

## Research/art/teacher profile of a person

<b>Name and surname</b>	prof. RNDr. Soňa Fraňová, PhD.
<b>Document type:</b>	Research/art/teacher profile of a person
<b>The name of the university</b>	Comenius University Bratislava
<b>The seat of the university</b>	Šafárikovo námestie 6, 818 06 Bratislava
<b>The name of the faculty</b>	Jessenius Faculty of Medicine in Martin
<b>The seat of the faculty</b>	Malá Hora 10701/4A, 03601 Martin

### I. - Basic information

<b>I.1 - Surname</b>	Fraňová
<b>I.2 - Name</b>	Soňa
<b>I.3 - Degrees</b>	prof. RNDr. PhD.
<b>I.4 - Year of birth</b>	1965
<b>I.5 - Name of the workplace</b>	Department of Pharmacology, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
<b>I.6 - Address of the workplace</b>	Malá Hora 4C, 03601 Martin
<b>I.7 - Position</b>	Professor
<b>I.8 - E-mail address</b>	sona.franova@uniba.sk
<b>I.9 - Hyperlink to the entry of a person in the Register of university staff</b>	<a href="https://www.portalvs.sk/regzam/detail/3665">https://www.portalvs.sk/regzam/detail/3665</a>
<b>I.10 - Name of the study field in which a person works at the university</b>	Pharmacy / General medicine
<b>I.11 - ORCID iD</b>	<a href="https://orcid.org/0000-0001-8429-092X">https://orcid.org/0000-0001-8429-092X</a>

### II. - Higher education and further qualification growth

#### II.1 - First degree of higher education

#### II.2 - Second degree of higher education

<b>II.a - Name of the university or institution</b>	Faculty of Natural Sciences, Comenius University in Bratislava
<b>II.b - Year</b>	1989
<b>II.c - Study field and programme</b>	Biochemistry

#### II.3 - Third degree of higher education

<b>II.a - Name of the university or institution</b>	Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
<b>II.b - Year</b>	2000
<b>II.c - Study field and programme</b>	Pharmacy, Pharmacology

#### II.4 - Associate professor

<b>II.a - Name of the university or institution</b>	Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
<b>II.b - Year</b>	2005
<b>II.c - Study field and programme</b>	Pharmacy, Pharmacology

#### II.5 - Professor

<b>II.a - Name of the university or institution</b>	Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava
<b>II.b - Year</b>	2018
<b>II.c - Study field and programme</b>	Pharmacy, Pharmacology

#### II.6 - Doctor of Science (DrSc.)

### III. - Current and previous employment

<b>III.a - Occupation-position</b>	<b>III.b - Institution</b>	<b>III.c - Duration</b>
Scientific worker	Jessenius Faculty of Medicine CU in Martin	1989 - 1995
Lecturer	Jessenius Faculty of Medicine CU in Martin	1995 - 2005
Associate professor	Jessenius Faculty of Medicine CU in Martin	2005 - 2018
Professor	Jessenius Faculty of Medicine CU in Martin	2018 -
Head of Department	Jessenius Faculty of Medicine CU in Martin	2008 -

## 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

<b>V.1.a - Name of the profile course</b>	<b>V.1.b - Study programme</b>	<b>V.1.c - Degree</b>	<b>V.1.d - Field of study</b>
Pharmacology 1, 2	General medicine	I.+II.	General medicine
Pharmacology 1, 2	General medicine	I.+II.	Dentistry, Dental Medicine
Pharmacology	Nursing	I.	Nursing
Pharmacology	Midwifery	I.	Midwifery
Pharmacology 1, 2	Pharmacology	III.	Pharmacy

### V.2 - Overview of the responsibility for the delivery, development and quality assurance of the study programme or its part at the university in the current academic year

<b>V.2.a - Name of the study programme</b>	<b>V.2.b - Degree</b>	<b>V.2.c - Field of study</b>
Pharmacology	III.	Pharmacy

### V.3 - Overview of the responsibility for the development and quality of the field of habilitation procedure and inaugural procedure in the current academic year

<b>V.3.a - Name of the field of habilitation procedure and inaugural procedure</b>	<b>V.3.b - Study field to which it is assigned</b>
Pharmacology	Pharmacy

### V.4 - Overview of supervised final theses

#### V.4.1 - Number of currently supervised theses

<b>V.4.a - Bachelor's (first degree)</b>	0
<b>V.4.b - Diploma (second degree)</b>	6
<b>V.4.c - Dissertation (third degree)</b>	2

