



Krisztina Kelemen

## WORK EXPERIENCE

01/10/2018 – CURRENT Targu Mures, Romania

**DOCTORAL STUDENT** GEORGE EMIL PALADE UNIVERSITY OF MEDICINE, PHARMACY, SCIENCE, AND TECHNOLOGY OF TARGU MURES

CURRENT Targu Mures, Romania

**ASSISTANT PROFESSOR, DEPARTMENT OF PHYSIOLOGY** GEORGE EMIL PALADE UNIVERSITY OF MEDICINE, PHARMACY, SCIENCE, AND TECHNOLOGY OF TARGU MURES

01/2024 – CURRENT Targu Mures, Romania

**NEUROLOGY SPECIALIST** EMERGENCY COUNTY HOSPITAL TARGU MURES (SPITALUL CLINIC JUDETEAN DE URGENTA TARGU MURES)

## EDUCATION AND TRAINING

2004 – 2008

**GRADUATE** Liceul de Artă Târgu - Mureș

Piano

2008 – 2012 Târgu - Mureș, Romania

**GRADUATE** Liceul Teoretic Bolyai Farkas

Științe ale Naturii Intensiv Engleză

2012 – 2018 Târgu - Mureș, Romania

**GRADUATE** Universitatea de Medicină și Farmacie Târgu - Mureș

Facultatea de Medicină Generală

2014 – CURRENT Targu Mures, Romania

**MEMBER** Physiology scientific circle, Universitatea de Medicină și Farmacie Târgu Mureș

2015 – CURRENT Budapest, Hungary

**MEMBER** "Momentum Laboratory of Molecular Neurobiology", Institute of Experimental Medicine Budapest

2018 – CURRENT Targu Mures, Romania

**DOCTORAL STUDENT** George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures

2019 – CURRENT Targu Mures, Romania

**ASSISTANT PROFESSOR, DEPARTMENT OF PHYSIOLOGY** George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures

2019 – 2024 Targu Mures, Romania

**NEUROLOGY RESIDENT DOCTOR** Emergency County Hospital Targu Mures

● **LANGUAGE SKILLS**

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Mother tongue(s): **HUNGARIAN**  
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
ROMANIAN	C1	C1	C1	C1	C1
FRENCH	A1	A2	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **PUBLICATIONS**

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2024  
[Levodopa–Entacapone–Carbidopa Intestinal Gel in the Treatment of Advanced Parkinson’s Disease: A Single Center Real-World Experience](#)

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Szabolcs Szatmári, J.Szász, K.O.Kis,S.Bataga,I. Mihály, Z Szász, Krisztina Kelemen, V.Constantin

2024  
[Starting with 24-h levodopa carbidopa intestinal gel at initiation in a large cohort of advanced Parkinson’s disease patients](#)

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Szabolcs Szatmári, J.Szász,....Krisztina Kelemen, A.F., A. Cs-F & V. A. Constantin

2024  
[Cholecalciferol Supplementation Impacts Behavior and Hippocampal Neuroglial Reorganization in Vitamin D-Deficient Rats](#)

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Zsolt Gáll, Ágnes Csüdör, István-Gábor Sável, Krisztina Kelemen, Melinda Kolcsár

2024  
[Melatonin improves cognitive dysfunction and decreases gliosis in the streptozotocin-induced rat model of sporadic Alzheimer’s disease](#)

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Zsolt Gáll,Bernadett Boros,Krisztina Kelemen,M. Urkon,I. Zolcseak,K. Márton,M. Kolcsar

2022  
[Cerebral microbleeds in a young patient-case presentation with rare disease association and literature review](#)

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Máté Tihamér, Mihály István, Kelemen Krisztina, Szász József Attila, Szatmári Szabolcs

2022  
[A Rare Case of Histopathologically Confirmed Creutzfeldt–Jakob Disease from Romania, Long Route to Diagnosis—Case Report and an Overview of the Romanian CJD Situation](#)

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Krisztina Kelemen, Attila Kövecsi et al.

