
# Dr. Zsolt Bagosi

associate professor

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## JOBS

2003 – 2022 Department of Pathophysiology,
Albert Szent-Györgyi Medical School, University of Szeged
researcher-teacher

2002 – 2003 Victor Babes University of Medicine and Pharmacy,
General Medicine, County Hospital, Timisoara
medical practitioner

2001 – 2002 Mircea Pavkov Cabinet of General Surgery and Phlebology, Timisoara
medical assistant

## STUDIES

2019 – 2020 Doctoral School of Theoretical Medicine,
Albert Szent-Györgyi Medical School, University of Szeged
habilitation (habil.)

2009 – 2011 Doctoral School of Theoretical Medicine,
Albert Szent-Györgyi Medical School, University of Szeged
doctoral degree (Ph.D.)

1995 – 2001 Victor Babes University of Medicine and Pharmacy,
General Medicine, Timisoara
medical degree (M.D.)

## MEMBERSHIPS

2012 – 2023 Hungarian Neuroscience Society (MITT)
Federation of European Neuroscience Societies (FENS)

2011 – 2023 Hungarian Physiological Society (MÉT)
Federation of European Physiological Societies (FEPS)

2006 – 2022 Hungarian Medical Chamber (MOK)

## LANGUAGES

Romanian (advanced), English (intermediate), French (elementary)

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|---|---|
| SCIENTIFIC PUBLICATIONS | 35 |
| IMPACT FACTORS | 108,832 |
| TOTAL CITATIONS | 415 |
| SCIENTIFIC CONFERENCES | 32 |
| TDK CONFERENCES | 6 |
| TDK STUDENTS | |
| 2023 | Donya Shojaei and Farouk Alkhalidi (4th year MED students)<br>Barakat Ibikunle and Possible Raymond (4th year MED students) |
| 2021 | Hanna Rudersdorf (5th year MED student)<br>Atilla Thury (4th year ÁOK student) |
| 2016 | András Czébely (4th year ÁOK student)<br>Gergely Karasz (4th year FOK student) |
| 2015 | Dorina Balázs (4th year ÁOK student)<br>Beáta Balangó (4th year GYTK student)<br>Dávid Pintér (4th year GYTK student) |
| 2013 | Péter Bokor (4th year ÁOK student)<br>András Buzás (4th year ÁOK student) |
| 2011 | Renáta Lilla Kószó Renáta (4th year ÁOK student)<br>Miklós Palotai (4th year ÁOK student) |
| Ph.D. STUDENTS | |
| 2020 – 2023 | Dr. Balázs Simon<br>surgeon specialist |
| 2019 – 2022 | Dr. Dávid Pintér, Ph.D.<br>clinical pharmacist |
| 2016 – 2019 | Dr. András Buzás, Ph.D.<br>surgeon specialist |

## PUBLICATIONS

2006 Bagosi Z, Jászberényi M, Bujdosó E, Telegdy G: The effects of corticotropin-releasing factor and the urocortins on striatal dopamine release induced by electrical stimulation - an in vitro superfusion study (Neurochemical Research, 2006 Feb; 31:209-13.) IF: 2.139

2006 Jászberényi M, Bujdosó E, Bagosi Z, Telegdy G: Mediation of behavioral, endocrine and thermoregulatory actions of ghrelin (Hormones and Behavior, 2006 Aug; 50:266-73.) IF: 3.789

2006 Bagosi Z, Jászberényi M, Bujdosó E, Szabó G, Telegdy G: The effects of endomorphins and diprotin A on striatal dopamine release induced by electrical stimulation - an in vitro superfusion study in rats (Neurochemistry International, 2006 Dec; 49:665-8.) IF: 3.159

2007 Jászberényi M, Bagosi Z, Thurzó B, Földesi I, Telegdy G: Endocrine and behavioral effects of neuromedin S (Hormones and Behavior, 2007 Dec; 52:631-9**.)** IF: 3.401

2008 Bagosi Z, Jászberényi M, Szabó G, Telegdy G: The effects of CRF and the urocortins on [3H]GABA release from the rat amygdala - An in vitro superfusion study (Brain Research Bulletin, 2008 Jan 31; 75:15-7.) IF: 2.281

2009 Bagosi Z, Jászberényi M, Telegdy G: The effects of endomorphins on striatal [3H]GABA release induced by electrical stimulation - an in vitro superfusion study in rats (Neurochemical Research, 2009 May; 34:905-8.) IF: 2.722