#### V.4.2 - Number of defended theses

<b>V.4.a - Bachelor's (first degree)</b>	0
<b>V.4.b - Diploma (second degree)</b>	32
<b>V.4.c - Dissertation (third degree)</b>	5

## 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
Diploma thesis seminar 1,2,3	General medicine	I.+II.	General Medicine
Disaster medicine	General medicine	I.+II.	General medicine

## 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

<b>VI.1.a - Overall</b>	401
<b>VI.1.b - Over the last six years</b>	94

#### VI.1.2 - Number of the research/artistic/other outputs registered in the Web of Science or Scopus databases

<b>VI.1.a - Overall</b>	57
<b>VI.1.b - Over the last six years</b>	30

#### VI.1.3 - Number of citations corresponding to the research/artistic/other outputs

<b>VI.1.a - Overall</b>	913
<b>VI.1.b - Over the last six years</b>	479

#### VI.1.4 - Number of citations registered in the Web of Science or Scopus databases

<b>VI.1.a - Overall</b>	706
<b>VI.1.b - Over the last six years</b>	412

#### VI.1.5 - Number of invited lectures at the international, national level

<b>VI.1.a - Overall</b>	6
<b>VI.1.b - Over the last six years</b>	4

### VI.2 - The most significant research/artistic/other outputs

- 1 Kardošová, Alžbeta - Ebringerová, Anna - Alföldi, Juraj - Nosál'ová, Gabriela - Fraňová, Soňa - Hřibalová, Věra: A biologically active fructan from the roots of *Arctium lappa* L., var. *Herkules*. In: *International Journal of Biological Macromolecules*. - Roč. 33, č. 1-3 (2003), s. 135-140. - ISSN 0141-8130. URL: <http://www.elsevier.com/locate/ijbiomac?menu=cont&label=Table>. Registrované v: scopus; Indikátor časopisu: IF (JCR) 2003=1,427; Kvartil Q: scimago-sjr -- Q1 [Medicine (miscellaneous)] -- 2003; Ohlasy (95).
- 2 Fraňová, Soňa - Molitorisová, Miroslava - Kalmanová, Lenka - Palenčárová, Jarmila - Jošková, Marta - Smieško, Lukáš - Mažerik, Jozef - Šutovská, Martina: The anti-asthmatic potential of Rho-kinase inhibitor hydroxyfasudil in the model of experimentally induced allergic airway inflammation. In: *European Journal of Pharmacology* - č. 938 (2023), s. [1-8], ISSN (print) 0014-2999. <https://www.sciencedirect.com/science/article/pii/S0014299922007117?via%3Dihub>. Registrované v: CCC Current Content Connect, SCOPUS, WOS CC Web of Science IF (JCR) 2021=5.195; Kvartil Q: scimago-sjr -- Q1 [Pharmacology] -- 2021; Ohlasy (2).
- 3 Šutovská, Martina - Fraňová, Soňa - Prisenžňáková, Ľubica - Nosál'ová, Gabriela - Togola, A. - Diallo, D. - Paulsen, B. S. - Capek, Peter: Antitussive activity of polysaccharides isolated from the Malian medicinal plants. In: *International Journal of Biological Macromolecules*. - Roč. 44, č. 3 (2009), s. 236-239. - ISSN 0141-8130; URL: [http://www.sciencedirect.com/science?\\_ob=PublicationURL\\_tockey=%23TOC%235060%232009%23999559996%23941057%23FLA%23&\\_cdi=5060&\\_putType=J&\\_auth=y&\\_acct=C000053045&\\_version=1&\\_urlVersion=0&\\_userid=5677561&md5=209bf51956068b5aeff6010c407ef818](http://www.sciencedirect.com/science?_ob=PublicationURL_tockey=%23TOC%235060%232009%23999559996%23941057%23FLA%23&_cdi=5060&_putType=J&_auth=y&_acct=C000053045&_version=1&_urlVersion=0&_userid=5677561&md5=209bf51956068b5aeff6010c407ef818). Registrované v: scopus; Indikátor časopisu: IF (JCR) 2009=2,366 [2012-2,596]; Kvartil Q: scimago-sjr -- Q1 [Medicine - miscelaneous] -- 2009; Ohlasy (40).