2022  
[Anticonvulsant action and long-term effects of chronic cannabidiol treatment in the rat pentylenetetrazole-kindling model of epilepsy](#)

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Zsolt Gáll, Krisztina Kelemen et al.

2022  
[Az intestinalis gél bevezetésekor rögzített jellemzők tízéves változásai előrehaladott Parkinson-kóros betegekben](#)

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József Attila Szász, et al

2022

**Ten-year trends of the characteristics in patients with advanced Parkinson's disease at the time of intestinal gel therapy introduction**

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Szasz Jozsef Attila, Szatmari Szabolcs, et al.

2022

**Levodopa-Carbidopa Intestinal Gel in Advanced Parkinson's Disease: Observations and Dilemmas after 10 Years of Real-Life Experience**

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J.A. Szász, V. A. Constantin, K. Orbán-Kis et al.

2021

**New Approach for Untangling the Role of Uncommon Calcium-Binding Proteins in the Central Nervous System**

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Krisztina Kelemen, Tibor Szilágyi

2021

**NECAB1 and NECAB2 are Prevalent Calcium-Binding Proteins of CB1/CCK-Positive GABAergic Interneurons**

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Vivien Miczán, Krisztina Kelemen, Judit R Glavinics, Zsófia I László, Benjámin Barti, Kata Kenesei, Máté Kisfali, István Katona

2021

**Decision-making and duration to accept device-aided therapy in advanced Parkinson's disease**

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József Attila Szász, Szabolcs Szatmári, Viorelia Constantin, István Mihály, Attila Rácz, Attila Frigy, Előd Nagy, Krisztina Kelemen, Timea Forró, Emőke Almásy, Károly Orbán-Kis

2021

**Management Challenges of Severe, Complex Dyskinesia. Data from a Large Cohort of Patients Treated with Levodopa-Carbidopa Intestinal Gel for Advanced Parkinson's Disease**

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József Attila Szász, Viorelia Adelina Constantin, Károly Orbán-Kis, Ligia Ariana Bancu, Marius Ciorba, István Mihály, Előd Ernő Nagy, Róbert Máté Szász, Krisztina Kelemen, Mihaela Adriana Simu, Szabolcs Szatmári

2020

**The importance of evaluation of gastrointestinal symptoms in advanced Parkinson's disease**

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József Szász, Szabolcs Szatmári, Viorelia Constantin, István Mihály, Attila Rácz, Imola Török, Előd Nagy, Krisztina Kelemen, Timea Forró, Beáta Baróti, Károly Orbán-Kis

2020

**Role of Lacosamide in Preventing Pentylentetrazole Kindling-Induced Alterations in the Expression of the Gamma-2 Subunit of the GABAA Receptor in Rats**

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Zsolt Gáll, Krisztina Kelemen, István Mihály, Pál Salamon, Ildikó Miklóssy, Brigitta Zsigmond, Melinda Kolcsár

2020

**A gastrointestinalis panaszok felmérésének jelentősége előrehaladott Parkinson-kórban**

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József Szász, Szabolcs Szatmári, Viorelia Constantin, István Mihály, Attila Rácz, Imola Török, Előd Nagy, Krisztina Kelemen, Timea Forró, Beáta Baróti, Károly Orbán-Kis

2019

**Profile of patients with advanced Parkinson's disease suitable for device-aided therapies: retrospective data of a large cohort of Romanian patients**

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József Attila Szász, Viorelia Adelina Constantin, Károly Orbán-Kis, Attila Rácz, Ligia Ariana Bancu, Dan Georgescu, János Szederjesi, István Mihály, Ana-Mária Fárr, Krisztina Kelemen, Tamás Vajda, Szabolcs Szatmári

2019

**Involvement of GABAA receptor gamma 2 subunit in the anxiety-like behaviour and cognitive dysfunction in pentylentetrazole-kindled rats**

