

List of publications of Dr. V'yacheslav LEHEN'KYI

- **ORCID** : 0000-0003-0806-8766
- Factor **H** = **27**, Citations : **3046** (source : google scholar : <https://scholar.google.com/citations?user=8H90iY0AAAAJ&hl=fr>)
- Underlined are my PhD students and/or postdocs

51. Aurélien Haustrate, Clément Cordier, George Shapovalov, Benjamin Soret, Corentin Spriet, Lucile Noyer, Cyril Couturier, Alexandre Barras, Sabine Szuneritz, Natalia Prevarskaya, and **V'yacheslav Lehen'kyi**. TRPV6 calcium channel targeting using monoclonal antibody against pore induced prostate cancer cell death, tumor regression and metastasis suppression *in vivo*. *Submitted to J Clin Invest*, 2022.

50. Aurélien Haustrate, George Shapovalov, Corentin Spriet, Artem Kondratskyi, Lucile Noyer, Cyril Couturier, Alexandre Barras, Sabine Szuneritz, Natalia Prevarskaya, and **V'yacheslav Lehen'kyi**. TRPV6 calcium channel targeting by antibodies raised against extracellular epitopes induces prostate cancer cell apoptosis *in vitro*. *Submitted to Cancers (Basel)*, 2022.

49. Aurélien Haustrate, Adriana Mihalache, Clément Cordier, Pierre Gosset, Natalia Prevarskaya, **V'yacheslav Lehen'kyi**. A Novel Anti-TRPV6 Antibody and Its Application in Cancer Diagnosis In Vitro. *Int J Mol Sci.* **2022** Dec 27;24(1):419. doi: 10.3390/ijms24010419. PMID: 36613866; PMCID: PMC9820453.

48. **Patent EPO, numéro EP21306438.** Titre: "ANTIBODIES AGAINST EXTRACELLULAR EPITOPES OF HUMAN TRPV6 CHANNEL AND THEIR DIAGNOSTIC AND THERAPEUTIC USES" déposé par **Dr. V'yacheslav LEHEN'KYI**, Dr. Aurélien HAUSTRATE, and Prof. Natalia PREVARSKAYA le **14 Octobre 2021**. (Submission number 1000504057; Application number EP21306438.9; No. to be used for priority declarations EP21306438; Date of receipt 14 October 2021).

47. Bettaieb L, Brulé M, Chomy A, Diedro M, Fruit M, Happerneegg E, Heni L, Horochowska A, Housseini M, Klouyovo K, Laratte A, Leroy A, Lewandowski P, Louvieux J, Moitié A, Tellier R, Titah S, Vanauberg D, Woesteland F, Prevarskaya N, Lehen'kyi V. Calcium Signaling and Its Potential Targeting in Pancreatic Ductal Carcinoma. *Cancers (Basel)*. **2021** Jun 21;13(12):3085. doi: 10.3390/cancers13123085. PMID: 34205590; PMCID: PMC8235326. (projet avec mes étudiants en Master 1 à Université de Lille).

46. Cordier C, Prevarskaya N, Lehen'kyi V. TRPM7 Ion Channel: Oncogenic Roles and Therapeutic Potential in Breast Cancer. *Cancers (Basel)*. **2021** Dec 16;13(24):6322. doi: 10.3390/cancers13246322. PMID: 34944940; PMCID: PMC8699295.

45. Mesquita G, Prevarskaya N, Schwab A, Lehen'kyi V. Role of the TRP Channels in Pancreatic Ductal Adenocarcinoma Development and Progression. *Cells*. **2021** Apr 26;10(5):1021. doi: 10.3390/cells10051021. PMID: 33925979; PMCID: PMC8145744.

44. Aurélien Haustrate, Natalia Prevarskaya and V'yacheslav Lehen'kyi. Role of the TRPV Channels in the Endoplasmic Reticulum Calcium Homeostasis. *Cells* **2020**, 9(2), 317; 2020 Jan 28;9(2). doi: 10.3390/cells9020317.28 Jan 2020.

