

## Curriculum vitae: Alexey Danilkovich



### Address

Shemyakin–Ovchinnikov Institute of  
bioorganic chemistry RAS, Moscow,  
Russia

### Contacts

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<https://www.ibch.ru/en/users/928>

## Education

|               |                 |                                      |  |
|---------------|-----------------|--------------------------------------|--|
| 1984–<br>1987 | USSR,<br>Moscow | Academy of Sciences of the<br>USSR   | PhD student at the Laboratory of gene's synthesis; IBCH<br>Acad Sci USSR |
| 1979–<br>1984 | USSR,<br>Moscow | Lomonosov Moscow State<br>University | Department of Biology, Chair of Bioorganic chemistry                     |

## Teaching

|                 |   |   |   |
|-----------------|---|---|---|
| 2023–to<br>date | Pushchino, Russian<br>Federation 142290 | Branch of RosBioTech<br>University at Pushchino | Gene engenerig; Physical chemistry;<br>Molecular genetics |
| 2019–<br>2023   | Pushchino, Russian<br>Federation 142290 | Federal Life Sciences Institute<br>at Pushchino | Gene engenerig; Physical chemistry;<br>Molecular genetics |
| 2006–<br>2019   | Pushchino, Russian<br>Federation 142290 | PushGENI State University                       | Gene engenerig  |

## Work experience

|                     |   |   |                                   |
|---------------------|---|---|-----------------------------------|
| 1988–<br>to<br>date | Pushchino, Russian<br>Federation 142290 | State Center for Science by the Shemyakin & Ovchinnikov<br>Institute of bioorganic chemistry at Pushchino | Ph.D.<br>Scientist-<br>Researcher |
|---------------------|---|---|-----------------------------------|

## IBCh positions

|           |                 |
|-----------|-----------------|
| 2012–2022 | Research fellow |
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## Skills

Comet assay in vivo, in vitro;

APL aproach to designing effective peptide ligands;

molecular dynamics.

Recombinant DNA and proteins.

## Language Proficiency

Russian, English, Deutsch

## Titles

Doctor of Philosophy (Chemistry)

## Contacts

<https://www.webofscience.com/wos/author/record/E-4014-2010>

## Publications

1. **Danilkovich A**, Tikhonov D (2023). Theory of Liquids for Studying the Conformational Flexibility of Biomolecules with Reference Interaction Site Model Approximation. *Physics (Switzerland)* 5 (4), 1126–1144, [10.3390/physics5040073](https://doi.org/10.3390/physics5040073)
2. **Danilkovich AV**, Turobov VI, Palikov VA, Palikova YA, Shepelyakovskaya AO, Mikhaylov ES, Slashcheva GA, Shadrina TE, Shaykhutdinova ER, Rasskazova EA, Tukhovskaya EA, Khokhlova ON, Dyachenko IA, Ismailova AM, Zinchenko DV, Navolotskaya EV, Lipkin VM, Murashev AN, Udovichenko IP (2023). C-Terminal Region of Caveolin-3 Contains a Stretch of Amino Acid Residues Capable of Diminishing Symptoms of Experimental Autoimmune Encephalomyelitis but Not Rheumatoid Arthritis Modeled in Rats. *Biomedicines* 11 (10), 2855, [10.3390/biomedicines11102855](https://doi.org/10.3390/biomedicines11102855)
3. **Danilkovich AV**, Tikhonov DA, Lipkin VM (2023). Dynamics of 24 Self-Assembling H-(RADA)4-OH Peptides Complexed in Bi-Layered Structure with Layers in syn- and anti-Orientation. *Russ. J. Bioorganic Chem.* 49 (3), 538–549, [10.1134/S106816202303010X](https://doi.org/10.1134/S106816202303010X)
4. Palikova YA, Palikov VA, Novikova NI, Slashcheva GA, Rasskazova EA, Tukhovskaya EA, **Danilkovich AV**, Dyachenko IA, Belogurov AA, Kudriaeva AA, Bugrimov DY, Krasnorutskaya ON, Murashev AN (2022). Derinat® has an immunomodulatory and anti-inflammatory effect on the model of acute lung injury in male SD rats. *Front Pharmacol* 13, 1111340, [10.3389/fphar.2022.1111340](https://doi.org/10.3389/fphar.2022.1111340)
5. **Данилкович АВ**, Тихонов ДА (2019). Биогели. Структурные особенности комплексов антипараллельных и параллельных пептидов H-(RADA)4-OH со слоями в syn-ориентации. *Keldysh Preprints* (72), 24, [10.20948/prepr-2019-72](https://doi.org/10.20948/prepr-2019-72)
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