

INFORMAȚII PERSONALE

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Sexul M | Naționalitatea Română

LOCUL DE MUNCA PENTRU
 CARE SE CANDIDEAZĂ
 POZIȚIA
 LOCUL DE MUNCĂ DORIT
 STUDIILE PENTRU CARE SE
 CANDIDEAZĂ
 PROFILUL PERSONAL

Decan, Facultatea de Medicina si Științe Biologice,
 Universitatea "Ștefan cel Mare", Suceava

EXPERIENȚA PROFESIONALĂ

• Perioada	2012- 2021	
• Locul de muncă	Universitatea Ștefan cel Mare, Suceava	
• Gradul didactic	Director al Departamentului de Sanatate și Dezvoltare Umana, Facultatea de Educatie Fizica si Sport	
• Principalele activități și responsabilități	• cursuri susținute:	Terapie nutritionala in kinetoterapie, Bazele nutritiei, Dieta si nutritie
	• seminarii și laboratoare:	
	• Lucrări licență	

• Perioada	2011- prezent	
• Locul de muncă	Universitatea Ștefan cel Mare, Suceava	
• Gradul didactic	Profesor de Fiziologie, Facultatea de Educatie Fizica si Sport	
• Principalele activități și responsabilități	• cursuri susținute:	Terapie nutritionala in kinetoterapie , Bazele nutritiei, Dieta si nutritie
	• seminarii și laboratoare:	
	• Lucrări licență	

• Perioada	2009-prezent	
• Locul de muncă	Western University of Medical Sciences, College of Osteopathic Medicine	
• Gradul didactic	Profesor Asociat de Fiziologie	
• Principalele activități și responsabilități	• cursuri susținute:	Fiziologie gastrointestinală, Neuroștiințe, Fiziologia sistemului osos și muscular, Fiziologia cardiovasculară.
	• seminarii și laboratoare:	
	• Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele)	



• Perioada	2010-2015	
• Locul de muncă	AgroParisTech, Paris, France, Facultatea de Nutriție Umană	
• Gradul didactic	Profesor invitat	
• Principalele activități și responsabilități	• cursuri susținute:	Comportamentul alimentar.
	• seminarii și laboratoare:	Curs de comportament alimentar. Comunicarea dintre creier și tubul digestiv în controlul consumului alimentar. Curs de doctorat. (3 cr)
	• Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele)	Program Masterat Conducator doctorat

• Perioada	2009-2015	
• Locul de muncă	University Pierre et Marie Curie, Paris, France, Fiziologie și Fiziopatologie	
• Gradul didactic	Profesor de fiziologie (invitat)	
• Principalele activități și responsabilități	• cursuri susținute:	Fiziologia comportamentului alimentar
	• seminarii și laboratoare:	Nutriția și sănătatea: Semnale care controlează consumul de alimente și balanța energetică. Curs de doctorat
	• Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele)	Program Masterat Conducator doctorat

• Perioada	2009- 2015	
• Locul de muncă	Institutul MICALIS, INRA, Franta	
• Gradul didactic	Director Laboratorul de Fiziologie și Nutriție	
• Principalele activități și responsabilități	• cursuri susținute:	
	• seminarii și laboratoare:	
	• Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele)	Conducator doctorat

• Perioada	2009-2015	
• Locul de muncă	Institute de Recherche Agronomique, Paris, France	
• Domeniul de activitate	Cercetare de bază și aplicată	
• Funcția	Director de cercetare	
• Principalele activități și responsabilități	Director de laborator, șef de grup, cercetare, coordonare programe de cercetare, îndrumare cercetători, studenți master și doctorat.	
• Domenii de competență:	Nutriție, Fiziologie, Neuroștiințe	

• Perioada	2008- 2009	
• Locul de muncă	The Pennsylvania State University	
• Gradul didactic	Profesor asociat titular, Facultatea de Nutritie Umana	
• Principalele activități și responsabilități	• cursuri susținute:	Bazele Nutritiei, Comportamentul alimentar, Neurostiinte
	• seminarii și laboratoare:	
	• Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele)	Conducator doctorat

le. Co. A.

