

VIKTOR 2.0 – Progress of the Virtual International Knowledgebase for Thoracic Oncology Research of the IASLC



On behalf of the Basic and Translational Science (BaTS) Committee of the IASLC, the VIKTOR team:

F. Cerciello¹, L. Lane², F. Bianchi³, K. Samarasinghe², T. Giraldo⁴, D. Lissek⁴, T. John⁵, J. C. King⁴, C. Mascaux⁶, L. Roisman⁷, T. Sen⁸, M. P. Smeltzer⁹, M. S. Tsao¹⁰, M. W. Wynes⁴, J. Zhang¹¹

1. Department of Medical Oncology, Inselspital, Bern University Hospital, University of Bern, Switzerland; 2. SIB Swiss Institute of Bioinformatics, Switzerland; 3. Unit of Cancer Biomarkers, Fondazione IRCCS Casa Sollievo della Sofferenza, San Giovanni Rotondo, FG, Italy; 4. International Association for the Study of Lung Cancer (IASLC), Denver, CO, USA; 5. Department of Medical Oncology, Peter MacCallum, Cancer Centre, Melbourne, VIC, Australia; 6. Hopitaux Universitaires de Strasbourg, Strasbourg, France; 7. Cancer Research Institute, Samson Assuta Ashdod University Hospital, Ashdod, Israel; 8. The Ohio State University Wexner Medical Center, Columbus, OH, USA; 9. Division of Epidemiology, Biostatistics, and Environmental Health, School of Public Health, University of Memphis, Memphis, TN, USA; 10. Department of Pathology, Princess Margaret Cancer Centre, University Health Network, University of Toronto, Toronto, Ontario, Canada; 11. Department of Thoracic/Head and Neck Medical Oncology, Department of Genomic Medicine, the University of Texas, MD Anderson Cancer Center, Houston, TX, USA



**The scientist
in thoracic
oncology**

more coming ...