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## ● CONFERENCES AND SEMINARS

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### JOINT NEUROSCIENCE MEETING OF THE HUNGARIAN NEUROSCIENCE SOCIETY (MITT) & THE AUSTRIAN NEUROSCIENCE ASSOCIATION (ANA) 2023 1-3 FEBRUARY, 2023, BUDAPEST

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Brivaracetam induced changes of the neuron–astrocyte–microglia triad in the rat kainic acid model of temporal lobe epilepsy

#### Erdélyi Múzeum-Egyesület Orvos- és Gyógyszerésztudományi Szakosztály, XXXI. Tudományos Ülésszak

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BRIVARACETÁM ÉS LEVETIRACETÁM ELTÉRŐ HATÁSA A MIKROGLIA-ASZTROCITAIDESEJT TRIÁSZRA A KAINSAV INDUKÁLTA TEMPORÁLIS LEBENY EPILEPSZIA PATKÁNYMODELLJÉBEN

#### I. díj - A Legjobb kísérletes munkáért

#### Erdélyi Múzeum-Egyesület Orvos- és Gyógyszerésztudományi Szakosztály, XXXI. Tudományos Ülésszak

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GERINCSATORNAI, EPIDURÁLIS FOLYADÉKGYÜLEM PROGRESSZÍV TETRAPARÉZISES BETEGNÉL -ESETBEMUTATÓ

#### International Conference of PhD Students and Young Doctors, 2021.december 6-10

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In search for calcium-binding proteins with potential role in epileptogenesis

#### Az Erdélyi- Múzeum Egyesület Orvos- és Gyógyszerésztudományi Szakosztálya, XXIX. Tudományos Ülésszak, Szatmárnémeti

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CB1 kannabinoid receptor pozitív hippocampális interneuronok kalciumkötő fehérjéinek vizsgálata

#### XXII. IEM Scientific Days

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NECAB1 and NECAB2 are the two major calcium-binding proteins of the CB1 cannabinoid receptor-positive GABAergic interneuron population in the neocortex, hippocampus and the basolateral amygdala.

#### Society for Neuroscience Annual Meeting 2018 San Diego

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NECAB1 and NECAB2 are the two major calcium-binding proteins of the CB1 cannabinoid receptor-positive GABAergic interneuron population in the neocortex, hippocampus and the basolateral amygdala

#### EMBO Workshop on Cortical Interneurons in Health and Disease

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Calcium-binding protein profile of the CB1 cannabinoid receptor-positive interneurons in the hippocampus, neocortex, and basolateral amygdala

#### International Congress for Students, Young Doctors and Pharmacists Marisiensis

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DECOUPLING OF MRNA AND PROTEIN EXPRESSION OF GABAA- RECEPTOR GAMMA2 SUBUNIT IN PTZ-KINDLED AND LACOSAMIDE TREATED RATS

#### 24. Tudományos Diákköri Konferencia

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CB1 kannabinoid receptor pozitív hippocampális interneuronok kalciumkötő fehérjéinek vizsgálata

#### I. Díj

#### The 8th Conference of the National Neuroscience Society of Romania

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NECAB1, a novel calcium-binding protein of the CB1cannabinoid receptor-positive hippocampal interneurons.

#### I. Díj

#### FENS (Federation of European Neuroscience Society) Regional Meeting, 2017 september 20-23.

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Kulonbozunk, de miért?

## **I. Díj**

### ● **COMMUNICATION AND INTERPERSONAL SKILLS**

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#### **Communication and interpersonal skills**

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- good communication
- good management skills
- good presentation skill

**- good teaching skills**

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### ● **JOB-RELATED SKILLS**

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#### **Job-related skills**

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- Immunohistochemistry, Fluorescent in situ hybridisation - RNAscope, using the light microscope, epifluorescent microscope, confocal microscope, using a vibratome, a criostat, data analysis, behavioral testing of laboratory animals
- Positive work attitude
- Perseverance