• Perioada	2002-2009	
• Locul de muncă	The Pennsylvania State University, Facultatea de Nutriție Umană	
• Gradul didactic	Conferențiar Universitar	
• Principalele activități și responsabilități	• cursuri susținute:	Principii introductive în nutriție , Aspecte nutriționale ale bolilor, Curs de doctorat în metabolismul nutrienților , Neurobiologie
	• seminarii și laboratoare:	NUTR 551: Seminar -Comportamentul alimentar. NUTR 296 and NUTR 496. Studii independente în Fiziologie și Neuroștiințe Nutriționale. PSU014: Seminar- Probleme de nutriție contemporane.
	• Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele)	Coordonator lucrări de dizertație și doctorat Chun-Yi Hung M.Sc.– Dec. 2005 “Role of NMDA receptor competitive antagonist AP-5 on food intake” David Savastano Ph.D --Dec. 2005 “Serotonin type-3 receptor participation in nutrient-induced satiation” Matthew Hayes Ph.D -- Mai 2006 “CCK and serotonin interact to control intake: participation of 5-HT3 receptors” Bart DeJonghe Ph.D – Mai 2006 “Altered stimulatory and inhibitory feedback signals contribute to hyperphagia in CCK-1 receptor deficient OLETF rat.” Doug Guard MSc – Mai 2008 “NMDA receptors containing NR2B and/or NR2A subunits control food intake in the rat” Timothy Swartz MSc – Mai 2009 “Deficits in feeding and vagal responses in two rat models of obesity” Timothy Swartz Ph.D “Oral and post-oral determinants in obesity”. Frank Duca Ph.D.“Reduced sensitivity to satiation signals in control of food intake”.
		Coordonator lucrări de licență Melissa Carelle Mai 2004“5-HT3 participation in carbohydrate induced satiation” Carmine DiMartino August 2004 “Brief intermittent access to sucrose differentially modulates prepulse inhibition and acoustic startle response in obese CCK-1 receptor deficient rats” Fiona Chory Decembrie2005 “Decreased sensitivity to serotonin after chronic dietary fat” Brad Mathers: Mai 2008 “NMDA participation in control of food intake”. Eric Ahlers: Mai 2009 “Vagal contribution to glutamate modulation of food intake”. Christopher Carusso Mai 2009 NMDA subunit receptors in control of food intake

• Perioada	1996-2002	
• Locul de muncă	Washington State University, SUA, Programul de Neuroștiințe	
• Gradul didactic	Lector Universitar	
• Principalele activități și responsabilități	• cursuri susținute:	Nutriție Clinică
	• seminarii și laboratoare:	Fiziologie, Neuroștiințe
	• Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele)	Postdoctorat



• Perioada	1991-1994	
• Locul de muncă	University of Leeds, Anglia	
• Gradul didactic	Asistent doctorand	
• Principalele activități și responsabilități	• cursuri susținute:	Endocrinologie
	• seminarii și laboratoare:	Fiziologie
	• Lucrări licență, lucrări îndrumate pentru obținerea gradului didactic I (și altele)	Masterat și doctorat

• Perioada	1995-1996
• Locul de muncă	Champion Feed Services, Edmonton, Canada
• Domeniul de activitate	Consultații în Nutriție
• Funcția	Consultant în Nutriție
• Principalele activități și responsabilități	Nutriție, consultații în formule de nutriție
• Domenii de competență:	Administrație, nutriție, reguli sanitare veterinare

• Perioada	1991-1995
• Locul de muncă	University of Leeds, Anglia
• Domeniul de activitate	Cercetare
• Funcția	Asistent în cercetare
• Principalele activități și responsabilități	Cercetare de bază, asistat studenți în cercetarea de laborator
• Domenii de competență:	Fiziologie și Nutriție

• Perioada	1989-1991
• Locul de muncă	Direcția Agricolă, Suceava
• Domeniul de activitate	Industria animală
• Funcția	Inginer principal
• Principalele activități și responsabilități	Coordonator și responsabil al activității de producție și produse animale pe județ
• Domenii de competență:	Administrație, producție și produse animale, nutriție

• Perioada	1981-1988
• Locul de muncă	Avicola, Suceava
• Domeniul de activitate	Reproducție aviară
• Funcția	Șef de unitate
• Principalele activități și responsabilități	Coordonator și responsabil al întregii activități de producție și de personal
• Domenii de competență:	Administrație, nutriție, reguli sanitare veterinare

EDUCAȚIE ȘI FORMARE

STUDII UNIVERSITARE

• Perioada	1977-1981
• Instituția de învățământ	Institutul Agronomic Iași
• Specializarea	Facultatea de zootehnie și medicină veterinară
• Titlul obținut la absolvire	Inginer

L. Coșci

MASTERAT

• Perioada	1991-1992
• Instituția de învățământ	University of Leeds, Anglia
• Domeniul	Fiziologie și Nutriție
• Denumirea programului de studiu	Nutriție și comportamentul alimentar influențat de colecistokinină

DOCTORAT

• Instituția de învățământ coordonatoare	University of Leeds, Anglia
• Domeniul de doctorat	Fiziologie și Nutriție
• Titlul tezei de doctorat	Rolul colecistokininei în comportamentul alimentar
• Anul susținerii tezei	1994
• Titlul obținut la absolvire	Doctor în Științe

ALTE STUDII / STAGII DE PREGĂTIRE

• Perioada	1996-1998
• Instituția	Washington State University, Facultatea de Fiziologie și Farmacologie
• Denumirea programului de studii	Program de Neuroștiințe
• Calificarea obținută	Studii postdoctorale

COMPETENTE PERSONALE

Limba(i) maternă(e) Scrieți limba maternă : ROMÂNĂ

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
ENGLEZĂ	C1	C1	C1	C1	C1
FRANCEZĂ	B2	B2	B2	B2	A2

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat

Competențe de comunicare

- competențe de comunicare dobândite prin numeroase cursuri și seminarii de perfecționare de-a lungul carierei profesionale.

