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Dr. ZSOLT BAGOSI

PROFESSION

- since 2012 senior lecturer at the Department of Pathophysiology, Faculty of Medicine, University of Szeged, Szeged, Hungary

EDUCATION

- 2019 Habilitation, Faculty of Medicine, University of Szeged, Hungary
- 2011 Ph.D. Theoretical Medicine Doctoral School, Faculty of Medicine, University of Szeged, Szeged, Hungary
- 2001 M.D. "Victor Babes" University of Medicine and Pharmacy Timisoara, Romania
- 1995 Diploma in Mathematics-Physics, "Emanuil Gojdu" Theoretical High School Oradea, Romania

TEACHING EXPERIENCE

- since 2003 teaching the pathophysiology of diseases for medicine, dentistry and pharmacy students in the 3rd year; giving lectures, seminars and practices

RESEARCH EXPERIENCE

- since 2003 investigating the actions of neuropeptides and drugs on different neurohormones and neurotransmitters

CLINICAL EXPERIENCE

- 2001-2002 medical practitioner at the Departments of General Surgery and Phlebology, Intensive Care Unit and Anesthesiology, and Endocrinology of the Timisoara County Hospital, Timisoara, Romania

MEMBERSHIPS

- since 2012 Hungarian Neuroscience Society (MITT)
- since 2011 Hungarian Physiological Society (MÉT)
- since 2006 Hungarian Medical Chamber (MOK)

SKILLS

- Computer Microsoft Word, Excel, PowerPoint, Statistica
- Languages Hungarian, Romanian, English, French
- Sports tennis, football

PUBLICATIONS

1. **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**
2. 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**
3. **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**
4. 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**
5. **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**
6. **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**
7. 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**
8. 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**
9. **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**
10. 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**
11. 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**
12. 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**
13. **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 corticotropin-releasing factor (CRF) - Reflections on the regulation of the hypothalamic-pituitary-adrenal (HPA) axis (Neuropeptides, 2013 Oct; 47:333-8.) **IF: 2.067**
14. 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**
15. **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**
16. Palotai M, Kiss E, **Bagosi Z**, Jászberényi M, Tóth G, Váradi G, Telegdy G: Interleukin-1 β (187-207)-induced hyperthermia is inhibited by interleukin-1 β (193-195) in rats (Neurochemical Research, 2014 Feb; 39:254-8.) **IF: 2.125**

17. Telegdy G, **Bagosi Z**, Jászberényi M: Transmitter-mediated action of Neuromedin S on passive-avoidance learning in rats (The Journal of Neurobehavioral Science, 2014 Jun; 1: 41-46.)
18. 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**
19. **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**
20. 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**
21. **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**
22. **Bagosi Z**, Karasz G, Czébel-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**
23. **Bagosi Z**, Czébel-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**
24. 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 Rhythmicity, 2017 Nov; 1:1-5.)
25. **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**
26. Csabafi K, **Bagosi Z**, Dobó É, Szakács J, Telegdy G, Szabó G: Kisspeptin modulates pain sensitivity of C/FLP mice (Peptides, 2018 Jul; 105:21-27) **IF: 2.851**
27. **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 8; 112:1-13.) **IF: 2.851**
28. 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 are mediated by CRF1, but not CRF2, receptors (Brain Research, 2019 Mar; 1706: 41-47) **IF: 3.125**