2009 Jászberényi M, Bagosi Z, Thurzó B, Földesi I, Szabó G, Telegdy G: Endocrine, behavioral and autonomic effects of neuropeptide AF (Hormones and Behavior, 2009 Jun; 56:24-34.) IF: 3.770

2011 Csabafi K, Jászberényi M, Bagosi Z, Tóth G, Wollemann M, Telegdy G: The action of a synthetic derivative of Met5-enkephalin-Arg6-Phe7 on behavioral and endocrine responses (Peptides, 2011 Aug; 32:1656-60.) IF: 2.652

2012 Bagosi Z, Csabafi K, Jászberényi M, Telegdy G: The effects of corticotropin-releasing factor and the urocortins on hypothalamic gamma-amino butyric acid release - the impacts on the hypothalamic-pituitary-adrenal axis (Neurochemistry International, 2012 Jan; 60:350-354.) IF: 3.601

2013 Csabafi K, Jászberényi M, Bagosi Z, Lipták N, Telegdy G: Effects of kisspeptin-13 on the hypothalamic-pituitary-adrenal axis, thermoregulation, anxiety and locomotor activity in rats (Behavioural Brain Research, 2013 Mar; 241:56-61.) IF: 3.674

2013 Palotai M, Bagosi Z, Jászberényi M, Csabafi K, Dochnal R, Manczinger M, Telegdy G, Szabó G: Ghrelin and nicotine stimulate equally the dopamine release in the rat amygdala (Neurochemical Research, 2013 Oct; 38:1989-95.) IF: 2.125

2013 Palotai M, Bagosi Z, Jászberényi M, Csabafi K, Dochnal R, Manczinger M, Telegdy G, Szabó G: Ghrelin amplifies the nicotine-induced dopamine release in the rat striatum (Neurochemistry International, 2013 Oct; 63:239-43.) IF: 2.659

2013 Bagosi Z, Csabafi K, Palotai M, Jászberényi M, Földesi I, Gardi J, Szabó G, Telegdy G: The interaction of Urocortin II and Urocortin III with amygdalar and hypothalamic cotricotropin-releasing factor (CRF) - Reflections on the regulation of the hypothalamic-pituitary-adrenal (HPA) axis (Neuropeptides, 2013 Oct; 47:333-8.) IF: 2.067

2013 Jászberényi M, Bagosi Z, Csabafi K, Palotai M, Telegdy G: The actions of neuropeptide SF on the hypothalamic-pituitary-adrenal axis and behavior in rats (Regulatory Peptides, 2013 Dec 5;188C:46-51.) IF: 2.056

2014 Bagosi Z, Csabafi K, Palotai M, Jászberényi M, Földesi I, Gardi J, Szabó G, Telegdy G: The effect of urocortin I on the hypothalamic ACTH secretagogues and its impact on the hypothalamic-pituitary-adrenal axis (Neuropeptides, 2014 Feb; 48:15-20.) IF: 2.067

2014 Palotai M, Kiss E, Bagosi Z, Jászberényi M, Tóth G, Váradi G, Telegdy G: Interleukin-1β (187-207)-induced hyperthermia is inhibited by interleukin-1β (193-195) in rats (Neurochemical Research, 2014 Feb; 39:254-8.) IF: 2.125

2014 Telegdy G, Bagosi Z, Jászberényi M: Transmitter-mediated action of Neuromedin S on passive-aviodance learning in rats (The Journal of Neurobehavioral Science, 2014 Jun; 1: 41-46.)

2014 Palotai M, Telegdy G, Tanaka M, Bagosi Z, Jászberényi M: Neuropeptide AF induces anxiety-like and antidepressant-like behavior in mice (Behavioural Brain Research, 2014 Nov; 274:264-9.) IF: 3.629

2015 Bagosi Z, Balangó B, Pintér D, Csabafi K, Jászberényi M, Szabó G, Telegdy G: The effects of CRF and urocortins on the hippocampal glutamate release (Neurochemistry International, 2015 Nov; 90:67-71.) IF: 3.092

2015 Palotai M, Telegdy G, Bagosi Z, Jászberényi M: The action of neuropeptide AF on passive avoidance learning. Involvement of neurotransmitters (Neurobiology of Learning and Memory, 2015 Nov; 127:34-41.) IF: 3.652

2016 Bagosi Z, Palotai M, Simon B, Bokor P, Buzás A, Balangó B, Pintér D, Jászberényi M, Csabafi K, Szabó G: Selective CRF2 receptor agonists ameliorate the anxiety- and depression-like state developed during chronic nicotine treatment and consequent acute withdrawal in mice (Brain Research, 2016 Dec; 1652:21-29.) IF: 2.561

