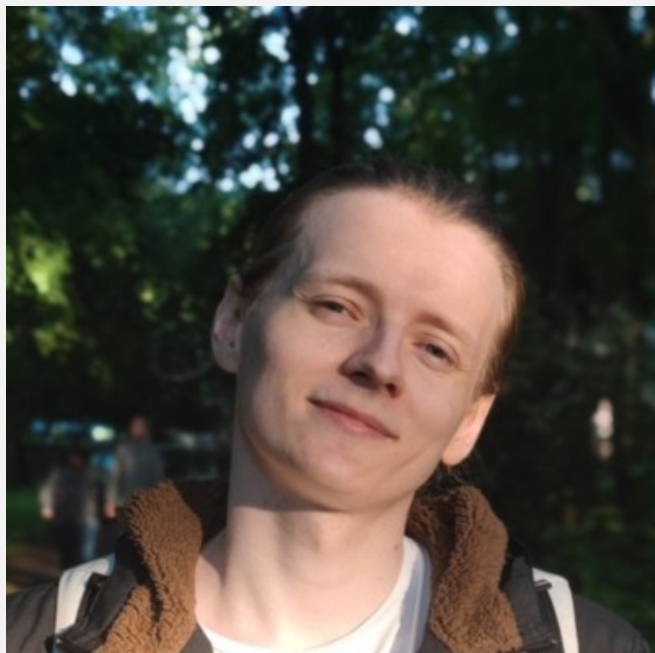


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Rodion Bykadorov is an enterprise architect and technical leader with more than 10 years of experience in data architecture, cloud platforms, large-scale analytics, and artificial intelligence. He currently works as a Lead Enterprise Architect at Cloud.ru, where he focuses on enterprise data management, cloud architecture, AI-enabled solutions, and governance for large-scale information systems.

His recent research focuses on machine-learning methods for ADMET prediction in computer-aided drug discovery. Within the ADMETox.AI project, he developed and evaluated a production-oriented prediction system across all 22 endpoints of the Therapeutics Data Commons ADMET Benchmark Group. The work combines molecular fingerprints, physicochemical descriptors, graph-neural-network embeddings, foundation models, gradient boosting, and out-of-fold ensemble calibration, with particular attention to reproducibility and data integrity.

Using the official scaffold-split evaluation protocol with five genuinely independent runs per endpoint, ADMETox.AI exceeded the correctly attributed state-of-the-art reference on 21 of 22 benchmark endpoints and matched it on the remaining endpoint. The study also identified benchmark issues related to pretraining-corpus overlap, dataset snapshot drift, and evaluation variance, and proposed a reproducible workflow for extending the system to new ADMET datasets.

Rodion graduated from the Southern Federal University, Faculty of High Technologies, with an Engineering degree in 2015. His professional background includes enterprise and data architecture projects for Cloud.ru, VTB Bank, S8 Capital / Stoloto, AVID Technology, Houghton Mifflin Harcourt, Schneider Electric, and other international and Russian organizations.

At BCADD-2026, he will present his work on the ADMETox.AI system and the methodological lessons learned from benchmarking machine-learning models across the complete TDC ADMET Benchmark Group.