43. Aurélien Haustrate, Aline Hantute-Ghesquier, Natalia Prevarskaya and **V'yacheslav Lehen'kyi**. Monoclonal Antibodies Targeting Ion Channels and Their Therapeutic Potential. **Frontiers in Pharmacology**, 2019 published: 05 June 2019, doi: 10.3389/fphar.2019.00606.
42. Mohammadi, Fakhrossadat; Sahraei, Amin; Li, Chengnan; Haustrate, Aurélien; **Lehen'kyi, V'yacheslav** ; Barras, Alexandre; Boukherroub, Rabah; Szunerits, Sabine. Interaction of Human α -1-Acid Glycoprotein (AGP) with Citrate-Stabilized Gold Nanoparticles: Formation of Unexpectedly Strong Binding Events. **The Journal of Physical Chemistry**. 2019. 12, 38, 5073-5083.
41. Haustrate A, Hantute-Ghesquier A, Prevarskaya N, Lehen'kyi V. TRPV6 calcium channel regulation, downstream pathways, and therapeutic targeting in cancer. **Cell Calcium**. 2019 Jun;80:117-124. doi: 10.1016/j.ceca.2019.04.006. Epub 2019 Apr 22. Retraction in: Cell Calcium. 2020 Mar;86:102126. PMID: 31055179. (Papier rétracté à cause du conflit d'intérêts avec notre concurrent direct Mr. John Stewart, société « Soricimed », Canada).
40. Aline Hantute-Ghesquier, Aurélien Haustrate, Natalia Prevarskaya, and V'yacheslav Lehen'kyi. TRPM Family Channels in Cancer. **Pharmaceuticals** 2018, 11, 58; doi:10.3390/ph11020058.
39. Alexandre Barras, Nadia Skandrani, Mariano Gonzalez Pisfil, Solomiya Paryzhak, Tetiana Dumych, Aurélien Haustrate, Laurent Heliot, Tijani Gharbi, Hatem Boulahdour, **V'yacheslav Lehen'kyi**, Rostyslav Bilyy, Sabine Szunerits, Gabriel Bidaux, and Rabah Boukherroub. Improved Photodynamic Effect through Encapsulation of Two Photosensitizers in Lipid Nanocapsules. **J. Mater. Chem. B**, 2018, 6, 5949-5963.
38. Dubois C, **Lehenkyi V**, Prevarskaya N. CRAC Channel Components Quantitative Expression (In **Tissues and Cell Lines**) Using qPCR. *Methods Mol Biol*. 2018;1843:95-106. doi: 10.1007/978-1-4939-8704-7_8. PubMed PMID: 30203280.
37. Iamshanova O, Mariot P, **Lehen'kyi V**, Prevarskaya N. Comparison of fluorescence probes for intracellular sodium imaging in prostate cancer cell lines. **Eur Biophys J**. 2016 Oct;45(7):765-777. PubMed PMID: 27660079
36. Gordienko D, Povstyan O, Sukhanova K, Raphaël M, Harhun M, Dyskina Y, **Lehen'kyi V**, Jama A, Lu ZL, Skryma R, Prevarskaya N. Impaired P2X signalling pathways in renal microvascular myocytes in genetic hypertension. **Cardiovasc Res**. 2015 Feb 1;105(2):131-42. doi: 10.1093/cvr/cvu249. Epub 2014 Dec 16. PubMed PMID: 25514930.
35. Raphaël M*, **Lehen'kyi V*#**, Vandenbergh M*, Beck B, Khalimonchik S, Vanden Abeele F, Farsetti L, Germain E, Bokhobza A, Mihalache A, Gosset P, Romanin C, Clézardin P, Skryma R, Prevarskaya N#. TRPV6 calcium channel translocates to the plasma membrane via Orail-mediated mechanism and controls cancer cell survival. **Proc Natl Acad Sci U S A**. 2014 Aug 29. pii: 201413409.
34. Dubois C*, Vanden Abeele F*, **Lehen'kyi V**, Gkika D, Guarmit B, Lepage G, Slomianny C, Borowiec AS, Bidaux G, Benahmed M, Shuba Y, Prevarskaya N. Remodeling of channel-forming ORAI proteins determines an oncogenic switch in prostate cancer. **Cancer Cell**. 2014 Jul 14;26(1):19-32. doi: 10.1016/j.ccr.2014.04.025.
33. Kondratskyi A, Yassine M, Slomianny C, Kondratska K, Gordienko D, Dewailly E, **Lehen'kyi V**, Skryma R, Prevarskaya N. Identification of ML-9 as a lysosomotropic agent targeting autophagy and cell death. **Cell Death Dis**. 2014 Apr 24;5:e1193. doi: 10.1038/cddis.2014.156. PubMed PMID: 24763050.

