

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

- **ORCID** : 0000-0003-0806-8766
- Factor **H** = **29**, Citations : **3402** (source : google scholar : <https://scholar.google.com/citations?user=8H90iY0AAAAJ&hl=fr>)
- Underlined are my PhD students and/or postdocs

53. Mesquita G, Haustrate A, Mihalache A, Soret B, Cordier C, Desruelles E, Duval E, Pethö Z, Prevarskaya N, Schwab A, **Lehen'kyi V**. TRPV6 Channel Is Involved in Pancreatic Ductal Adenocarcinoma Aggressiveness and Resistance to Chemotherapeutics. **Cancers** (Basel). **2023** Dec 8;15(24):5769. doi:10.3390/cancers15245769. PMID: 38136316; PMCID: PMC10741494.

52. Cordier C, Haustrate A, Prevarskaya N, Lehen'kyi V. Characterization of the TRPV6 calcium channel-specific phenotype by RNA-seq in castration-resistant human prostate cancer cells. **Front Genet.** **2023** Jul 27;14:1215645. doi: 10.3389/fgene.2023.1215645. PMID: 37576552; PMCID: PMC10415680.

51. Folcher A, Gordienko D, Iamshanova O, Bokhobza A, Shapovalov G, Kannancheri-Puthooru D, Mariot P, Allart L, Desruelles E, Spriet C, Diez R, Oullier T, Marionneau-Lambot S, Brisson L, Geraci S, Impheng H, **Lehen'kyi V**, Haustrate A, Mihalache A, Gosset P, Chadet S, Retif S, Laube M, Sobilo J, Lerondel S, Villari G, Serini G, Pla AF, Roger S, Fromont-Hankard G, Djamgoz M, Clezardin P, Monteil A, Prevarskaya N. NALCN-mediated sodium influx confers metastatic prostate cancer cell invasiveness. **EMBO J.** 2023 Jul 3;42(13):e112198. doi: 10.15252/emboj.2022112198. Epub **2023** Jun 6. PMID: 37278161; PMCID: PMC10308360.

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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).

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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.
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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. (paper retracted because of the conflict of interest with our main rival Mr. John Stewart, « Soricimed » company, Canada).
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mechanism and controls cancer cell survival. **Proc Natl Acad Sci U S A.** **2014** Aug 29. pii: 201413409.

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

64. Haustrate A, Shapovalov G, Cordier C, Spriet C, Prevarskaya N, **Lehen'kyi V**. TRPV6 targeting by monoclonal antibody induces apoptosis *in vitro* and tumor regression *in vivo*. Poster pour ICCM2022 Lille, du 6 au 8 Décembre **2023**.
63. Cordier C, Haustrate A, **Lehen'kyi V** : Aspect Oncologique : Xenogreffes chez la souris swiss nude. Colloque PLBS le 18 avril **2023**.
62. Benjamin Soret, Zoltan Pethő, **V'yacheslav Lehen'kyi**, Albrecht Schwab. Blocking the Ca²⁺-activated K⁺ channel KCa3.1 in pancreatic ductal adenocarcinoma. Poster pour ICCM2022 Lille, du 6 au 8 Décembre **2022**.
61. Benjamin Soret, Zoltan Pethő, **V'yacheslav Lehen'kyi**, Albrecht Schwab. Targeting the calcium-activated K⁺ channel KCa3.1 in pancreatic ductal adenocarcinoma. Présentation oral pour 3rd Chembion Retreat, du 23 au 24 Novembre **2022**.

60. Mesquita G, Haustrate A, Soret B, Schwab A, Lehen'kyi V; The Protective Role of the Ca²⁺ Channel TRPV6 in PDAC; Présentation orale pour le 3rd Chembion Retreat, Novembre 2022, Bramsche, Allemagne.
59. Mesquita G, Haustrate A, Soret B, Schwab A, Lehen'kyi V. THE PROTECTIVE ROLE OF THE Ca²⁺ CHANNEL TRPV6 IN PDAC ; Poster pour le 31ème Colloque Association Canaux Ioniques. Septembre 2022, Sète, France.
58. Benjamin Soret, Zoltan Pethő, V'yacheslav Lehen'kyi, Albrecht Schwab. Role of the Ca²⁺-activated K⁺ channel KCa3.1 in the progression of pancreatic ductal adenocarcinoma. Poster pour Europhysiology 2022, du 16 au 18 Septembre 2022.
57. Mesquita G, Haustrate A, Soret B, Schwab A, Lehen'kyi V. The Ca²⁺ channel TRPV6 modulates pancreatic cancer cell aggressiveness; Poster pour la Europhysiology 2022. Septembre 2022, Copenhague, Danemark.
56. Benjamin Soret, Zoltan Pethő, V'yacheslav Lehen'kyi, Albrecht Schwab. Targeting the Ca²⁺-activated K⁺ channel KCa3.1 in pancreatic ductal adenocarcinoma. Poster pour 31th Ion Channels Meeting, du 11 au 14 Septembre 2022.
55. Mesquita G, Haustrate A, Soret B, Schwab A, Lehen'kyi V. Role of the Ca²⁺ channel TRPV6 in the development and progression of pancreatic cancer; Poster pour le European Association For Cancer Research Congress 2022, juin 2022, Seville, Espagne.
54. Mesquita G, Haustrate A, Soret B, Schwab A, Lehen'kyi V. Role of the calcium channel TRPV6 in the development and progression of pancreatic cancer; Poster pour le 11th Symposium of the Young Physiologists, mars/avril 2022, Essen, Allemagne.
53. Benjamin Soret, Zoltan Pethő, V'yacheslav Lehen'kyi, Albrecht Schwab. Blocking the Ca²⁺-activated K⁺ channel KCa3.1 in pancreatic ductal adenocarcinoma. Poster pour le ChemBion Symposium, le 14 Février 2022.
52. Mesquita G, Haustrate A, Soret B, Schwab A, Lehen'kyi V. TRPV6 modulates Panc-1 cell aggressiveness and chemotherapeutic resistance. Poster pour le Ion channel & cancer meeting 2022, Lille France.
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 OVEREXPRESSING 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, Khalimonchyk 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, Khalimonchyk 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.
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