Curriculum vitae (CV)

Personal information

First name, last name	Pavel Arsenyan
Birth data	May 29, 1975.

Education

1997 – M. Sci. Faculty of Chemical Technology, Riga Technical University (ISCED-7).
2001 – Dr. Chem., Department of Chemistry, University of Latvia, Riga, Latvia. (ISCED-8).

Current employment

Since 2005. Senior researcher, group leader, Latvian Institute of Organic Synthesis, Pharmacomodulators synthesis group

Previous employment

1994-2004. Researcher, Latvian Institute of Organic Synthesis, Laboratory of Organometallic chemistry.

Pavel Arsenyan was born in 1975 in Liepaja, Latvia. He is head of Pharmacomodulator's synthesis group since 2005. He obtained his PhD in 2001 in University of Latvia. His research interests include organic synthesis, chemistry of selenium and tellurium and antitumor activity studies, development of new methods in heterocyclic chemistry, organometallic chemistry, elaboration of eco-friendly synthetic methods.

Scientific publications
[Corresponding Author and co-author of 196 scientific publications (incl. 102 articles and 19 patents).

Recent publications:

1. Domracheva I.; Kanepe-Lapsa I.; Jackevica L.; Vasiļjeva J.; Arsenyan P. Selenopheno quinolinones and coumarins promote cancer cell apoptosis by ROS depletion and caspase-7 activation. *Life Sci.* **2017**, *186*, 92-101.
2. Paegle E.; Domracheva I.; Turovska B.; Petrova M.; Kanepe-Lapsa I.; Gulbe A.; Liepinsh E.; Arsenyan P. Natural-Antioxidant-Inspired Benzo[b]selenophenes: Synthesis, Redox Properties, and Antiproliferative Activity. *Chem. Asian J.* **2016**, *11*(13), 1929-1938.
3. Vasijeva, J, Domracheva, I., Arsenyan, P. Selenium analogues of (*S*)-clopidogrel: preparation method and properties. *Tetrahedron Lett.*, **2016**, *57*, 196-198.
4. Arsenyan, P., Vasiljeva, J., Belyakov, S., Liepinsh, E., Petrova, M. Fused Selenazolinium Salt Derivatives with a Se-N^+ Bond: Preparation and Properties. *Eur. J. Org. Chem.*, **2015** (26), pp. 5842-5855.
5. Paegle, E., Belyakov, S., Petrova, M., Liepinsh, E., Arsenyan, P. Cyclization of Diaryl(hetaryl)alkynes under Selenobromination Conditions: Regioselectivity and Mechanistic Studies. *Eur. J. Org. Chem.*, **2015** (20), pp. 4389-4399.
6. Arsenyan, P., Petrenko, A., Belyakov, S. Improved conditions for the synthesis and transformations of aminomethyl selenophenothiophenes. *Tetrahedron*, **2015**, 71 (15), pp. 2226-2233.
7. Arsenyan, P., Paegle, E., Domracheva, I., Gulbe, A., Kanepe-Lapsa, I., Shestakova, I. Selenium analogues of raloxifene as promising antiproliferative agents in treatment of breast cancer. *Eur. J. Med. Chem.*, **2014**, 87, pp. 471-483.

Awards
2015 – Latvian Academy of Sciences. *"Greatest achievement in Latvian science" for elaboration of original selenium containing antitumor drug candidates*
Participation in scientific bodies
2007–present: Member of expert commission in Organic and Medicinal chemistry of Latvian Council of Science. 2007–present: Journal Editorial Board member "ARKIVOC" 2015 – Corresponding Member of Latvian Academy of Sciences
Institutional positions
2005 – Head of Pharmacomodulators synthesis group