

Research/art/teacher profile of a person

Name and surname doc. PharmDr. Peter Křenek, PhD.
Document type: Research/art/teacher profile of a person
The name of the university Comenius University Bratislava
The seat of the university Šafárikovo námestie 6, 818 06 Bratislava
The name of the faculty Faculty of Pharmacy
The seat of the faculty Odbojárov 10, 832 32 Bratislava

I. - Basic information

I.1 - Surname	Křenek
I.2 - Name	Peter
I.3 - Degrees	doc. PharmDr., PhD.
I.4 - Year of birth	1974
I.5 - Name of the workplace	Comenius University Bratislava, Faculty of Pharmacy, Department of Pharmacology and Toxicology
I.6 - Address of the workplace	Odbojárov 10, 83232 Bratislava
I.7 - Position	associate professor
I.8 - E-mail address	krenek1@uniba.sk
I.9 - Hyperlink to the entry of a person in the Register of university staff	https://www.portalvs.sk/regzam/detail/3734?do=filterForm-submit&surname=K%C5%99enek&sort=surname&employment_state=yes&filter
I.10 - Name of the study field in which a person works at the university	7.3.2. Pharmacology
I.11 - ORCID iD	0000-0002-8292-2732

II. - Higher education and further qualification growth

II.1 - First degree of higher education

II.2 - Second degree of higher education

II.a - Name of the university or institution	Comenius University Bratislava, Faculty of Pharmacy
II.b - Year	1997
II.c - Study field and programme	Pharmacy

II.3 - Third degree of higher education

II.a - Name of the university or institution	Comenius University Bratislava, Faculty of Pharmacy
II.b - Year	2003
II.c - Study field and programme	7.3.2. Pharmacology

II.4 - Associate professor

II.a - Name of the university or institution	Comenius University Bratislava, Faculty of Pharmacy
II.b - Year	2017
II.c - Study field and programme	7.3.2. Pharmacology

II.5 - Professor

II.6 - Doctor of Science (DrSc.)

III. - Current and previous employment

III.a - Occupation-position	III.b - Institution	III.c - Duration
assistant professor	Comenius University Bratislava, Faculty of Pharmacy	1997-2017
associate professor	Comenius University Bratislava, Faculty of Pharmacy	2017-2022
professor, university	Comenius University Bratislava, Faculty of Pharmacy	2023-

V. - Overview of activities within the teaching career at the university

V.1 - Overview of the profile courses taught in the current academic year according to study programmes

V.1.a - Name of the profile course	V.1.b - Study programme	V.1.c - Degree	V.1.d - Field of study
Pharmacology 1	Pharmacy (Slovak)	first and second degree	Pharmacy
Pharmacology 2	Pharmacy (Slovak)	first and second degree	Pharmacy
Pharmacology 1	Pharmacy	first and second	Pharmacy
Pharmacology 2	Pharmacy	First and second	Pharmacy

V.4 - Overview of supervised final theses

V.4.1 - Number of currently supervised theses

V.4.a - Bachelor's (first degree)	0
V.4.b - Diploma (second degree)	2
V.4.c - Dissertation (third degree)	1

V.4.2 - Number of defended theses

V.4.a - Bachelor's (first degree)	23
V.4.b - Diploma (second degree)	60
V.4.c - Dissertation (third degree)	8

V.5 - Overview of other courses taught in the current academic year according to study programmes

V.5.a - Name of the course	V.5.b - Study programme	V.5.c - Degree	V.5.d - Field of study
Pharmacology of Orphan Drugs	Pharmacy	First and second	Pharmacy
Fundamentals of Pharmacology 1	Medical and diagnostic devices	first	Medical and diagnostic devices
Fundamentals of Pharmacology 2	Medical and diagnostic devices	first	Medical and diagnostic devices