4	Fraňová, Soňa - Kazimierová, Ivana - Pappová, Lenka - Jošková, Marta - Plank, Lukáš - Šutovská, Martina : Bronchodilatory, antitussive and anti-inflammatory effect of morin in the setting of experimentally induced allergic asthma. In: Journal of Pharmacy and Pharmacology. - Roč. 68, č. 8 (2016), s. 1064-1072. - ISSN 0022-3573 URL: <a href="http://onlinelibrary.wiley.com/doi/10.1111/jphp.12576/epdf">http://onlinelibrary.wiley.com/doi/10.1111/jphp.12576/epdf</a> Registrované v: scopus; Registrované v: wos; Indikátor časopisu: IF (JCR) 2016=2,405; scimago-sjr -- Q1 [Pharmaceutical science] -- 2016; Ohlasy (16)
5	Šutovská, Martina- Nosál'ová, Gabriela - Šutovský, Juraj - Fraňová, Soňa - Prisenžňáková, Ľubica - Capek, Peter: Possible mechanisms of dose-dependent cough suppressive effect of <i>Althaea officinalis</i> rhamnogalacturonan in guinea pigs test system. In: International Journal of Biological Macromolecules. - Roč. 45, č. 1 (2009), s. 27-32. - ISSN 0141-8130. URL: <a href="http://www.sciencedirect.com/science?_ob=MIimg&amp;_imagekey=B6T7J-4W04KK8-1-F&amp;_cdi=5060&amp;_user=5677561&amp;_orig=search&amp;_coverDate=07%2F01%2F2009&amp;_sk=999549998&amp;view=c&amp;wchp=dGLbVlb-zSkzS&amp;md5=1a6bafaff7b2878345dbeb9118bfaa79&amp;ie=/sdarticle.pdf">http://www.sciencedirect.com/science?_ob=MIimg&amp;_imagekey=B6T7J-4W04KK8-1-F&amp;_cdi=5060&amp;_user=5677561&amp;_orig=search&amp;_coverDate=07%2F01%2F2009&amp;_sk=999549998&amp;view=c&amp;wchp=dGLbVlb-zSkzS&amp;md5=1a6bafaff7b2878345dbeb9118bfaa79&amp;ie=/sdarticle.pdf</a> . Registrované v: scopus; Indikátor časopisu: IF (JCR) 2009=2,366; Kvartil Q: scimago-sjr -- Q1 [Medicine - miscelaneous] -- 2009; Ohlasy (79)

