruolo 01/06/2008

Sede universitaria: Università degli Studi di GENOVA

Dipartimento: Dipartimento di MEDICINA SPERIMENTALE (DIMES)

**Numero totale di articoli in Web of Science 50**

**Numero totale di citazioni in Web of Science 448**

**H-index (Web of Science) 12**

**Numero totale di articoli in Scopus 64**

**Numero totale di citazioni in Scopus 754**

**H-index (Scopus) 16**

## **Pubblicazioni Internazionali:**

1. Pechkova E, Nicolini C. Accelerated protein crystal growth by protein thin film template. *Journal of Crystal Growth*. 2001;231(4):599-602, 2001.
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5. Pechkova E, Zanotti G, Nicolini C. Three-dimensional atomic structure of a catalytic subunit mutant of human protein kinase CK2. *Acta Crystallogr D Biol Crystallogr*. 2003 Dec;59(Pt 12):2133-9.
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15. Nicolini C, Pechkova E. Structure and growth of ultrasmall protein microcrystals by synchrotron radiation: I. microGISAXS and microdiffraction of P450scc. *J Cell Biochem*. 2006 Feb 15;97(3):544-52.
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70. Nicolini C, Spera R, Pechkova E. Spads and SNAP-NAPPA microarrays for biomarkers identification in humans: background subtraction in mass spectrometry with e.coli cell free expression system, *J Mol Biomark Diagn*. 2014, accepted
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### **Recent Abstracts published in proceedings**

- Pechkova E, Belmonte L, Nicolini C. Mass spectrometry, SPADs and SNAP-NAPPA micron arrays for biomarkers identification in humans. *al.*, *J Mol Biomark Diagn* 2014, 5 (2): 83.
- Nicolini C, Bragazzi N, Pechkova E. Drug-protein and drug-gene interactions for clinical research by NAPPA QCM\_D conductimetry. *J Mol Biomark Diagn* 2014, 5 (2): 82.
- Nicolini C, Spera R, Belmonte L, Festa F, Chong S, Pechkova C, LaBaer J. Mass spectrometry and florescence analysis of snap nappa arrays. *J Nanomed Nanotechnol* 2013, 4 (6): 102
- Nicolini C, Pechkova E, Bavastrello V. Organic and biological nanosensors for environment *J Marine Sci Res Dev* 2013, 3(3): 80
- Nicolini C, Spera R, Pechkova C. From label free mass spectrometry of nappa and snap generated proteins to QMC\_D sensor of new conception. *J Marine Sci Res Dev* 2013, 3 (3):50.
- Spera R, Vasile F, Pechkova E, Nicolini C. Correlation of Changes of Cho–K1 Cells Metabolism to Changes in Protein Expression in Camp Differentiation. *Altern Integ Med*. 2013;2:105.

### **Libri e Capitoli dei Libri**

1. Pechkova E., Nicolini C., *Proteomics and Nanocrystallography*, Kluwer Academic Plenum Publishers, 1-190, 2003.
2. Pechkova E., Nicolini C., *From Art to Science in Protein Crystallography by Means of Nanotechnology – one year later*, invited chapter, in *Trends In Nanotechnology Research*, Nova Science Publishers, 31-50, 2004.
3. Pechkova E., Nicolini C., *Synchrotron Radiation and Nanobiosciences*, Special Issue *Journal of Synchrotron Radiation* 12, 2005.
4. Pechkova, E., *Capitolo 3 in Biofisica e Propedeutica Biofisica*, C. Nicolini, Aracne Editrice, 2009

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6. Pechkova, E. , Riekkel, C., Structural Proteomics and Synchrotron Radiation, Pan Stanford Series on Nanobiotechnology, Volume 3, pp. 1-447, (Singapore, New Jersey and London) 2012.
7. Nicolini C., Riekkel C., Pechkova E. Growth and organization of Langmuir-Blodgett protein crystals via in situ GISAXS, laser-microdissection, nanodiffraction, Raman spectroscopy and atomic force microscopy. In: Synchrotron Radiation and Structural Proteomics, (Eds E. Pechkova, C. Riekkel), Volume 3 Pan Stanford Series on Nanobiotechnology (Singapore), pp. 383-407, 2012.
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9. Pechkova E., McSweeney S., Nicolini C. Atomic structure and radiation resistance of Langmuir-Blodgett protein crystals. In: Synchrotron Radiation and Structural Proteomics, (Eds E. Pechkova, C. Riekkel), Volume 3, Pan Stanford Series on Nanobiotechnology (Singapore), pp. 249-275, 2012.
10. Sivozhelezov V., Pechkova E., Nicolini C. Molecular modeling to facilitate protein crystallization. In: Synchrotron Radiation and Structural Proteomics, (Eds E. Pechkova, C. Riekkel), Volume 3, Pan Stanford Series on Nanobiotechnology (Singapore), pp. 201-235, 2012.
11. Gadomski A., Santamaria-Holek I., Kruszewska N., Uher J.J., Pawlak Z., Oloyede A., Pechkova E., Nicolini C., Can modern statistical mechanics unravel some practical problems encountered in model biomatter aggregation emerging in internal- and external-friction conditions?, In Statistical Mechanics Research (Ed. Byung-Soo Kim), ISBN 978-2-60456-029-9, Nova Science Publishers Inc., New York , pp. 44-98, 2008
12. Nicolini C., Pechkova E. Aspetti Biochimici su Struttura e Funzione delle Biomolecole. In: Biochimica Umana Con Schede Cliniche. Editore: Francesco Salvatore. Napoli: Idelson Gnocchi Edizioni Scientifiche, Capitolo 24, p. 775-798, 2013.
13. Pechkova E, Bragazzi NL, Nicolini C. Advances in nanocrystallography as a proteomic tool. Advances in Protein Chemistry and Structural Biology, Volume 95, Proteomics in Biomedicine and Pharmacology (Ed. Rossen Donev), Chapter 5, 163-191, 2014.

*Nota*

*In data 1.06.2004, prot.N224/c. il Consolato della Federazione Russa a Genova dichiara che la cittadina russa Pechkova Eugenia nata il 24 maggio 1976, ex-titolare del passaporto 44N4498491 (modulo URSS) e Peshkova Evgeniya nata il 24 maggio 1976, titolare del passaporto 51N2848028 (ora 71N0952041)(modulo Federazione Russa), corrispondono alla stessa persona fisica. Le modifiche erano fatte in conformità alla legislazione russa e dovute al cambiamento della trascrizione (inglese invece di francese) dall'alfabeto cirillico.*