Competențe dobândite la locul de muncă

- Evaluarea și acreditarea programelor de studii
- Evaluare proiecte de cercetare instituționale și individuale

Competențe digitale

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat



PUBLICAȚII / PROIECTE DE CERCETARE

Publicații / Prezentări / Proiecte / Conferințe / Seminarii / Distincții / Afilierii / Referințe / Citări / Cursuri / Certificări

CAPITOLE DE CARTE

1. Covasa, M. Post-absorptive endocrine factors controlling food intake and regulation of body adiposity: animal research. In R.B.S. Harris and R.D. Mattes (eds). *Appetite and Food Intake: Behavioral and Physiological Considerations*. Taylor&Francis, 2008.
2. Covasa, M. & Ritter, R.C. Satiety in response to macronutrient signals from the intestine: mechanisms and implications for macronutrient selection. In H.R. Berthoud and R.J. Seeley (eds.): *Neuronal control of macronutrient selection*. CRC Press, Boca Raton, 1999.
3. Covasa, M & Swartz, T.D. The role of cholecystokinin (CCK) in eating behaviour. In Victor R. Preedy (Ed) *Handbook of Behavior, Diet and Nutrition*. Springer 2011.
4. Covasa, M & Swartz, T.D. The role of ghrelin in eating behaviour. In. Victor R. Preedy (Ed).. *Handbook of Behavior, Diet and Nutrition*. Springer 2011.
5. Covasa, M & Swartz, T.D. The role of glucagon-like-peptide-1 (GLP-1) in eating behaviour. In. Victor R. Preedy (Ed). *Handbook of Behavior, Diet and Nutrition*. Springer 2011.
6. Duca, F. Gérard.P. Covasa, M. Lepage, P. The metabolic interplay between gut bacteria and their host. *Frontiers of Hormone Research*. S. Karger Publishers, Basel, Switzerland, 2014.
7. Ovidiu Schipor, Oana Geman, Iuliana Chiuchisan and Mihai Covasa (2016). From Fuzzy Expert System to Artificial Neural Network: Application to Assisted Speech Therapy, *Artificial Neural Networks - Models and Applications*, Dr. Joao Luis Garcia Rosa (Ed.), InTech, DOI: 10.5772/63332..

ARTICOLE PUBLICATE CU FACTOR DE IMPACT (Reviews)

1. Leung, R.; Covasa, M. Do gut microbes taste? *Nutrients* 13(8): 2581, 2021
2. Gheorghita, R.; Anchin-Norocel, L.; Filip, R.; Dimian, M.; Covasa, M. Applications of Biopolymers for Drugs and Probiotics Delivery. *Polymers* 13(16), 2729, 2021, doi.org/10.3390/polym13162729
3. Luchian I, Goriuc A, Martu MA, Covasa M. Clindamycin as an Alternative Option in Optimizing Periodontal Therapy. *Antibiotics (Basel)*. 10(7):814, 2021, doi: 10.3390/antibiotics10070814.
4. Gheorghita Puscaselu R, Lobiuc A, Dimian M, Covasa M. Alginate: From Food Industry to Biomedical Applications and Management of Metabolic Disorders. *Polymers (Basel)* 12(10):2417, 2020 doi: 10.3390/polym12102417.
5. Napolitano M, Covasa M. Microbiota Transplant in the Treatment of Obesity and Diabetes: Current and Future Perspectives. *Front Microbiol*. 11:590370, 2020, doi: 10.3389/fmicb.2020.590370.
6. Arhire LI, Mihalache L, Covasa M. Irisin: A Hope in Understanding and Managing Obesity and Metabolic Syndrome. *Front Endocrinol (Lausanne)*10:524, 2019, doi: 10.3389/fendo.2019.00524. eCollection 2019.
7. Orellana ER, Covasa M, Hajnal A. Neuro-Hormonal Mechanisms Underlying Changes in Reward Related Behaviors Following Weight Loss Surgery: Potential Pharmacological Targets. *Biochem Pharmacol*.. pii: S0006-2952(19)30129-7, 2019
8. Covasa, M., Stephens, R., W., Todorean, T., Cobuz, C. Intestinal sensing by gut microbiota: targeting gut peptides. *Front. Endocrinol*. 10:82, 2019. doi: 10.3389/fendo.2019.00082.
9. Mazloom, K., Siddiqi, I., Covasa, M. Probiotics: How effective are they in the fight against obesity. *Nutrients* 11(2):258, 2019.
10. Stephens, R.W., Arhire L., Covasa, M. Gut Microbiota: From microorganisms to metabolic organ influencing obesity. *Obesity* 26: 801-809, 2018.
11. Zhong L, Zhang X, Covasa M. Emerging roles of lactic acid bacteria in protection against colorectal cancer. *World J Gastroenterol*. 20: 7878-7886, 2014.
12. Duca, FA, Sakar, Y., Covasa, M. The modulatory role of high fat feeding on gastrointestinal signals in obesity. *Journal of Nutritional Biochemistry* 24(10):1663-1677, 2013.
13. Duca FA, Covasa M. Current and emerging concepts on the role of peripheral signals in control of food intake and development of obesity. *Br. J. Nutr*, 13:1-16, 2012.
14. Covasa, M. Deficits in gastrointestinal responses controlling food intake and body weight. *Am J Physiol Regul Integr Comp Physiol*. 299:R423-439, 2010.
15. Covasa M. CCK- and leptin-induced vagal afferent activation: a model for organ-specific endocrine modulation of visceral sensory information. *Am J Physiol Regul Integr Comp Physiol*. 290: R1542-1545, 2006
16. Ritter, R. C., Covasa, M., and Matson, C.A. Cholecystokinin: Proofs and prospects for involvement in control of food intake and body weight. *Neuropeptides* 33(5): 387-399, 1999.
17. Forbes, J.M. & Covasa, M. Application of diet selection by poultry with particular respect to whole cereals. *World Poultry Science Journal* 51(2): 149-165 (1995).



