

Department/School: Biological Sciences

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## CURRICULUM VITAE

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### NAME:

**CHERKASOVA, Viktoriia**, PhD Student

### DEGREES AND CREDENTIALS:

#### Degrees:

Immunology - Immuno-oncology, Harvard Medical School, Massachusetts, United States, 2021  
Genetics - Cancer Genomics, Harvard Medical School, Massachusetts, United States, 2021  
PhD Biomolecular sciences, The University of Lethbridge, Alberta, Canada, ongoing  
Doctor Specialist Internal Medicine, Ivano-Frankivsk National Medical University, 2010  
Medical Doctor Specialist, Ivano-Frankivsk State Medical University, 2008

#### Credentials:

Internal Medicine Specialist, Ivano-Frankivsk National Medical University, from August 2008  
Description: Residency  
Medical Doctor, Ivano-Frankivsk State Medical University, from September 2002

### EMPLOYMENT HISTORY:

2022 – 2022	Teaching assistantship, Biological Sciences, The University of Lethbridge, Alberta, Canada, Teaching assistant for BIOL2000. Principles of Genetics
2021 – 2021	Teaching assistantship, Biological Sciences, The University of Lethbridge, Alberta, Canada, Teaching assistant for BIOL1010. Principal Basis of Life
2021 – 2021	Teaching assistantship, Biological Sciences, The University of Lethbridge, Alberta, Canada, Biology 2500. Biology in society
2020 – 2020	Teaching assistantship, Biological Sciences, The University of Lethbridge, Alberta, Canada, Biology 2000. Principles of Genetics
2020 – 2020	Teaching assistantship, Biological Sciences, The University of Lethbridge, Alberta, Canada, Biology 2000. Principles of Genetics
2020 – 2020	Teaching assistantship, Biological Sciences, The University of Lethbridge, Alberta, Canada, Biology 2000. Principles of Genetics
2019 – 2019	Tutor, TA, Biological Sciences, The University of Lethbridge, Alberta, Canada, Tutor for Biology 2000
2018 – 2018	Teaching assistant, Biological Sciences, The University of Lethbridge, Alberta, Canada, Lab Instructor for Biology 1010. Principle Basis of Life
2011 – 2018	Assistant Professor, Researcher, Tutor, Lector, Pathological Physiology, Ivano-Frankivsk National Medical University.
2010 – 2011	Physician, Ivano-Frankivsk Regional Narcology Hospital, Ivano-Frankivsk, Ukraine.

### HONOURS:

2019	Best Poster award, Bioinformatics Network Alberta Conference, The University of Lethbridge, Alberta, Canada Honorable mention, 9th Annual Biology Graduate Research Symposium, The University of Lethbridge, Alberta, Canada
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### SCHOLARLY and PROFESSIONAL ACTIVITIES:

#### Mentoring Activities

2021 – 2021 Supervisor  
 2019 – 2019 Supervisor

**COURSES:****Undergraduate Courses**

Ivano-Frankivsk National Medical University:

2011 - 2018

Biology 1010 Cellular Basis of Life, University of Lethbridge, Alberta:

2018 - 2018

Biology 2000 Basic principles of Genetics, University of Lethbridge, Alberta:

2019 - 2022

Cannabis and health The University of Lethbridge, Alberta:

2020 - 2021

Biology 2500 Biology in Society, University of Lethbridge, Alberta:

2021 – 2021

Biology 1010 Cellular Basis of Life, University of Lethbridge, Alberta:

2021 - 2021

**LIFETIME FUNDING:**

- Total amount of funding received ..... \$123,165.00  
 As Principal Investigator ..... \$0.00

**EXTERNAL RESEARCH FUNDING:**

Year(s)	Source	Type	Investigator	Amount
2018 - 2019	MITACS Accelerate  <u>Title:</u> Research Fellowship  <u>Program:</u> Mitacs Accelerate	<u>Type:</u> Grant	<u>My Role:</u> Co-investigator	<u>Funding Total:</u> \$30,832.00

**INTERNAL RESEARCH FUNDING:**

Year(s)	Source	Type	Investigator	Amount
2021 - 2021	<u>Title:</u> Alberta Graduate Excellence Scholarship  <u>Program:</u> Alberta Graduate Excellence Scholarship	<u>Type:</u> Scholarship	<u>My Role:</u> Principal Applicant	<u>Funding Total:</u> \$30,000.00
	University of Lethbridge (The)  <u>Title:</u> SGS Tuition Fee Scholarship  <u>Program:</u> SGS Tuition Fee Scholarship	<u>Type:</u> Scholarship		<u>Funding Total:</u> \$34,000.00
2018 – 2022 (Spring)	University of Lethbridge (The)  <u>Title:</u>	<u>Type:</u> Scholarship		<u>Funding Total:</u> \$28,333.00