PRESENTATIONS

1. **Bagosi Z**, Jászberényi M, Bujdosó E, Telegdy G: The effect of endomorphins on [³H]-dopamine release from rat striatal slices evoked by electric impulse (MÉT, Debrecen, Hungary, 2004)
2. **Bagosi Z**, Jászberényi M, Bujdosó E, Telegdy G: The effects of corticotropin-releasing factor and urocortins on striatal dopamine release induced by electric stimulation (MITT, Pécs, Hungary, 2005)
3. **Bagosi Z**, Jászberényi M, Bujdosó E, Telegdy G: The actions of selective mu opioid receptor antagonists on striatal dopamine release increased by endomorphins (MÉT, Budapest, Hungary, 2005)
4. **Bagosi Z**, Jászberényi M, Telegdy G: The actions of selective CRF receptor antagonists on striatal dopamine release increased by CRF and urocortin (MÉT, Szeged, Hungary, 2006)
5. **Bagosi Z**, Jászberényi M, Szabó G, Telegdy G: The effects of corticotropin-releasing factor peptide family on [3H]GABA release from electrically stimulated rat amygdala (MITT, Szeged, Hungary, 2007)
6. **Bagosi Z**, Jászberényi M, Szabó G, Telegdy G: The actions of the selective CRF receptor antagonists on the rat amygdalar transmitter release evoked by electrical stimulation and enhanced by CRF-related peptides (MÉT, Pécs, Hungary, 2007)
7. **Bagosi Z**, Jászberényi M, Telegdy G: The effects of the endomorphins on the striatal neurotransmitters (BKT, Szeged, Hungary, 2008)
8. **Bagosi Z**, Jászberényi M, Szabó G: The actions of antalarmin on the consequences of nicotine withdrawal (MÉT, Debrecen, Hungary, 2008)
9. **Bagosi Z**, Jászberényi M, Dochnal R, Szabó G: Actions and interactions of ghrelin and nicotine on dopamine released from mouse striatum and amygdala (MÉT, Budapest, Hungary, 2009)
10. **Bagosi Z**, Simon B, Jászberényi M, Szabó G: The effects of nicotine withdrawal on the rat limbic system: increase of dopamine release in the striatum and increase of GABA release in the amygdala (MÉT, Szeged, Hungary, 2010)
11. **Bagosi Z**, Csabafi K, Telegdy G, Szabó G: The actions of the urocortins on the mediators of stress response (MITT, Budapest, Hungary, 2011)
12. **Bagosi Z**, Csabafi K, Jászberényi M, Földesi I, Gardi J, Telegdy G, Szabó G: The actions of the endomorphins and the urocortins on the hypothalamic amounts of CRF and AVP in rats (FAMÉ, Pécs, Hungary, 2011)
13. **Bagosi Z**, Csabafi K, Jászberényi M, Földesi I, Gardi J, Telegdy G: The effects of CRF and urocortin 1 on amygdalar and hypothalamic GABA release (IBRO Workshop, Szeged, Hungary, 2012)
14. **Bagosi Z**, Csabafi K, Palotai M, Jászberényi M, Földesi I, Gardi J, Szabó G, Telegdy G: The effects of the urocortins on the limbic-hypothalamic-pituitary-adrenal axis (MÉT, Debrecen, Hungary, 2012)
15. **Bagosi Z**, Palotai M, Buzás A, Bokor P, Csabafi K, Szabó G: The effects of selective CRF receptor antagonists in rats following chronic alcohol treatment and acute alcohol withdrawal (MITT, Budapest, Hungary, 2013)
16. **Bagosi Z**, Bokor P, Buzás A, Palotai M, Jászberényi M, Csabafi K, Szabó G: The effects of urocortin II and urocortin III on the anxiety- and depression-like symptoms in nicotine-treated mice (MÉT, Budapest, Hungary, 2013)
17. **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 (IBRO, Debrecen, Hungary, 2014)
18. **Bagosi Z**, Csabafi K, Palotai M, Jászberényi M, Földesi I, Gardi J, Telegdy G: The effects of urocortin I on the hypothalamic CRF, AVP and GABA concentrations - the impacts on the hypothalamic-pituitary-adrenal (HPA) axis (FENS, Milan, Italy, 2014)

19. **Bagosi Z**, Palotai M, Buzás A, Bokor P, Jenei A, Csabafi K, Jászberényi M, Telegdy G, Szabó G: Role of the hypothalamic CRF and AVP in mediating the activation of the HPA axis in alcohol-treated and alcohol-deprived rats (FEPS, Budapest, Hungary, 2014)
20. **Bagosi Z**, Balázs D, Csabafi K, Jászberényi M, Telegdy G, Szabó G: The role of urocortins in the regulation of the HPA axis (MÉT, Szeged, Hungary, 2015)
21. **Bagosi Z**, Palotai M, Simon B, Bokor P, Buzás A, Csabafi K, Szabó G: The effects of a selective CRFR1 antagonist in rats exposed to chronic nicotine treatment and consequent acute withdrawal (IBRO, Budapest, Hungary, 2016)
22. **Bagosi Z**, Bokor P, Buzás A, Balangó B, Pintér D, Csabafi K, Szabó G: The effects of the selective CRF2 receptor agonists in mice exposed to chronic nicotine treatment and consequent acute withdrawal (FAMÉ, Pécs, Hungary, 2016)
23. **Bagosi Z**, Csabafi K, Jászberényi M, Telegdy G: The role of CRF and the urocortins in social interaction (IBNS, Budapest, Hungary, 2016)
24. **Bagosi Z**, Balangó B, Pintér D, Csabafi K, Pál Á, Kiss G, Tóth G, Szabó G: The effects of UCN II (1-21) and UCN II (22-38) on anxiety and depression in mice (MÉT, Debrecen, Hungary, 2017)
25. **Bagosi Z**, Balangó B, Pintér D, Bokor P, Buzás A, Csabafi K, Szabó G: The effects of selective CRF receptor antagonists in rats exposed to chronic nicotine treatment and consequent acute withdrawal (FENS, Pécs, Hungary, 2017)
26. **Bagosi Z**, Karasz G, Buzás A, Csabafi K, Telegdy G, Szabó G: The effects of selective CRF receptor antagonists on the affective signs of binge drinking (MÉT, Szeged, Hungary, 2018)
27. **Bagosi Z**, Horváth V, Karasz G, Csabafi K, Ibos K, Szakács J, Telegdy G, Szabó G: The effects of binge drinking and hangover on anxiety in mice (MITT, Debrecen, Hungary, 2019)
28. **Bagosi Z**, Simon B, Karasz G, Csabafi K, Ibos K, Szakács J, Ibos KE, Szabó G: Binge drinking and hangover have different impacts on mood (FAMÉ, Budapest, Hungary, 2019)
29. **Bagosi Z**, Simon B, Karasz G, Csabafi K, Ibos K, Szakács J, Ibos KE, Szabó G: Binge drinking has different effects on sociability and preference for social novelty (FEPS, Bologna, Italy, 2019)
30. **Bagosi Z**, Simon B, Karasz G, Ibos KE, Dobó É, Csabafi K: Different effects of binge drinking and hangover on mood are mediated by different CRF receptors (IBRO, Szeged, Hungary, 2020)