2017 Bagosi Z, Karasz G, Czébely-Lénárt A, Csabafi K, Jászberényi M, Telegdy G: The effects of CRF and urocortins on the sociability of mice (Brain Research, 2017 May; 1663:114-122.) IF: 2.561

2017 Bagosi Z, Czébely-Lénárt A, Karasz G, Csabafi K, Jászberényi M, Telegdy G: The effects of CRF and urocortins on the preference for social novelty of mice (Behavioural Brain Research, 2017 May; 324:146-154.) IF: 3.002

2017 Thurzó B, Jászberényi M, Bagosi Z, Pataki I, Kádár E, Szabó G, Telegdy G: Evidence of the dopamine-2 receptor mediated inhibition of the hypothalamic-pituitary-adrenal system; a rodent model of hypercortisolism in chronic neuropsychiatric disorders (Translational Brain Rhithmicity, 2017 Nov; 1:1-5.)

2018 Bagosi Z, Csabafi K, Balangó B, Pintér D, Szolomájer-Csikós O, Bozsó Z, Tóth G, Telegdy G, Szabó G: Anxiolytic- and antidepressant-like actions of Urocortin 2 and its fragments in mice (Brain Research, 2018 Feb; 1680:62–68.) IF: 2.746

2018 Csabafi K, Bagosi Z, Dobó É, Szakács J, Telegdy G, Szabó G: Kisspeptin modulates pain sensitivity of CFLP mice (Peptides, 2018 Jul; 105:21-27) IF: 2.851

2018 Bagosi Z, Csabafi K, Karasz G, Jászberényi M, Földesi I, Siska A, Szabó G, Telegdy G: The effects of the urocortins on the hypothalamic-pituitary-adrenal axis - similarities and discordancies between rats and mice (Peptides, 2018 Nov; 112:1-13.) IF: 2.851

2019 Buzás A, Bokor P, Balangó B, Pintér D, Palotai M, Simon B, Csabafi K, Telegdy G, Szabó G, Bagosi Z: Changes in striatal dopamine release and locomotor activity following acute withdrawal from chronic nicotine *a*re mediated by CRF1, but not CRF2, receptors (Brain Research, 2019 Mar; 1706: 41-47) IF: 3.125

2021 Ibos KE, Bodnár É, Bagosi Z, Bozsó Z, Tóth G, Szabó G, Csabafi K. Kisspeptin-8 Induces Anxiety-Like Behavior and Hypolocomotion by Activating the HPA Axis and Increasing GABA Release in the Nucleus Accumbens in Rats. (Biomedicines. 2021 Jan 25;9(2):112) IF: 6.081

2021 Pintér D, Balangó B, Simon B, Palotai M, Csabafi K, Dobó É, Ibos KE, Bagosi Z. The effects of CRF and the urocortins on the hippocampal acetylcholine release in rats (Neuropeptides. 2021 Aug;88:102147) IF: 3.286

2023 Simon B, Buzás A, Bokor P, Csabafi K, Ibos KE, Bodnár É, Török L, Földesi I, Siska A, Bagosi Z. The Effects of Alcohol Intoxication and Withdrawal on Hypothalamic Neurohormones and Extrahypothalamic Neurotransmitters. Biomedicines. 2023 Apr;11:1288. IF: 4.7

2023 Bagosi Z, Megyesi K, Ayman J, Rudersdorf H, Ayaz MK, Csabafi K. The Role of Corticotropin-Releasing Factor (CRF) and CRF-Related Peptides in the Social Behavior of Rodents (Biomedicines. 2023 Aug;11:2217.) IF: 4.7

2023 Ayman J, Palotai M, Dochnal R, Bagosi Z. Ghrelin Amplifies the Nicotine-Induced Release of Dopamine in the Bed Nucleus of Stria Terminalis (BNST) (Biomedicines. 2023 Sep;11:2446.) IF: 4.7

2023 Csabafi K., Ibos KE, Bodnár É, Filkor K, Szakács J, Bagosi Z. A Brain Region-Dependent Alteration in the Expression of Vasopressin, Corticotropin-Releasing Factor, and Their Receptors Might Be in the Background of Kisspeptin-13-Induced Hypothalamic-Pituitary-Adrenal Axis Activation and Anxiety in Rats (Biomedicines. 2023 Sep;11:2456.) IF: 4.7

2023 Simon B, Thury AÁ, Török L, Földesi I, Csabafi K, Bagosi Z. The effects of alcohol on anxiety-like, depression-like, and social behavior immediately and a day after binge drinking (Alcohol. 2023 Nov;112:17-24.) IF: 2.558