ARTICOLE PUBLICATE CU FACTOR DE IMPACT (Research papers)

1. Lobiuc A., Sterbuleac, D., Sturdza O., Covasa, M. (2021). A Conservative Replacement in the Transmembrane Domain of SARS-CoV-2 ORF7a as a Putative Risk Factor in COVID-19. *Biology* 10:1276.
2. Lobiuc A, Dimian M, Gheorghita R, Sturdza O, Covasa M. (2021) Introduction and Characteristics of SARS-CoV-2 in North-East of Romania During the First COVID-19 Outbreak. *Front Microbiol.* 12:654417. doi: 10.3389/fmicb.2021.654417, 2021.
3. Luchian, I., Moscalu, M., Goriuc, A., Nucci, L., Tatarciuc, M., Martu, I., & Covasa, M. Using Salivary MMP-9 to Successfully Quantify Periodontal Inflammation during Orthodontic Treatment. *Journal of Clinical Medicine*, 10(3), 379, 2021.
4. Lobiuc, A.; Dimian, M.; Sturdza, O.; Filip, R.; Covasa, M. Emergence of first strains of SARS-CoV-2 lineage B.1.1.7 in Romania. *JMIRx Med.* 10.2196/28049. 2021.
5. Lobiuc, A, Pavel, I., Todorean, R., Avatamanitei, S., Covasa, M. Metagenomic Insights on the Role of Gut Microbiota in Type-2 Diabetes. E-Health and Bioengineering Conference (EHB), IEEE, DOI: 10.1109/EHB47216.2019.8970063, 2019.
6. Ciornei, R. T., Cobuz, C., Filipciuc, S., Albu, E., Covasa, M. Evaluation of Metabolic Syndrome in Type-2 Diabetes Mellitus and the Role of Gut Microbiota: the microDIAB Study. E-Health and Bioengineering Conference (EHB), IEEE, DOI: 10.1109/EHB47216.2019.8969991, 2019
7. Iatcu, C.O., Cosman, L., Dimian, M., Covasa, M. Dietary Patterns in Type-2 Diabetic Patients from Northeastern Romania. E-Health and Bioengineering Conference (EHB), IEEE, DOI: 10.1109/EHB47216.2019.8970056, 2019
8. German, O., Todorean, R., Lungu, M.M., Chichiusan, I., Covasa, M. Challenges in nutrition education using smart sensors and personalized tools for prevention and control of type 2 diabetes. IEEE 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME). DOI: 10.1109/SIITME.2017.8259943, 2017.
9. Wang, J.; Dong, X.; Cao, L.; Sun, Y.; Qiu, Y.; Zhang, Y.; Cao, R.; Covasa, M.; Zhong, L. (Association between telomere length and diabetes mellitus: A meta-analysis. *Journal of International Medical Research* 44(6): 1156-1173, 2016.
10. Duca FA, Katebzadeh S, Covasa M. Impaired GLP-1 signaling contributes to reduced sensitivity to duodenal nutrients in obesity-prone rats during high-fat feeding *Obesity (Silver Spring)* 11 :2260-8, 2015.
11. Duca FA, Swartz TD, Covasa M. Effect of diet on preference and intake of sucrose in obese prone and resistant rats. *PLoS One.* 9(10):e111232, 2014.
12. Sakar Y, Duca FA, Langelier B, Devime F, Blottiere H, Delorme C, Renault P, Covasa M. Impact of high-fat feeding on basic helix-loop-helix transcription factors controlling enteroendocrine cell differentiation. *Int J Obes (Lond).* 38(11): 1440-148, 2014.
13. Duca FA, Sakar Y, Lepage P, Devime F, Langelier B, Doré J, Covasa M. Replication of obesity and associated signaling pathways through transfer of microbiota from obese prone rat. *Diabetes* 63: 1-13, 2014.
14. Duca FA, Zhong L, Covasa M. Reduced CCK signaling in obese-prone rats fed a high fat diet. *Horm. Behav.* 64(5): 812-817, 2013.
15. Swartz, TD. Sakar, Y., Duca, FA., Covasa, M. Preserved adiposity in the Fisher 344 rat devoid of gut microbiota. *FASEB*, 27(4): 1701-1710, 2013.
16. Duca, F., Sakar, Y., Covasa, M. Combination of obesity and high-fat feeding diminishes sensitivity to GLP-1R agonist, Exendin-4. *Diabetes* 62(7): 2410-2415, 2013.
17. Duca, F., Swartz, TD., Sakar, Y., Covasa, M. Decreased intestinal nutrient response in diet-induced obese rats: role of gut peptides and nutrient receptors. *International Journal of Obesity* 37: 375-381, 2012.
18. Duca, F., Swartz, TD., Sakar, Y., Covasa, M. Increased oral detection but decreased intestinal signaling for fats in mice lacking gut microbiota. *PLoS ONE* 7(6):e39748, 2012.
19. Swartz, TD., Duca, F., de Wouters, T., Sakar, Y., Covasa, M. Upregulation of intestinal T1R3 and SGLT-1 expression and increased sucrose intake in mice lacking gut microbiota. *Br J Nutr* 107:621-630, 2011.
20. Wright, J., Campos, C., Herzog, T., Covasa, M., Czaja, K., Ritter, R.C. Reduction of food intake by cholecystokinin requires activation of hindbrain NMDA-type glutamate receptors. *Am. J. Physiol.* 301(2):R448-55, 2011.
21. Swartz TD, Savastano DM, Covasa M. Reduced sensitivity to cholecystokinin in male rats fed a high-fat diet is reversible. *J Nutr.* 140: 1698-1703, 2010.
22. Swartz, T.D., Duca, F., Covasa, M. Differential feeding behavior and vagal responses to CCK in obesity-prone and -resistant rats. *Brain Res.* 1308:79-86, 2010.
23. Swartz, T.D., Hajnal, A., Covasa, M. Increased orosensory sensitivity to oils in CCK-1 receptor deficient rats. *Physiol Behav.* 99:109-117, 2010.
24. Abraham, H., Covasa, M., Hajnal, A. Cocaine- and amphetamine-regulated transcript (CART) peptide immunoreactivity in the brain of the CCK-1 receptor deficient obese OLETF rat. *Experimental Brain Research* 96(4):545-56, 2009.
25. Guard, DB., Swartz, T.D., Ritter, R.C., Burns, GA., Covasa, M. Blockade of hindbrain NMDA receptors containing NR2 subunits increases sucrose intake. *American Journal of Physiology* 296(4): R921-928, 2009.
26. Guard, DB, Swartz, T.D., Ritter, R.C., Burns, GA., Covasa, M. NMDA NR2 receptors participate in CCK-induced reduction of food intake and hindbrain neuronal activation *Brain Research* 1266: 37-44, 2009.
27. Hajnal, A., Margas W. M. and Covasa, M. Altered dopamine D2 receptor function and binding in obese OLETF rat. *Brain Res. Bull* 75: 70-76, 2008.