32. Vandenbergh M*, Raphaël M*, **Lehen'kyi V***, Gordienko D, Hastie R, Oddos T, Rao A, Hogan PG, Skryma R, Prevarskaya N. ORA11 calcium channel orchestrates skin homeostasis. **Proc Natl Acad Sci U S A.** **2013**, Dec 10;110(50):E4839-48.
31. Oulidi A, Bokhobza A, Gkika D, Vanden Abeele F, **Lehen'kyi V**, Ouafik L, Mauroy B, Prevarskaya N. TRPV2 Mediates Adrenomedullin Stimulation of Prostate and Urothelial Cancer Cell Adhesion, Migration and Invasion. **PLoS One.** **2013** May 31;8(5):e64885.
30. **Lehen'kyi V**, Khalimonchyk S, Pourtier A, Raphaël M, Prevarskaya N. Tumor Xenograft Models to Study the Role of TRP Channels in Tumorigenesis. Arpad Szallasi and Tamás Bíró (eds.), TRP Channels in Drug Discovery: Volume II, **Methods in Pharmacology and Toxicology**, **2012**, pp 391-399.
29. **Lehen'kyi V***, Vanoverbergh K*, Thébault S*, Raphaël M*, Vanden Abeele F, Slomianny C, Mariot P, Prevarskaya N. Cytoskeleton Reorganization as an Alternative Mechanism of Store-Operated Calcium Entry Control in Neuroendocrine-Differentiated Cells. **PLoS One.** **2012**;7(9):e45615.
28. **Lehen'kyi V**, Prevarskaya N. TRPV2 (transient receptor potential cation channel, subfamily V, member 2). **Atlas Genet Cytogenet Oncol Haematol.** March **2012**. URL : <http://AtlasGeneticsOncology.org/Genes/TRPV2ID45817ch17p11.html>
27. **Lehen'kyi V**, Raphaël M, Prevarskaya N. The role of the TRPV6 channel in cancer. **J Physiol.** 2012 Mar 15;590(Pt 6):1369-76. Epub **2012** Feb 13. PubMed PMID: 22331416.
26. **Lehen'kyi V**, Prevarskaya N. Study of TRP Channels in Cancer Cells. In: Zhu MX, Editor. **TRP Channels**. Boca Raton (FL): CRC Press; **2011**. Chapter 17. PubMed PMID: 22593971.
25. **Lehen'kyi V** & Prevarskaya N. TRP-channels and Human Prostate Carcinogenesis. Chapter 7 in **Prostate Cancer - From Bench to Bedside**. Published by INTECH (ISBN 978-953-307-331-6). P. 133-142.
24. **Lehen'kyi V**, Shapovalov G, Skryma R, Prevarskaya N. Ion channels and transporters in cancer. V. Ion channels in control of cancer and cell apoptosis. **Am J Physiol Cell Physiol.** **2011** Dec;301(6):C1281-9. doi:10.1152/ajpcell.00249.2011. Epub 2011 Sep 21. Review. PubMed PMID: 21940667.
23. **Lehen'kyi V**, Shapovalov G, Skryma R, Prevarskaya N. Ion Channels in Control of Cancer and Cell Apoptosis. **Am J Physiol Cell Physiol.** **2011** Sep 21.
22. Shapovalov G, **Lehen'kyi V**, Skryma R, Prevarskaya N. TRP channels in cell survival and cell death in normal and transformed cells. **Cell Calcium.** **2011** May 29.
21. **Lehen'kyi V***, Raphaël M*, Oulidi A*, Flourakis M, Khalimonchyk S, Kondratskyi A, Gordienko DV, Mauroy B, Bonnal JL, Skryma R, Prevarskaya N. TRPV6 Determines the Effect of Vitamin D3 on Prostate Cancer Cell Growth. **PLoS One.** **2011** Feb 11;6(2):e16856.
20. **Lehen'kyi V**, Prevarskaya N. Oncogenic TRP Channels. **Adv Exp Med Biol.** **2011**; 704:929-45.
19. **Lehen'kyi V***, Vandenbergh M*, Belaubre F, Julié S, Castex-Rizzi N, Skryma R, Prevarskaya N. Acceleration of keratinocyte differentiation by transient receptor potential vanilloid (TRPV6) channel activation. **J Eur Acad Dermatol Venereol.** **2011** Feb;25 Suppl 1:12-8.
18. **Lehen'kyi V***, M Flourakis*, B Beck, M Raphaël, M Vandenbergh, FV Abeele, M Roudbaraki, G Lepage, B Mauroy, C Romanin, Y Shuba, R Skryma and N Prevarskaya. Orail

contributes to the establishment of an apoptosis-resistant phenotype in prostate cancer cells. **Cell Death and Disease** **2010** Sep 16;1(9):e75.

17. **Lehen'kyi V***, Monet M*, Gackiere F, Firlej V, Vandenberghe M, Roudbaraki M, Gkika D, Pourtier A, Bidaux G, Slomianny C, Delcourt P, Rassendren F, Bergerat JP, Ceraline J, Cabon F, Humez S, Prevarskaya N. Role of cationic channel TRPV2 in promoting prostate cancer migration and progression to androgen resistance. **Cancer Res.** **2010** Feb 1;70(3):1225-35. Epub 2010 Jan 26.

16. El Hiani Y, Ahidouch A, **Lehen'kyi V**, Hague F, Gouilleux F, Mentaverri R, Kamel S, Lassoued K, Brûlé G, Ouadid-Ahidouch H. Extracellular signal-regulated kinases 1 and 2 and TRPC1 channels are required for calcium-sensing receptor-stimulated MCF-7 breast cancer cell proliferation. **Cell Physiol Biochem** **2009**;23(4-6):335-46.