### VI.3 - The most significant research/artistic/other outputs over the last six years

1	Fraňová, Soňa - Molitorisová, Miroslava - Kazimierová, Ivana - Jošková, Marta - Forsberg, Christina Imnoy - Nováková, Elena - Šutovská, Martina: Pharmacodynamic evaluation of dihydroxyflavone derivate chrysin in a guinea pig model of allergic asthma. In: Journal of Pharmacy and Pharmacology - Roč. 73, č. 2 (2021), s. 233-240. URL: <a href="https://pubmed.ncbi.nlm.nih.gov/33793800/">https://pubmed.ncbi.nlm.nih.gov/33793800/</a> . Registrované v: scopus, Registrované v: wos; IF (JCR) 2020=3.765; scimago-sjr -- Q1 [Pharmaceutical science] -- 2020; Ohlasy (5).
2	Fraňová, Soňa - Molitorisová, Miroslava - Kalmanová, Lenka - Palenčárová, Jarmila - Jošková, Marta - Smieško, Lukáš - Mažerik, Jozef - Šutovská, Martina: The anti-asthmatic potential of Rho-kinase inhibitor hydroxyfasudil in the model of experimentally induced allergic airway inflammation. In: European Journal of Pharmacology - č. 938 (2023), s. [1-8], ISSN (print) 0014-2999. <a href="https://www.sciencedirect.com/science/article/pii/S0014299922007117?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S0014299922007117?via%3Dihub</a> . Registrované v: CCC Current Content Connect, SCOPUS, WOS CC Web of Science IF (JCR) 2021=5.195; Kvartil Q: scimago-sjr -- Q1 [Pharmacology] -- 2021; Ohlasy (2).
3	Capek, Peter - Šutovská, Martina - Barboríková, Jana - Kazimierová, Ivana - Fraňová, Soňa - Kopačová, Mária: Structural characterization and anti-asthmatic effect of alpha-L-arabino(4-O-methyl-alpha-D-glucurono)-beta-D-xylan from the roots of <i>Rudbeckia fulgida</i> In: International Journal of Biological Macromolecules - Roč. 165 (2020), s. 842-848. ISSN (print) 0141-8130 URL: <a href="https://www.sciencedirect.com/science/article/pii/S0141813020352272">https://www.sciencedirect.com/science/article/pii/S0141813020352272</a> . Registrované v: scopus, wos. IF (JCR) 2020=6.953- Kvartil Q: wos-jcr --Q1 [Biochemistry & molecular biology].
4	Molitorisová, Miroslava - Šutovská, Martina - Kazimierová, Ivana - Barboríková, Jana - Jošková, Marta - Nováková, Elena - Fraňová, Soňa: The anti-asthmatic potential of flavonol kaempferol in an experimental model of allergic airway inflammation In: European Journal of Pharmacology - Roč. 891 (2021), s. [1-10], URL: <a href="https://reader.elsevier.com/reader/sd/pii/S0014299920307901?token=DC40BFE65E383CB40A8A29862914C1CBE0CA35DEF4D7D02BB0AACB8D2E61874D8992E0E2E256EA4D1F06FEA800EFB6B">https://reader.elsevier.com/reader/sd/pii/S0014299920307901?token=DC40BFE65E383CB40A8A29862914C1CBE0CA35DEF4D7D02BB0AACB8D2E61874D8992E0E2E256EA4D1F06FEA800EFB6B</a> , Registrované v: scopus Registrované v: wos; IF (JCR) 2020=4.432; Kvartil Q: scimago-sjr -- Q1 [Pharmacology] -- 2020; Ohlasy (25).
5	Fraňová, Soňa - Kazimierová, Ivana - Pappová, Lenka - Molitorisová, Miroslava - Jošková, Marta - Šutovská, Martina: The effect of erdosteine on airway defence mechanisms and inflammatory cytokines in the settings of allergic inflammation. In: Pulmonary Pharmacology and Therapeutics. - č. 54 (2019), s. 60-67. - ISSN (print) 1094-5539 URL: <a href="https://www.sciencedirect.com/science/article/pii/S1094553918301068?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S1094553918301068?via%3Dihub</a> ; Registrované v: scopus; Registrované v: wos Indikátor časopisu: IF (JCR) 2019=2.681; Kvartil Q: scimago-sjr -- Q2 [Pharmacology (medical)] -- 2019 Ohlasy (8).