28. Anderzhanova, E., Covasa, M. and Hajnal, A. Altered basal and stimulated accumbens dopamine release in obese OLETF rats as a function of age and diabetic status. *Am J Physiol Regul Integr Comp Physiol* 293: R603-R611, 2007.
29. Hajnal, A., Acharya NK., Grigson, PS, Covasa, M., Twining, RC. Obese OLETF rats exhibit increased operant performance for palatable sucrose solutions and differential sensitivity to D2 receptor antagonism. *Am J Physiol Regul Integr Comp Physiol*. 293: R1846-1854, 2007
30. Hajnal, A., DeJonghe BC and M. Covasa. Dopamine D2 receptors contribute to increased avidity for sucrose in obese OLETF rats lacking CCK-1 receptors. *Journal of Neuroscience*. 148:584-592, 2007.
31. Hayes M, Miller CK, Ulbrecht JS, Mauger JL, Parker-Klees L, Gutschall MD, Mitchell DC, Smiciklas-Wright H, Covasa M. A carbohydrate-restricted diet alters gut peptides and adiposity signals in men and women with metabolic syndrome. *Journal of Nutrition* 137:1944-1950, 2007.
32. Savastano, D.M., Covasa, M. Intestinal nutrients elicit satiation through concomitant activation of CCK1 and 5-HT3 receptors. *Physiol Behav*. 92: 434-442, 2007.
33. Miller CK, Ulbrecht JS, Lyons J, Parker-Klees L, Gutschall MD, Smiciklas-Wright H, Mitchell, DC, Covasa M, Hayes, MR. A reduced-carbohydrate diet improves outcomes in patients with metabolic syndrome: a translational study. *Topics in clinical nutrition* 22:82-91, 2007.
34. De Jonghe BC, Hajnal A, Covasa M. Conditioned preference for sweet stimuli in OLETF rats: effects of food deprivation. *Am J Physiol Regul Integr Comp Physiol*. 292: R1819-1827, 2007.
35. Savastano, DM, Hayes MR, Covasa M. Serotonin-type 3 receptors mediate intestinal lipid-induced satiation and Fos-like immunoreactivity in the dorsal hindbrain. *Am J Physiol Regul Integr Comp Physiol*. 292: R1063-1070, 2007.
36. Hayes MR, Covasa M. Dorsal hindbrain 5-HT3 receptors participate in control of meal size and mediate CCK-induced satiation. *Brain Res*. 1103:99-107, 2006.
37. De Jonghe BC, Hajnal A, Covasa M. Decreased gastric mechanodetection, but preserved gastric emptying, in CCK-1 receptor deficient OLETF rats. *Am J Physiol Gastrointest Liver Physiol*. 291:G640-649, 2006.
38. Hayes MR, Covasa M. Gastric distension enhances CCK-induced Fos-like immunoreactivity in the dorsal hindbrain by activating 5-HT3 receptors. *Brain Res*. 1088:120-130. 2006
39. Hayes MR, Chory FM, Gallagher CA, Covasa M. Serotonin type-3 receptors mediate cholecystokinin-induced satiation through gastric distension. *Am J Physiol Regul Integr Comp Physiol*. 291:R115-123, 2006.
40. Hung CY, Covasa M, Ritter RC, Burns GA. Hindbrain administration of NMDA receptor antagonist AP-5 increases food intake in the rat. *Am J Physiol Regul Integr Comp Physiol*. 290: R642-651, 2006.
41. M. Covasa. CCK- and leptin-induced vagal afferent activation: a model for organ-specific endocrine modulation of visceral sensory information. *Am J Physiol Regul Integr Comp Physiol*. 290:R1542-1545, 2006.
42. Savastano, DM., and M. Covasa. Adaptation to high-fat diet leads to hyperphagia and diminished sensitivity to cholecystokinin in rats. *J. Nutrition* 135:1953-1959, 2005.
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97. Ritter, R. C., Covasa, M., and Burns, G. A. Gastric participation in increased food intake following NMDA receptor blockade. *Soc. Neurosci. Abstr.* 25(2): 1884, 1999.
98. Burns, G. A., Covasa, M., and Ritter, R. C. Increased food intake following NMDA receptor blockade does not depend on impaired intestinal nutrient detection. *Soc. Neurosci. Abstr.* 25(2): 1884, 1999.