15. El Hiani Y, **Lehen'kyi V**, Ouadid-Ahidouch H, Ahidouch A. Activation of the calcium-sensing receptor by high calcium induced breast cancer cell proliferation and TRPC1 cation channel over-expression potentially through EGFR pathways. **Arch Biochem Biophys.** **2009** Jun 1;486(1):58-63.

14. Monet M, Gkika D, **Lehen'kyi V**, Pourtier A, Vanden Abeele F, Bidaux G, Juvin V, Rassendren F, Humez S, Prevarskaya N. Lysophospholipids stimulate prostate cancer cell migration via TRPV2 channel activation. **Biochim Biophys Acta.** **2009** Mar;1793(3):528-39.

13. **Lehen'kyi V***, Beck B*, Roudbaraki M, Flourakis M, Charveron M, Bordat P, Polakowska R, Prevarskaya N, Skryma R. TRPC channels determine human keratinocyte differentiation: New insight into basal cell carcinoma. **Cell Calcium** **2008** May;43(5):492-505.

12. **Lehen'kyi V**, Beck B, Polakowska R, Charveron M, Bordat P, Skryma R, Prevarskaya N. TRPV6 is a Ca²⁺ entry channel essential for Ca²⁺-induced differentiation of human keratinocytes. **J Biol Chem** **2007** Aug 3;282(31):22582-91.

11. **Lehen'kyi V**, Flourakis M, Skryma R, Prevarskaya N. TRPV6 channel controls prostate cancer cell proliferation via Ca(2+)/NFAT-dependent pathways. **Oncogene** **2007** Nov 15;26(52):7380-5.

10. Beck B, Zholos A, Sydorenko V, Roudbaraki M, **Lehen'kyi V**, Bordat P, Prevarskaya N, Skryma R. TRPC7 is a receptor-operated DAG-activated channel in human keratinocytes. **J Invest Dermatol** **2006** Sep;126(9):1982-93.

9. Flourakis M, Van Coppenolle F, **Lehen'kyi V**, Beck B, Skryma R, Prevarskaya N. Passive calcium leak via translocon is a first step for iPLA2-pathway regulated store operated channels activation. **FASEB J** **2006** Jun;20(8):1215-7.

8. Thebault S, Flourakis M, Vanoverbergh K, Vandermoere F, Roudbaraki M, **Lehen'kyi V**, Slomianny C, Beck B, Mariot P, Bonnal JL, Mauroy B, Shuba Y, Capiod T, Skryma R, Prevarskaya N. Differential role of transient receptor potential channels in Ca²⁺ entry and proliferation of prostate cancer epithelial cells. **Cancer Res** **2006** Feb 15;66(4):2038-47.

7. **Lehen'kyi V**, Zelensky SN, Stefanov AV. Ca²⁺-sensitivity and cGMP-independent effects of NO in vascular smooth muscle. **Nitric Oxide** **2005** Mar;12(2):105-13. Erratum in: Nitric Oxide. 2005 Sep;13(2):152-3.

6. Soloviev A, **Lehen'kyi V**, Zelensky S, Hellstrand P. Nitric oxide relaxes rat tail artery smooth muscle by cyclic GMP-independent decrease in calcium sensitivity of myofilaments. **Cell Calcium** **2004** Aug;36(2):165-73.

5. **Lehen'kyi VV**, Zelensky SN, Stefanov AV, Soloviev AI. Effects of nitric oxide donors on vascular smooth muscles depend on a type of vascular smooth-muscle preactivation. **Cardiovasc Toxicol** **2002**;2(2):151-60.

4. Soloviev AI, **Lehen'kyi VV**, Zelens'kyi SM, Moibenko OO, Stefanov OV. [cGMP-independent effect of nitric oxide on contractility and intracellular calcium level of rat tail artery vascular smooth muscles] **Fiziol Zh** **2001**;47(3):19-25.

3. Soloviev A., **Lehen'kyi V**, Zelensky S., Stefanov O. Nitroglycerine effect on contractile activity and intracellular calcium level of rat tail artery vascular smooth muscles under the different conditions of pre-activation // **Medical Chemistry**. - **2001**. - V. 3. - №3. - P. 10-13.

2. Soloviev A., **Lehen'kyi V**, Zelensky S., Stefanov O. Method for investigation of contractile activity and intracellular calcium level of vascular smooth muscles in study of calcium sensitivity and screening of cardiovascular drugs // **Acta Medica Leopoliensia**. - **2001**. - №1. - P. 29-34.

1. Soloviev A., **Lehen'kyi V**, Zelensky S., Stefanov O. Effect of nitric oxide and its donors on contractile activity and intracellular calcium level of rat vascular smooth muscles // **Medical Chemistry**. - **2000**. - V. 2. - №4. - P. 9-12.