VI. - Overview of the research/artistic/other outputs	
VI.1 - Overview of the research/artistic/other outputs and the corresponding citations	
VI.1.1 - Number of the research/artistic/other outputs	
VI.1.a - Overall	359
VI.1.b - Over the last six years	85
VI.1.2 - Number of the research/artistic/other outputs registered in the Web of Science or Scopus databases	
VI.1.a - Overall	109 (Web of Science)
VI.1.b - Over the last six years	53 (Web of Science)
VI.1.3 - Number of citations corresponding to the research/artistic/other outputs	
VI.1.a - Overall	515
VI.1.b - Over the last six years	292
VI.1.4 - Number of citations registered in the Web of Science or Scopus databases	
VI.1.a - Overall	509 (Web of Science)
VI.1.b - Over the last six years	209 (Web of Science)
VI.1.5 - Number of invited lectures at the international, national level	
VI.1.a - Overall	2
VI.1.b - Over the last six years	0
VI.2 - The most significant research/artistic/other outputs	
1	Kreněk P, Kmecová J, KucEROVÁ D, Bajuszová Z, Musil P, Gazová A, Ochodnický P, Klimas J, Kyselovic J. Isoproterenol-induced heart failure in the rat is associated with nitric oxide-dependent functional alterations of cardiac function. Eur J Heart Fail. 2009;11(2):140-6., IF(2009):3.706
2	Kreněk P, Hamaide MC, Morel N, Wibo M. A simple method for rapid separation of endothelial and smooth muscle mRNA reveals Na/K+ -ATPase alpha-subunit distribution in rat arteries. J Vasc Res. 2006;43(6):502-10. IF(2006): 2.505
3	Kreněk P, Morel N, Kyselovic J, Wibo M. Amlodipine at high dose increases preproendothelin-1 expression in the ventricles and aorta of normotensive rats. J Hypertens. 2004;22(4):827-35. IF(2004):4.871
4	Kreněk P, Salomone S, Kyselovic J, Wibo M, Morel N, Godfraind T. Lacidipine prevents endothelial dysfunction in salt-loaded stroke-prone hypertensive rats. Hypertension. 2001;37(4):1124-8. IF(2001):5,364
5	Cernecka H, Veizerova L, Mensikova L, Svetlik J, Kreněk P. Selective inhibitory action of Biginelli-type dihydropyrimidines on depolarization-induced arterial smooth muscle contraction. J Pharm Pharmacol. 2012;64(5):735-41. IF(2012):2.033
VI.3 - The most significant research/artistic/other outputs over the last six years	
1	Kmecová Z, Veteskova J, Lelkova-Zirova K, Bies Pivackova L, Doka G, Malikova E, Paulis L, Kreněk P, Klimas J. Disease severity-related alterations of cardiac microRNAs in experimental pulmonary hypertension. J Cell Mol Med. 2020 Jun;24(12):6943-6951. doi: 10.1111/jcmm.15352. scimago-sjr -- Q1 [Molecular medicine] -- 2020
2	Veteskova J, Kmecová Z, Malikova E, Doka G, Radik M, Vavrinec P, Kreněk P, Klimas J. Opposite alterations of endothelin-1 in lung and pulmonary artery mirror gene expression of bone morphogenetic protein receptor 2 in experimental pulmonary hypertension. Exp Lung Res. 2019 Feb-Mar;45(1-2):30-41. scimago-sjr -- Q3 [Pulmonary and respiratory medicine] -- 2019
3	Jarabíková I, Horváth C, Veřasová E, Bies Piváčková L, Vetešková J, Klimas J, Křenek P, Adameová A. 2022. "Analysis of Necroptosis and Its Association with Pyroptosis in Organ Damage in Experimental Pulmonary Arterial Hypertension." Journal of Cellular and Molecular Medicine 26 (9): 2633–45. https://doi.org/10.1111/jcmm.17272. scimago-sjr -- Q2 [Molecular medicine] -- 2021
4	Radik M, Kmecová Z, Veteskova J, et al. Hepatocyte growth factor plays a particular role in progression of overall cardiac damage in experimental pulmonary hypertension. Int J Med Sci. 2019;16(6):854-863. IF(2018):2.333 scimago-sjr -- Q2 [Medicine (miscellaneous)] -- 2019
5	Srankova J, Veteskova J, Marusakova M, et al. Pegfilgrastim and linagliptin potentiate chemoattraction of Ccr2 and Cd44 stem cells accompanied by alterations of cardiac Hgf, Igf-1 and Mcp-1 in daunorubicin cardiomyopathy. J Pharm Pharmacol. 2019;71(9):1440-1450. IF(2018):2.390, scimago-sjr -- Q2 [Pharmacology] -- 2019
VI.4 - The most significant citations corresponding to the research/artistic/other outputs	
VI.5 - Participation in conducting (leading) the most important research projects or art projects over the last six years	
1	APVV-19-0458 Convergence of serotonin and pulmonary hypertension related growth factors in modulation of right ventricular function and failure. Principal investigator
2	VEGA 1/0203/19 Targeted downregulation of endothelin-1 in pulmonary arterial hypertension, principal investigator
3	VEGA 1/0294/15 Pharmacological inhibition of endothelin cascade components expression in pulmonary arterial hypertension. Principal investigator

IX. - Other relevant facts