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101. Covasa, M., and Ritter, R. C. Adaptation to a high protein diet attenuates suppression of food intake by CCK. *Appetite* 33: 242-243, 1999.
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104. Covasa, M. Grahn, J. & Ritter, R.C. Attenuated oleate-induced fos expression in brain and enteric plexus of rats maintained on high fat diet. *Appetite* 31(2): 266, 1998.
105. Covasa, M. & Ritter, R.C. CCK receptor antagonist abolishes suppression of feeding by intestinal nutrients in animals adapted to a high fat diet. *Appetite* 31(2): 272, 1998.
106. Ritter, R.C. & Covasa, M. Variation in neuronal sensitivity to CCK: Implications for control of food intake and body weight. *Appetite* 31(2): 260, 1998.
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108. Covasa, M., Brenner, L. & Ritter, R.C. Reduced satiety and altered pancreatic acinar response to CCK in rats adapted to high fat diet. *Appetite* 29(3): 393, 1997.
109. Covasa, M. & Ritter, R.C. Adaptation to high fat diet alters suppression of food intake by intraduodenal fat and carbohydrate. *Appetite* 29(3): 392-393, 1997.
110. Ritter, R.C., Covasa, M and Brenner, L. Nutrient specific intestinal sensation and its potential contribution to control of macronutrient intake. 17th European winter conference on brain research: 93 (1997).
111. Covasa, M., Grahn, J. & Ritter, R.C. Attenuated cholecystokinin satiety and hind brain fos expression following adaptation to high fat diet in rats. *Neuroscience Abstr.* 23(2): 1074. (1997).
112. Brenner, L.A., Covasa, M., Ritter, R.C. Dietary adaptation increases digestive capacity and decreases satiety response to macronutrients. *Neuroscience Abstr.* 23 (1): 253. (1997).
113. Burns, G.A., Covasa, M. and Ritter, R.C. Vagal sensory participation in delayed satiety following NMDA receptor blockade: evidence for a glutamatergic satiety mechanism. *Neurosci. Abstr.* 23(1):250. (1997).
114. Covasa, M. & Ritter, R.C. Adaptation to fat attenuates suppression of food intake by CCK and bombesin. *Appetite* 27(3): 271, 1996.
115. Covasa, M. & Forbes, J.M. The effect of social interaction on selection of feeds by broiler chickens. *British Poultry Science* 48:234 (1994).
116. Covasa, M. & Forbes, J.M. The effect of prior training of broiler chickens on diet selection using whole wheat. *Animal production* 58(3): 471 (1994).
117. Covasa, M.& Forbes, J.M. The effect of the CCK receptor antagonist MK-329 given intravenously on food intake in chickens. *Journal of Physiology* 467: 204P (1993).
118. Covasa, M.& Forbes, J.M. The effect of vagotomy on the satiety effects of CCK-8 and conditioned colour aversion in chickens. *Journal of Physiology* 467: 205P (1993).
119. Covasa, M.& Forbes, J.M. Cholecystokinin octapeptide suppresses feeding and conditions colour aversion in chickens. *The Proceedings of the Nutrition Society* 52 (1): 30A (1993).
120. Covasa, M.& Forbes, J.M. Increased food intake after intraperitoneal injections of CCK receptor antagonist MK-329 in chickens. *British Poultry Science* 35: 178 (1993).
121. Covasa, M.& Forbes, J.M. The effect of food deprivation, time of exposure and type of feed on diet selection of broiler chickens. *Proceedings of the Nutrition Society* 52(3): 380A (1993).
122. Covasa, M.& Forbes, J.M. (1993). Exposure to choice feeding at different ages and the subsequent choice of broiler chickens. *Proceedings of the Nutrition Society* 52(3): 354A (1993).