- *Actes publiés de conférences internationales, congrès et colloques*

51. Gonçalo Mesquita, Aurélien Haustrate, Benjamin Soret, Albrecht Schwab, **V'yacheslav Lehen'kyi**. Role of the calcium channel TRPV6 in the development and progression of pancreatic cancer. Poster pour le **ChemBion Symposium**, le 8 Février **2022**.

50. Aurélien Haustrate, Aline Ghesquier, Cyril Couturier, Louise Prouvost, Natalia Prevarskaya, **V'yacheslav Lehen'kyi**. Role of TRPV6 calcium channel in cancer cell lines migration and invasion of prostate cancer cells. Colloque du LabEx « Ion Channels Science and Therapeutics » qui s'est tenu à Nantes les 17, 18 et 19 novembre **2021**.

49. Aline Hantute-Ghesquier, Aurélien Haustrate, Corentin Spriet, Natalia Prevarskaya, **V'yacheslav Lehen'kyi**. Involvement of TRPV6 channel in invasive phenotype of cancer cell lines. Poster pour la journée de l'ARTP de 18 Novembre **2019**, Paris, p. 15.

48. **Lehen'kyi V**. Invited oral presentation: TRP CHANNELS AND SKIN HOMEOSTASIS, at 30th Ion Channel Meeting, September 8th to 11th, **2019**, Sète, France.

47. Aline Ghesquier; Aurélien Haustrate; Corentin Spriet; Natalia Prevarskaya, **V'yacheslav Lehen'kyi**. INVOLVEMENT OF TRPV6 CHANNEL IN INVASIVE PHENOTYPE OF CANCER CELL LINES. Poster pour la journée de l'ARTP de 20 Novembre **2019**, Paris.

46. Aline Ghesquier; Aurélien Haustrate; Corentin Spriet; Natalia Prevarskaya, **V'yacheslav Lehen'kyi**. ROLE OF TRPV6 CHANNEL IN MIGRATION AND INVASION OF CANCER CELL LINES. Poster at 30th Ion Channel Meeting, September 8th to 11th, **2019**, Sète, France, p.38.

45. Hantute-Ghesquier A, Haustrate A, Spriet C, Prevarskaya N, **Lehen'kyi V**. TRPV6 CHANNEL CONTRIBUTES TO THE CANCER CELL LINES MIGRATION POTENTIAL. Poster pour la « 1ère journée de recherche : Signalisations Oncogéniques et canaux ioniques du Cancéropôle Nord-Oest » de 27 Novembre **2018**, Logis du Roy, Amiens, poster 2.