	SGS Tuition Fee Scholarship			
	<u>Program:</u> SGS Tuition Fee Scholarship			

**CONTRIBUTIONS:****Life-time summary count according to the following categories:**

Journal Articles.....	9
Conference Publications.....	6
Refereed Chapters in Books .....	1
Other Contributions .....	4

**PUBLICATIONS:**Refereed Chapters In Books

- (2021, January). DNA Mismatch Repair in Mammals. In Igor Kovalchuk, Olga Kovalchuk (Ed.), *Genome stability: from virus to human application* (2 ed., Vol. 26). Canada: Elsevier. Retrieved from doi:978-0-323-85679-9  
Research Type: Scientific Research

Journal Articles

- Cherkasova, Viktoriia; Kovalchuk, Igor; Kovalchuk, Olga. (2021, August). Cannabinoids and Endocannabinoid System Changes in Intestinal Inflammation and Colorectal Cancer. *Cancers*, 1-44. (Accepted)  
Impact Factor: 6.631, Research Type: Scientific Research
- Marta Gerasymchuk, Viktoriia Cherkasova, Olga Kovalchuk, Igor Kovalchuk. (2020, July). The Role of microRNAs in Organismal and Skin Aging. *International Journal of Molecular Science*, 21(5281), 1-36. Retrieved from doi:10.3390/ijms21155281  
Impact Factor: 4.653, Research Type: Scientific Research
- Viktoriia Cherkasova. (2017). Oxidative stress in case of acute pancreatitis and under conditions of Dexamethasone correction. *"Deutscher Wissenschaftsherold- German Science Herald"*, 3, 50-55. Retrieved <https://dwherold.de/onewebmedia/2017/3-2017/Cherkasova.pdf>  
Research Type: Scientific Research
- Viktoriia Cherkasova. (2017). Role of oxidative modification of proteins in experimental acute pancreatitis with dexamethasone correction. *"Bukovinian Medical Herald"*, 21(2(82)), 110-114. Retrieved from [https://www.bsmu.edu.ua/files/BMV/BMV-2017-21-02\(82\)%20p.2/29.pdf](https://www.bsmu.edu.ua/files/BMV/BMV-2017-21-02(82)%20p.2/29.pdf)  
Research Type: Scientific Research
- Viktoriia Cherkasova. (2017). Role of middle mass molecules in experimental L-arginine induced pancreatitis and the correction by dexamethasone. *"Actual Problems of Transport Medicine"*, 2(48), 125-130. Retrieved from <http://www.aptm.org.ua/wp-content/uploads/2017/11/Homep-48-IIC-2.pdf>  
Research Type: Scientific Research
- Viktoriia Cherkasova, Luibomyr Zaiats. (2017). Changes of Prooxidant-Antioxidant Systems in Experimental Acute Pancreatitis. *Galician medical journal*, 24(3), 1-4. Retrieved from doi:0.21802/gmj.2017.3.13  
Research Type: Scientific Research
- M.R. Gerasymchuk, L.M. Zaiats, V.V. Cherkasova, I.P. Klishch. (2016). Influence Of the Polyetiologiical Experimental Conditions On The Lungs Functional Status. *Experimental and Clinical Medicine*, 2, 44-48. Retrieved from <http://journals.uran.ua/index.php/2414-4517/article/view/117780>  
Research Type: Clinical Research
- Marta Gerasymchuk, Viktoriia Cherkasova, Oksana Svystak. (2015). Role of cell defence disorders in the progression of oxidative stress under acute surgical pathology. *Yale review of education and science*, 1(16), 559-564. Retrieved from [https://www.academia.edu/33742337/Yale\\_Review\\_of\\_Education\\_and\\_Science](https://www.academia.edu/33742337/Yale_Review_of_Education_and_Science)

Research Type: Scientific Research

1. M.R. Gerasymchuk, B.M. Kishchuk, L.M. Zayats, V.V. Cherkasova. (2013). The Role of Endogenous Intoxication In The Lung Injury Development In Experimental Diabetes Mellitus. *Clinical Pharmacy*, 17(4), 48-51. Retrieved from [http://nbuv.gov.ua/UJRN/KIPh\\_2013\\_17\\_4\\_14](http://nbuv.gov.ua/UJRN/KIPh_2013_17_4_14)