**The KBs of
VIKTOR**



**The V-Queries:
the knowledge of VIKTOR**

VIKTOR Smart Search

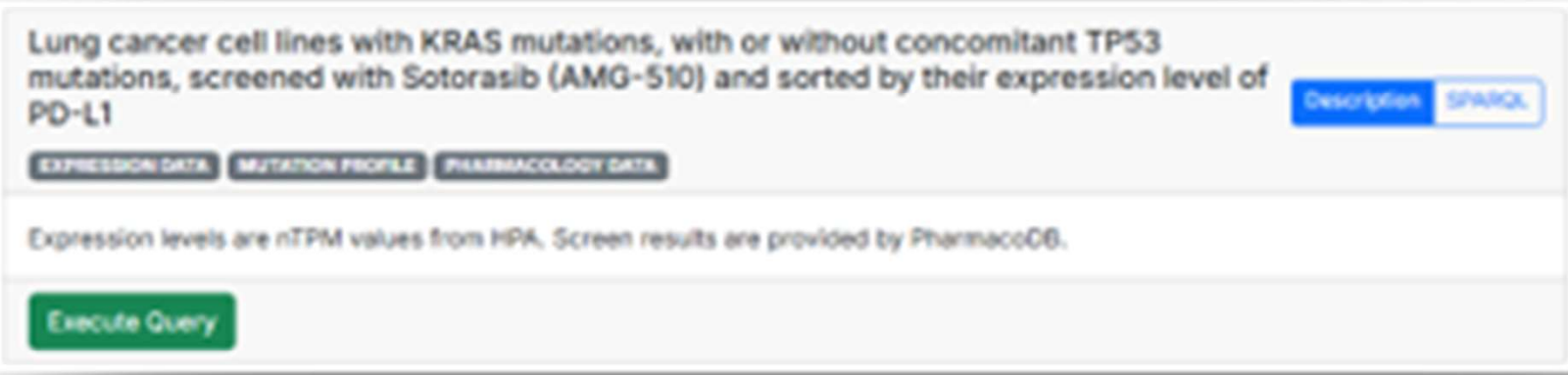
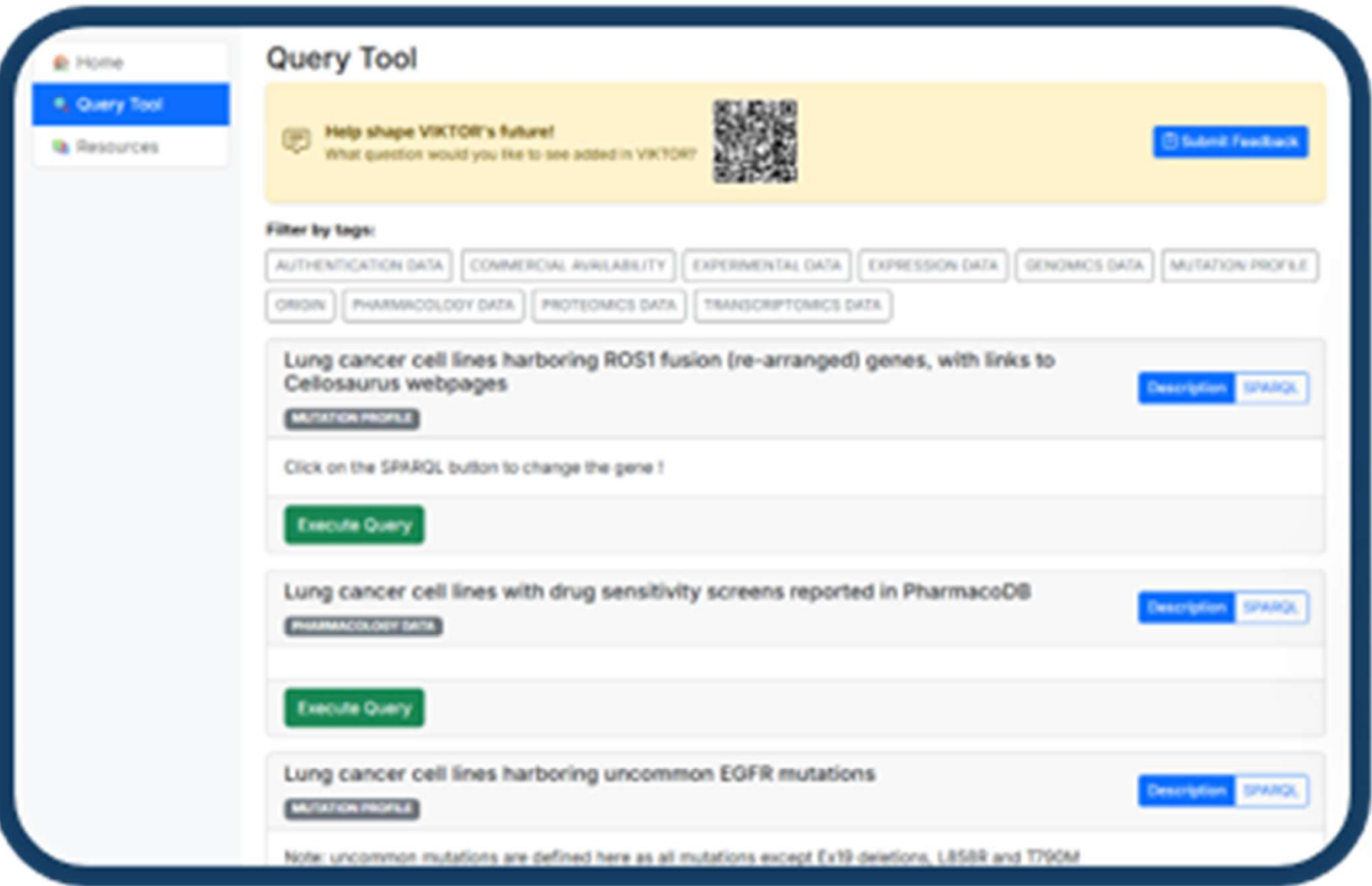
Ask in natural language — we find and run the right query for you.

Ask about lung cancer cell lines...



Enter to send · Shift+Enter for new line

**The models V-Lists:
the output of VIKTOR**



Lung cancer cell lines with mutations in EGFR			
72 results for "Lung cancer cell lines with mutations in EGFR"			
Lung cancer cell lines with mutations in EGFR			
Using: lung cancer, EGFR			
Filter rows...			
72 rows			
cellline	disease	mut	url
1-87	Lung adenocarcinoma	p.Leu858Arg	CVCL_D231
11-18	Lung adenocarcinoma	p.Leu858Arg	CVCL_6659
273T	Lung squamous cell carcinoma	p.Tyr727Cys	CVCL_X482
ABC-1	Lung adenocarcinoma	p.Leu858Arg	CVCL_3066
ABC-31	Lung adenocarcinoma	p.Leu858Arg	CVCL_A62T
B901L	Lung adenocarcinoma	p.Glu746_Ala750del	CVCL_U098
BID007	Lung adenocarcinoma	p.Ala763_Tyr764insPheGlnGluAla	CVCL_W890
BID019	Lung adenocarcinoma	p.Asn771_His772insHis	CVCL_E6DY
BMC-PDC-019	Transformed EGFR-positive lung adenocarcinoma to small cell carcinoma	p.Glu746_Ala750del	CVCL_D10F



The BaTS experts