44. Haustrate A, Hantute-Ghesquier A, Couturier C, Prouvost L, Prevarskaya N, **Lehen'kyi V**. TRPV6^{-/-} CELL LINES SHOW THE PHENOMENON OF COMPENSATION WHILE OVEREXPRESSION THE TRPV5. Poster pour la « 1ère journée de recherche : Signalisations Oncogéniques et canaux ioniques du Cancéropôle Nord-Oest » de 27 Novembre **2018**, Logis du Roy, Amiens, poster 5.
43. Haustrate A, Hantute-Ghesquier A, Prouvost L, Couturier C, Prevarskaya N, **Lehen'kyi V**. TRPV6^{-/-} CELL LINES SHOW THE OVEREXPRESSION OF THE TRPV6'S CLOSE ANALOGUE TRPV5. Poster pour la journée de l'ARTP de 15 Novembre **2018**, Paris, p. 16.
42. Aline Hantute-Ghesquier, Aurélien Haustrate, Corentin Spriet, Natalia Prevarskaya, **V'yacheslav Lehen'kyi**. ROLE OF TRPV6 CHANNEL IN CANCER CELL LINES MIGRATION. Poster pour la journée de l'ARTP de 15 Novembre **2018**, Paris, p. 15.
41. Haustrate A, Hantute-Ghesquier A, Prouvost L, Couturier C, Prevarskaya N, **Lehen'kyi V**. GENERATION AND VALIDATION OF TRPV6^{-/-} CELL LINES. 29th Ion Channel Meeting, 7th SFICT Workshop, September 9th to 12th, **2018**, Sète, France, p.62.
40. **Lehen'kyi V**. Invited oral presentation: TRPV6 AS A PROSPECTIVE THERAPEUTIC TARGET IN THE TREATMENT OF PROSTATE CANCER. LabEx ICST Meeting, LILLIAD Learning Center Innovation, November 29th – December 1st, **2017**, Lille.
39. Haustrate A, Raphaël M, Vandenberghe M, Beck B, Khalimonchik S, Vanden Abeele F, Farsetti L, Germain E, Bokhobza A, Mihalache A, Gosset P, Romanin C, Clézardin P, Skryma R, Prevarskaya N, **Lehen'kyi V**. TRPV6 CALCIUM CHANNEL TRANSLOCATION REGULATES PROSTATE CANCER CELL SURVIVAL. Poster at LabEx ICST Meeting, LILLIAD Learning Center Innovation, November 29th – December 1st, **2017**, Lille.
38. Haustrate A, Raphaël M, Vandenberghe M, Beck B, Khalimonchik S, Vanden Abeele F, Farsetti L, Germain E, Bokhobza A, Mihalache A, Gosset P, Romanin C, Clézardin P, Skryma R, Prevarskaya N, **Lehen'kyi V**. TRPV6 CALCIUM CHANNEL TRANSLOCATION REGULATES PROSTATE CANCER CELL SURVIVAL. Poster pour la journée de l'ARTP de 15 Novembre **2017**, Paris.
37. **Lehen'kyi V**. Invited oral presentation: TRPV6 DETERMINES THE EFFECT OF VITAMIN D3 ON PROSTATE CANCER CELL GROWTH. 42nd Symposium on Hormones and Cell Regulation: "Ion Channels in Hormonal Homeostasis: Transient Receptor Potential Channels and Calcium Signalling", Mont Sainte Odile, October 4-7, **2017**.
36. **Lehen'kyi V**, Haustrate A, Raphaël M, Kondratskyi A, Oulidi A, Flourakis M, Khalimonchik S, Gordienko D, Prevarskaya N. TRPV6 DETERMINES THE EFFECT OF VITAMIN D3 ON PROSTATE CANCER CELL GROWTH. 42nd Symposium on Hormones and Cell Regulation: "Ion Channels in Hormonal Homeostasis: Transient Receptor Potential Channels and Calcium Signalling", Mont Sainte Odile, October 4-7, **2017**, p. 62.
35. Haustrate A, Raphaël M, Vandenberghe M, Beck B, Khalimonchik S, Vanden Abeele F, Farsetti L, Germain E, Bokhobza A, Mihalache A, Gosset P, Romanin C, Clézardin P, Skryma R, Prevarskaya N, **Lehen'kyi V**. TRPV6 calcium channel trafficking to the plasma membrane is crucial for prostate cancer cell survival. 42nd Symposium on Hormones and Cell Regulation: "Ion Channels in Hormonal Homeostasis: Transient Receptor Potential Channels and Calcium Signalling", Mont Sainte Odile, October 4-7, **2017**, p. 58.
34. Iamshanova O, **Lehen'kyi V**, Bokhobza A, Allart L, Mariot P, Farfariello V, Prevarskaya N. November 30th – December 2nd, **2015**, ICST Labex Meeting, Genopolys, Montpellier, France.