Research Type: Scientific Research

### Conference Publications

6. Viktoriia Cherkasova, Slava Ilnytskyi, Dongping Li, Marta Gerasymchuk, Igor Kovalchuk, Olga Kovalchuk. (2020, January). Effect of Whole Plant Cannabis Sativa Extracts and Cisplatin on Colorectal Cancer Cell DNA Repair Systems. In *9th Annual Biology Graduate Research Symposium* (p. 1) Canada.  
Research Type: Scientific Research
5. Effect Of Crude Cannabis Sativa Extracts In Combination With Caloric Restriction On Colorectal Cancer Cell Viability. In *BioNet 2019 AB* (p. 1) Canada. Retrieved from <https://www.bionet-meeting.org>  
Research Type: Scientific Research
4. Igor Kovalchuk, Olga Kovalchuk, Viktoriia Cherkasova, Dongping Li, Marta Gerasymchuk, Katrina Taylor. (2019, May). Effect Of Whole Plant Cannabis Sativa Extracts and Cisplatin on Colorectal Cancer Cells. In *2019 AEN Annual Summit* (p. 54) Canada. Retrieved from <http://epigeneticsnetwork.ca/news-events/news/aen-annual-summit-2019-program-schedule.aspx>  
Research Type: Scientific Research
3. Marta Gerasymchuk, Igor Kovalchuk, Olga Kovalchuk, Viktoriia Cherkasova, Dongping Li. (2019, May). Epigenetic aspects of skin photoageing and anti-ageing properties of phytocannabinoids. In *Alberta Epigenetics Network Annual Summit* (p. 91) Canada. Retrieved from <http://epigeneticsnetwork.ca/news-events/news/aen-annual-summit-2019-program-schedule.aspx>  
Research Type: Scientific Research
2. Li, D-P, Zhang, N, Malach, M, Gerasymchuk, M, Cherkasova, V, Galatov, M, Takahashi, N, Sorokin, A, Rodriguez Juarez, R, Hudson, D, Kovalchuk, O, Kovalchuk I. (2019, April). Precision use of cannabis in pan tumor settings. In *Precision Oncology Experimental Therapeutics (POET)* Canada. Retrieved from <http://poet-calgary.ca>  
Research Type: Scientific Research

### **PRESENTATIONS:**

5. Cherkasova, Viktoriia. (2021, December). "Effect of Cannabidiol and Cisplatin on Colorectal Cancer and Normal Colon Cell Viability". Provincial Canadian Society of Plant Biologists - Western Regional Meeting, Lethbridge, Canada.  
Research Type: Scientific Research
4. Cherkasova, Viktoriia. (2020, January). "Effect of Whole Plant Cannabis Sativa Extracts and Cisplatin On Colorectal Cancer Cell DNA Repair Systems". Local 9th Annual Biology Graduate Research Symposium, Lethbridge, Canada.  
Research Type: Scientific Research
3. Cherkasova, Viktoriia. (2019, September). "Effect of Crude Cannabis Sativa Extracts in Combination with Caloric Restriction on Colorectal Cancer Cell Viability". Provincial BioNet AB 2019, Lethbridge, Canada. Retrieved from <https://www.bionet-meeting.org>  
Research Type: Scientific Research
2. Cherkasova, Viktoriia. (2019, May). "Effect Of Whole Plant Cannabis Sativa Extracts And Cisplatin On Colorectal Cancer Cells". National / International Alberta Epigenetic Network Summit, Canmore, Canada.  
Research Type: Scientific Research

### **OTHER CONTRIBUTIONS:**

#### Published Abstracts

3. Cherkasova, Viktoriia. Viktoriia Cherkasova, Igor Kovalchuk, Olga Kovalchuk. Effect of Cannabidiol and Cisplatin on Colorectal Cancer and Normal Colon Cell Viability. (2021, December 3).

Research Type: Scientific Research

2. Cherkasova, Viktoriia. Viktoriia Cherkasova, Marta Gerasymchuk, Dongping Lee, Katrina Taylor, Igor Kovalchuk, Olga Kovalchuk. Effect Of Whole Plant Cannabis Sativa Extracts And Cisplatin On Colorectal Cancer Cells. (2019, May 3).

Research Type: Scientific Research

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