

Dr. Vladimir O. Talibov

Neversvägen 43
SE 22479
Lund, Sweden

+460728453329
vladimir.o.talibov@gmail.com
<http://vtalibov.xyz>

Summary	Protein chemist with an interest in early stage drug discovery. Experienced in biosensors, general biophysical techniques and enzymology. Keen to set up new expertises and methodologies that are required for a successful project development.	
Skills	<p><u>Experimental</u>: Biophysical methods (SPR, MST, TSA), protein techniques, expression&purification, enzymology.</p> <p><u>Computer</u>: *nix, Python (data analysis, RDkit), T_EX, crystallographic suites, KNIME.</p> <p><u>Languages</u>: English, Russian, Swedish (basic).</p> <p><u>Expertise</u>: FBLD, early-stage drug design, biophysical methods, protein chemistry.</p>	
Experience	<i>Researcher</i> MAX IV laboratory, Lund, Sweden	2019 – current
	<ul style="list-style-type: none">• Beamline development and user support as a beamline scientist.• Design, maintenance and curation of in-house fragment library; development of operational protocols for MAX IV fragment screening facility.	
	<i>Laboratory Assistant</i> OOO "Biochip-IMB", Moscow, Russia	2012 – 2014
	<ul style="list-style-type: none">• Clinical chemistry: development and benchmarking of protein microarray-based diagnostic assays.• QC of proteins and reactive small molecules.	
Education	<i>PhD in Biochemistry</i> Uppsala University, Uppsala, Sweden Biophysical methods. Thesis: " Interaction kinetic analysis in drug design, enzymology and protein research "	2014 – 2019
	<i>BSc&MSc in Chemistry</i> Moscow State University, Moscow, Russia	2008 – 2013
Interests	Protein chemistry, methods for FBLD, drug design, protein-ligand interfaces.	

Publications

- [1] E. Fabini, V. O. Talibov, F. Mihalic, M. Naldi, M. Bartolini, C. Bertucci, A. Del Rio, and U. H. Danielson. “Unveiling the biochemistry of the epigenetic regulator SMYD3”. In: *Biochemistry* 58.35 (2019), pp. 3634–3645.
- [2] V. O. Talibov, V. Linkuvienė, U. H. Danielson, and D. Matulis. “Kinetic Analysis of Carbonic Anhydrase–Sulfonamide Inhibitor Interactions”. In: *Carbonic Anhydrase as Drug Target*. Springer, Cham, 2019, pp. 125–140.
- [3] V. Linkuviene, V. O. Talibov, U. H. Danielson, and D. Matulis. “Introduction of intrinsic kinetics of protein–ligand interactions and their implications for drug design”. In: *J. Med. Chem.* 61.6 (2018), pp. 2292–2302.
- [4] C. Seeger, V. O. Talibov, and U. H. Danielson. “Biophysical analysis of the dynamics of calmodulin interactions with neurogranin and Ca²⁺/calmodulin-dependent kinase II”. In: *J. Mol. Recognit.* 30.8 (2017), e2621.
- [5] V. O. Talibov, V. Linkuvienė, D. Matulis, and U. H. Danielson. “Kinetically selective inhibitors of human carbonic anhydrase isozymes I, II, VII, IX, XII, and XIII”. In: *J. Med. Chem.* 59.5 (2016), pp. 2083–2093.
- [6] V. I. Butvilovskaya, M. V. Tsybulskaya, A. A. Tikhonov, V. O. Talibov, P. V. Belousov, A. Y. Sazykin, A. M. Schwartz, S. A. Surzhikov, A. A. Stomakhin, O. N. Solopova, et al. “Preparation of recombinant serpins B3 and B4 and investigation of their specific interactions with antibodies using hydrogel-based microarrays”. In: *Mol. Biol.* 49.5 (2015), pp. 705–713.
- [7] B. Koos, G. Cane, K. Grannas, L. Löf, L. Arngården, J. Heldin, C.-M. Clausson, A. Klaesson, M. K. Hirvonen, F. M. De Oliveira, et al. “Proximity-dependent initiation of hybridization chain reaction”. In: *Nat. Commun.* 6 (2015), p. 7294.
- [8] G. U. Feyzkhanova, M. A. Filippova, V. O. Talibov, E. I. Dementieva, V. V. Maslennikov, Y. P. Reznikov, N. Offermann, A. S. Zasedatelev, A. Y. Rubina, and M. Fooker-Achterrath. “Development of hydrogel biochip for in vitro allergy diagnostics”. In: *J. Immunol. Methods* 406 (2014), pp. 51–57.
- [9] A. Y. Rubina, G. U. Feizkhanova, M. A. Filippova, V. O. Talibov, M. Fooker-Achterrath, and A. S. Zasedatelev. “Multiplex assay of allergen-specific and total immunoglobulins of E and G classes in the biochip format”. In: *Dokl. Biochem. Biophys.* 447.1 (2012), p. 289.