33. Iamshanova O, **Lehen'kyi V**, Bokhobza A, Allart L, Mariot P, Farfariello V, Djamgoz M, Monteil A, Prevarskaya N. Sodium leak channel non-selective, NALCN, and its potential role in prostate cancer. International meeting on ion channels, transporters & cancer, INCA. 9th & 10th September **2015**, Imperial College London, London, UK.
32. **Lehen'kyi V**. Orai1 calcium channel orchestrates skin homeostasis. Invited speaker at the Colloque of the LabEx ICST, Grenoble Institut des Neurosciences, Institut de Biologie Structurale, November 25, 26, and 27, **2013**.
31. Raphaël M, **Lehen'kyi V**, Vandenberghé M, Khalimochyk S, Beck B, Michalache A, Gosset P, Clézardin P, Skryma R and Prevarskaya N. TRPV6 translocation determines its oncogenicity in prostate cancer. ARTP (Association de Recherche sur les Tumeurs de la Prostate) Meeting, Paris, 20 Novembre, **2013**, published in Bulletin de l'ARTP, p 13.
30. Raphaël M, **Lehen'kyi V**, Vandenberghé M, Gordienko D, Oddos T, Skryma R & Prevarskaya N. Orai1 calcium channel is involved in skin aging and homeostasis. 24th Annual Ion Channel Meeting, Île d'Oléron, France, 15-18 Septembre **2013**, p.69.
29. Raphaël M, Vandenberghé M, **Lehen'kyi V**, Gordienko D, Hastie R, Oddos T, Rao A, Hogan P, Skryma R & Prevarskaya N. Orai1 calcium channel orchestrates skin homeostasis via calcium-dependent regulation of focal adhesion kinase and directional migration. 2013 International Investigative Dermatology Meeting, May 8-11, 2013, Edinburgh International Conference Centre, Edinburgh, Scotland. Published in Journal of Investigative Dermatology (**2013**), Volume 133, Issue S1, p S123.
28. Vandenberghé M, **Lehen'kyi V**, D Gordienko, M Raphaël, R Skryma, T Oddos and N Prevarskaya. The calcium channel Orai1 is required for the development of human epidermis. SID 72nd Annual Meeting, May 9-12, 2012, Raleigh Convention Center, Raleigh, North Carolina, Published in Journal of Investigative Dermatology (**2012**), Volume 132, Issue S1, p S55.
27. Gordienko DV, Povstyan O, Sukhanova K, Jama A, Lu Z, **Lehen'kyi V**, Raphaël M, Prevarskaya N. Augmented sarcoplasmic reticulum Ca²⁺ leak attenuates P2X-mediated [Ca²⁺]_i transients in renal microvascular myocytes in primary hypertension. **2012**. Proc Physiol Soc (Edinburgh) 27, PC361.
26. **Lehen'kyi V**, Raphael M, Beck B, Flourakis M, Gordienko D, Skryma R, Prevarskaya N. Oncogenic Potential of TRPV6 Channel in Prostate Cancer. Biophysical Journal. **2012**, Volume 102, Issue 3, Supplement 1, 31 January 2012, Pages 343a.
25. Gordienko DV, Povstyan O, Harhun M, **Lehen'kyi V**, Raphael M & Prevarskaya N. Mechanisms of attenuation of P2X-mediated [Ca²⁺]_i transients in renal microvascular myocytes in primary hypertension. **2011**. Proc Physiol Soc 25: PC22.
24. Vandenberghé M, **Lehen'kyi V**, Gordienko D, Raphaël M, Skryma R et Prevarskaya N. Orai1 and STIM1 are involved in human epidermis homeostasis. «New Frontiers» Symposium, Nijmegen Centre for Molecular Life Sciences, November 14-15, **2011**, Nijmegen, Netherlands.
23. Vandenberghé M, **Lehen'kyi V**, Raphaël M, Gordienko D, Skryma R, et Prevarskaya N. Implication of TRP channels in skin development. 22^{ème} Congrès Mondial de Dermatologie, Seoul, Korea, Mai 24-29, **2011**.
22. **Lehen'kyi V** & Prevarskaya N. Ion channels in prostate cancer. Invitation to oral to “Androgens 2010” international meeting held in Leuven, Belgium, 25-26 November **2010**.
21. Vandenberghé M, **Lehen'kyi V**, Raphaël M, Gordienko D, Skryma R, et Prevarskaya N. Orai1 and Stim1 are involved in keratinocytes differentiation. 21^{ème} colloque Canaux Ioniques, presqu'île de Giens, France, 12-15 Septembre **2010**.

20. Vandenbergh M, **Lehen'kyi V**, Beck B, Flourakis M, Romanin C, Skryma R. et Prevarskaya N. ER store depletion-independent activation of TRPV6 and its implication in SOCE. 20ème colloque Canaux Ioniques, presqu'île de Giens, France, 20-23 Septembre **2009**.
19. Monet M., **Lehen'kyi V.**, Gkika D., Pourtier A., Roudbaraki M , Bidaux G., Rassendren F., Humez S., Prevarskaya N. Parrainage: Boulay G. Implication du canal calcique TRPV2 dans l'androgéno-indépendance du cancer prostatique humain. 50ème réunion annuelle du CRCQ 2-4 Octobre **2008**.**18. Lehen'kyi V**, Beck B, Polakowska R, Skryma R, Prevarskaya N. TRPV6 is a Ca²⁺ entry channel essential for Ca²⁺-induced differentiation of human keratinocytes. 19th Ion Channel Meeting held in Presqu'île de Giens, France, September 21-24, **2008**.
17. Flourakis M, Beck B, **Lehen'kyi V**, Roudbaraki M, Skryma R, Prevarskaya N. Orai1 downregulation: a missing link in understanding the prostate cancer apoptosis resistance. 10th Symposium on Calcium-Binding Proteins in Normal and Transformed Cells. Katholieke Universiteit Leuven (K.U. Leuven), Leuven, Belgium, September 17-20, **2008**.
16. N. Prevarskaya, M. Flourakis, G. Bidaux, **V. Lehen'kyi**, R. Skryma. Role of calcium signalling in prostate cancer. 2nd International Congress on Cell Membranes and Oxidative Stress: Focus on Calcium Signalling and TRP Channels. Suleyman Demirel University, Medical Faculty, Department of Biophysics, Isparta, Turkey, 25-29, June **2008**.
15. Derler I, R. Schindl, H. Kahr, M. Muik, R. Fritsch, **Lehen'kyi V**, N. Prevarskaya, M. Hediger, K. Groschner, C. Romanin. Molecular components contributing to store-operated current (SOC) in prostate cancer cell line LNCaP. International conference on TRP-channels. 17-19 May, Homburg, Germany **2007**.
14. Monet M, Humez S, Bidaux G, **Lehen'kyi V**, Rassendren F, Prevarskaya N. Implication of TRPV2 calcium channel in neuroendocrine differentiation in human prostate cancer. 17ème Ion Channel Meeting. Presqu'île de Giens, France, 17-20 Septembre **2006**.
13. Beck B, **Lehen'kyi V**, Polakowska R, Charveron M, Bordat P, Skryma R, Prevarskaya N. Involvement of TRPC channels in human keratinocyte Store Operated Calcium Entry. 16ème Colloque des Canaux Ioniques, Presqu'île de Giens, France, 2-5 Octobre **2005**.
12. Morel E, Metrich M, **Lehen'kyi V**, Marcantoni A, Gastineau M, Vandecasteele G, Lezoualc'h F. Cyclic AMP-dependent effect of the small GTPase Rac in cardiac myocyte. Published in Circulation Research 97 (2): E25-E26 093 July 22, **2005**.
11. **Lehen'kyi V**. Nitric oxide and calcium sensitivity of vascular smooth muscles. The Sixth Ukrainian Conference of Young Scientists Dedicated to the Memory of Academician V. V. Frol'kis. - Kyiv. – 28 January **2005**. –P. 82.
10. **Lehen'kyi V**, Zelensky S. cGMP-independent, but thiol-dependent effects of glyceryl trinitrate on contractile activity and intracellular calcium level of rat tail artery smooth muscles. The Fifth Ukrainian Conference of Young Scientists Dedicated to the Memory of Academician V. V. Frol'kis. - Kyiv. – 17 January **2004**. –P. 67.
9. Zelensky S., **Lehen'kyi V**, Soloviev A., Stefanov O. Investigation of contractile activity of rat tail artery smooth muscles and intracellular calcium level influenced by NO and it's donors // Abstract of Presentation at a Research Conference “New Technology for Design and Application of Biological Active Substances“, Alushta, Krimea, Ukraine, 20-25 of May, **2002**.