### VI.4 - The most significant citations corresponding to the research/artistic/other outputs

1	Fraňová, Soňa: The influence of inhaled furosemide on adverse affects of ACE-inhibitors in airways In: Bratislavské lekárske listy. - Roč. 102, č. 7 (2001), s. 309-313. Registrované v: scopus Ohlasy (35). Cited in: [o1] 2014 Dicpinigaitis, P. V. - Morice, A. H. - Birring, S. S. - McGarvey, L. - Smith, J. A. - Canning, B. J. - Page, C. P.: Pharmacological Reviews, roč. 66, č. 2, 2014, s. 468-512 - SCOPUS, IF(JCR) 2014=17,099.
2	Barboríková, Jana - Šutovská, Martina - Kazimierová, Ivana - Jošková, Marta - Fraňová, Soňa - Kopecký, Jiří - Capek, Peter: Extracellular polysaccharide produced by <i>Chlorella vulgaris</i> - Chemical characterization and anti-asthmatic profile. In: International Journal of Biological Macromolecules 2019; 135:1-11. doi: 10.1016/j.ijbiomac.2019.05.104. IF (JCR) 2019=5,162; Kvartil Q: scimago-sjr -- Q1 [Medicine (miscellaneous)] -- 2019; Ohlasy/Citations (22) Cited in: [o1] 2021 Poulhazan, A., Dickwella Widanage, M.C., Muszyński, A., Arnold, A. A., Warscharki D. E., Azadi, P., Marcotte, I., Wang, T.: Journal of the American Chemical Society roč. 143(46), s. 19374-19388 - SCI, SCOPUS; IF(JCR): 15,4
3	Šutovská, Martina - Nosáľová, Gabriela - Fraňová, Soňa: The role of potassium ion channels in cough and other reflexes of the airways. In: Journal of Physiology and Pharmacology 2007; 58 Suppl 5(Pt 2):673-683. <a href="http://www.jpp.krakow.pl/journal/archive/11_07_s5/pdf/673_11_07_s5_article.pdf">http://www.jpp.krakow.pl/journal/archive/11_07_s5/pdf/673_11_07_s5_article.pdf</a> IF (JCR) 2007=4,466; Kvartil Q: scimago-sjr - Q2 [Medicine (miscellaneous)] - 2007; scimago-sjr - Q2 [Pharmacology] - 2007; Ohlasy/Citations (11) Cited in: [o1] 2014 Dicpinigaitis, P. V. - Morice, A. H. - Birring, S. S. - McGarvey, L. - Smith, J. A. - Canning, B. J. - Page, C. P.: Pharmacological Reviews, roč. 66, č. 2, 2014, s. 468-512 - SCI ; SCOPUS ; IF(JCR) 2014=17,099.
4	Šutovská, Martina - Kocmálová, Michaela - Fraňová, Soňa - Vakkalanka, Swaroop - Viswanadha, Srikant: Pharmacodynamic evaluation of RP3128, a novel and potent CRAC channel inhibitor in guinea pig models of allergic asthma. In: European Journal of Pharmacology 2016; 772:62-70. doi: 10.1016/j.ejphar.2015.12.047. IF (JCR) 2016 =3,145; Ohlasy/Citations (8); Cited in: [o1] 2016 Samanta, K. - Parekh, A. B.: Philosophical Transactions of the Royal Society B: Biological Sciences, roč. 371, č. 1700, 2016, čl. č. 20150424 - SCI ; SCOPUS ; IF(JCR) 2016=5,846 a [o1] 2021 Bakowski, D. - Murray, F. - Parekh, A. B.: Annual Review of Pharmacology and Toxicology, roč. 61, 2021, s. 629-654 - SCOPUS ; IF(JCR) 2019=11,250
5	Fraňová, Soňa - Kazimierová, Ivana - Pappová, Lenka - Molitorisová, Miroslava - Jošková, Marta - Šutovská, Martina: The effect of erdosteine on airway defence mechanisms and inflammatory cytokines in the settings of allergic inflammation. In: Pulmonary Pharmacology and Therapeutics. - č. 54 (2019), s. 60-67. Cited in: [o1] 2020 Cazzola, M. - Page, C. - Rogliani, P. - Calzetta, L. - Matera, M. G.: Drugs, roč. 80, č. 17,2020, s. 1799-1809 - SCI ; SCOPUS IF (JCR) 2020= 9,546

#### VI.5 - Participation in conducting (leading) the most important research projects or art projects over the last six years

1	APVV-19-0033: The role of the Rho kinase pathway in the pathomechanism of allergic airway inflammation, remodelling and the possibilities of its pharmacological modulation (Principal investigator), 2020-2024. Influence of respiratory defence mechanisms, allergic inflammation and remodelling by Rho-kinase antagonists and ion channel modulators, the activation of which is associated with the Rho kinase system.
2	VEGA 1/0314/21: The role of RhoA/Rho-kinase pathway in the pathomechanism of allergic airway inflammation and the possibilities of their pharmacological modulation (Principal investigator) 2021-2023. The influence of the defene mechanisms of the respiratory tract, allergic inflammation and remodellation by Rho-kinase inhibitors.
3	APVV-0305-12: New opinion on the pharmacological modulation of allergic asthma (Principal investigator), 2013-2017. Influence of respiratory defence mechanisms, allergic inflammation and airways remodelling by substances affecting the ion channels, PDE inhibitors and new natural remedies.
4	VEGA 1/0160/17: The pharmacological effect of flavonol derivatives on airway defense mechanisms, inflammation and remodelling in the condition of experimentally induced allergic asthma (Principal investigator) 2017-2020.

**VII. - Overview of organizational experience related to higher education and research/artistic/other activities**

<b>VII.a - Activity, position</b>	<b>VII.b - Name of the institution, board</b>	<b>VII.c - Duration</b>
Vice-dean for pedagogical affairs	Jessenius Faculty of Medicine CU in Martin	2004 - 2011
Member of editorial board	Our University Journal	2006 - 2012
Chair of the board	Slovak Pharmacological Society SMS	2008 -
Director of GLP test facility	Jessenius Faculty of Medicine CU in Martin	2020 -

**IX. - Other relevant facts****Date of last update**

27.09.2023