Proiecte de cercetare

1. PN-III-P2-2.1-SOL-2020-0142 Secvențierea genomului SARS-CoV-2 și analiza filogenetică a tulpinilor circulante în România. 2020-2022.
2. Personalized prevention tools in obesity and diabetes, a joint Romanian-Ukrainian program of health education. 2SOFT/4.1/56; 2020-2022.
3. PCE-2012-4-0608 IDEI 2012-2016. Analiza unor noi factori de risc ce influențează controlul ingestiei alimentelor și reglarea greutateii corpului.
4. 423-12 (RO1-DK52849-05) July 2008- Iunie 31, 2013. Grand Total \$1, 860,448. NIDDK/DDDN. Total subcontracting to my laboratory: \$350,500. This is a collaborative grant between my laboratory and Washington State University. The role of glutamate in the control of food intake
5. French Institute of Agricultural Research. 2009-2013. Grand Total \$600,000. Role: PI. The role of microbiota in control of food intake and energy homeostasis
6. 423-12 55JT (RO1-DK065709-01) 2011-2016. Role PI. Dopamine mechanisms in development of type-2 diabetes
7. POC nr. 120/16.09.2016 /Analiza interrelației dintre microbiota intestinală și gazdă cu aplicații în prevenția și controlul diabetului de tip 2 (acronim: microdiab)
8. 5-HT3 receptor mediation of 5-HT and CCK-induced satiation. F31 NS 051868 (M. Hayes, Sponsor: Covasa) NIH/NINDS 06/01/2005 – 05/31/2008. The major goal of this project is to identify the gastric involvement of 5HT-3 receptors mediation of cholecystokinin-induced satiation.
9. NCI 25XS101. National Cancer Institute (PI: T. Hartman, Co-PI: M. Covasa). 9/05- 9/07. The effects of a high legume low glycemic index diet on insulin resistance and inflammation in patients at high risk for colorectal adenoma recurrence. National Cancer Institute, NIH. 2006 costs - \$175000; total costs - \$400000. Role:Co-PI
10. The Pennsylvania State University, College of Health and Human Development. Mihai Covasa (PI) 01/01/03-12/31/03. \$14,985. Reduced sensitivity to satiation signals.
11. 2008-2009 Social Science Institute, The Pennsylvania State University, Total \$55,000. PI: David Vandenberg. Role Co-PI. Nicotine's Effects on Obesity and Addiction in a Mouse Model. "Are Agouti Mice a Canary-in-the-Coal-Mine of Obesity and Addiction Research?"
12. PA Department of Health. Tobacco Formula Funded Health Research. 2003-2006, Total \$ 230, 861. PI: R. Norgren, Role Co-PI. Consortium on Nutritional Neuroscience.

Proiecte de cercetare (sub recenzare 2021)

1. NIDDK R01 13467498. Total funds requested: \$1,901,956. Role PI. The role of gut microbiota and its metabolites in food reward after gastric bypass

APARTENENȚA LA ORGANIZAȚII ȘI ASOCIAȚII PROFESIONALE

Membru în Societăți Profesionale

a. Organizații Naționale

- Societatea pentru Studiul Comportamentului alimentar
- Societatea pentru Neuroștiințe
- Societatea Americană de Fiziologie
- Societatea Americană pentru Nutriție clinică
- Societatea Americană pentru Nutritie

b. Universitatea de Stat din Pennsylvania

- Membru al Institutului de Științe ale Vieții
- Inițiativa privind Obezitatea Infantilă în Pennsylvania
- Grup țintă: Alunni în clasă
- Membru în Consorțiul Neuroștiințelor Nutriționale
- Membru al Institutului de Neuroștiințe
- Institutul de Diabet și Obezitate din Pennsylvania

c. Universitatea Western

- Institutul de Diabet al Universitatii Western
- Colegiul de Științe Biomedicale