8. **Lehen'kyi V**, Zelensky S., Soloviev A. Changes in Ca^{2+} -sensitivity of rat tail artery vascular smooth muscles under the glyceryl trinitrate action // The Second National Congress of Pharmacologists of Ukraine, 1-7 of October, **2001**, Dnepropetrovs'k, Ukraine, P. 149-150.
7. Zelensky S., **Lehen'kyi V**, Soloviev A. Experimental device for investigation of $[Ca^{2+}]_i$ -sensitivity of contractile proteins in smooth muscle cells — solution of a problem of true cardio- and vasotonics design and development // The Second National Congress of Pharmacologists of Ukraine, 1-7 of October, **2001**, Dnepropetrovs'k, Ukraine, P. 94.
6. Soloviev A, **Lehen'kyi V**, S. Zelensky, O. Stefanov. The effect of nitric oxide donors, sodium nitroprusside and glyceryl trinitrate on contractility and intracellular calcium level of rat tail artery vascular smooth muscles depending on different types of precontraction // The Second European Meeting on Vascular Biology and Medicine, 29 September - 1 October, **2001**, Ulm, Germany, P. 38.
5. **Lehen'kyi V**, Zelensky S., Stefanov O., Soloviev A. The effect of nitric oxide on contractile activity and intracellular calcium level of rat tail artery smooth muscles // (Article), International Conference dedicated to nitric oxide problems, 7 of September, **2001**, Minsk, Belarus, P. 87-89.
4. Soloviev A., **Lehen'kyi V**, Zelensky S., Stefanov O., and P. Hellstrand. Nitric oxide induces vascular relaxation via a cGMP-independent mechanism related to decrease in myofilament calcium sensitivity // Abstract at 8th International Symposium on Mechanisms of Vasodilation, May 31 - June 3, **2001**, Boston, USA. (In Journal of Vascular Research, P. 23.)
3. **Lehen'kyi V**, Zelensky S., Soloviev A., Stefanov O. The effect of glyceryl trinitrate on contractile activity and intracellular calcium level of arterial smooth muscles pre-activated with α_1 -adrenergist, phenylephrine // The Second Conference of Ukrainian Society for Neuroscience with International Participation Dedicated to 70 Anniversary of the Department of Physiology, Donetsk State Medical University Called After M. Gorky. - Donetsk. - **2001**. - P. 180.
2. **Lehen'kyi V**, Zelensky S. The simultaneous investigation of contractile activity and intracellular calcium level of rat tail artery vascular smooth muscles under sodium nitroprusside action // The Second Ukrainian Conference of Young Scientists Dedicated to the Memory of Academician V. V. Frol'kis. - Kyiv. - **2001**. - P. 70.
1. **Lehen'kyi V**, Zelensky S. cGMP-independent mechanism of vascular smooth muscles relaxation under nitric oxide action // Young Scientists Conference "Actual Problems of Pharmacology and Toxicology". - Kyiv. - (Printed in "Drugs", V. 4, **2000** - P. 26).