Membru al facultății în următoarele programe:

- Program de Doctorat în Științe Nutriționale (2002-2009)
- Program de Doctorat în Fiziologie (2002-2009)



- Program de Doctorat în Neuroștiințe (2006-2009)
- Nutrition Sciences Option of the IBIOS (2002-2006)
- Neuroscience Option of the IBIOS (2002-2006)
- GCBS Western University (2011-prezent)

Internațional

- University Pierre et Marie Curie, Paris, France
- Program de Doctorat în Fiziologie
- Comitet Științific al Evaluării, Universitatea „Ștefan cel Mare”, Suceava, România
- Consiliul Științific Consultativ, Institutul Național de Cercetare-Dezvoltare pentru Bioresurse Alimentare, București, România

SPECIALIZĂRI ÎN STRĂINĂTATE

Participare la seminarii și workshopuri / Dezvoltare Didactică

2009-2010

- Săturare și sațietate. Workshop. Ecully, Lyon, France
- Nutriție și Sănătate. Workshop. Praz-Sur-Arly, France
- Alimentație și sănătatea tubului digestiv. Workshop. Institutul de Cercetări Alimentare, Norwich, UK.

2008

- Wednesday, Ianuarie23: “Generational differences between learners”, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Tuesday, Martie18: Just a Clicker away: Using clickers to improve student learning, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Thursday, Martie27 Being There - Human to Human Interaction in the Classroom, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Wednesday, Aprilie 16, E-communicating with students: Are social sites impacting educational communication? offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Wednesday, September 17, What Can I Do? Addressing Classroom Management Issues, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Thursday, October 9, Critical Reading: Strategies that Encourage Students to Read, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Thursday, November 13, Recognizing and Helping Students in Distress, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Wednesday, Decembrie3, Teaching and Learning with Assertion-Evidence PowerPoint Slides, offered by the Schreyer Institute for Teaching Excellence. Role: participant.

2007

- Februarie1, 2007: “Penn State Students Reflect on their Best Learning Experiences: Student Panel,” offered by the University Fellowship Office and University Learning Centers. Role: participant.
- Martie7, 2007: “Classroom Assessment,” offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- Aprilie 10, 2007: “Technology Roundtable,” offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- October 4, 2007: Why Collect Mid-semester Feedback?, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- October 31, 2007: “Businesses Love It / Students Hate It: Team-based Learning”, offered by the Schreyer Institute for Teaching Excellence. Role: participant.
- November 14, 2007: “Academic Integrity: Promoting an environment of trust in the classroom?”, offered by the Schreyer Institute for Teaching Excellence. Role: participant.

2006

- Teaching Luncheon: Resources and Strategies for Helping Students Work in Teams - 2/10/2006
- Teaching Luncheon: Inspiring Your Students Through Research - 3/24/2006
- Teaching Luncheon: Teaching With Technology: Where Are We Now? - 4/6/2006
- Teaching Luncheon: Instructor Bias or Academic Freedom?: Finding Good Boundaries for the Classroom - 4/24/2006
- Teaching Luncheon: Creating a Classroom Climate that Fosters Civility - 9/13/2006
- Teaching Luncheon: Test Better, Teach Better: How testing can influence teaching effectiveness -10/12/2006
- Teaching Luncheon: Academic Integrity Luncheon-11/14/06



2005

- Participant, Aprilie 13, 2005: "Writing Recommendation Letters for Undergraduates: Issues and Strategies, workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, Mai 06, 2005: "Penn State Diabetes Research Day," one day conference organized by the PSU Diabetes Center.
- Participant, September 1, 2005: "Unprepared Students: Taking Action Before It Is Too Late," workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, October 12, 2005: "Using Computer-Based Testing To Improve Learning: Which Tool Best Fits Your Needs?" workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, October 25, 2005: "RATs, CATS, and Other Animals For Assessing Student Mid-Semester Progress", workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, November 14, 2005: "Resources for Improving the Climate for Academic Integrity", workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, Decembrie2, 2005: "How Can We Do A Better Job Describing Expected Outcomes In Our Courses?" workshop offered by the Schreyer Institute for Teaching Excellence.

2004

- Participant, Ianuarie26, 2004: "Looking for New Approaches to Assess Learning" workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, Februarie11, 2004: "The Teaching Portfolio: A Practical Guide to Improved Performance and Promotion/Tenure Decisions" workshop (Dr. Peter Seldin, Pace University) offered by the College of Health and Human Development.
- Participant, Martie2, 2004: "Playing to Your Strengths: Discovering the Teaching/ Advising Link", workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant Aprilie 12, 2004: "Bridging the Gap Between Teaching Assessment and Teaching Improvement", workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, Mai 5, 2004: "More Instructional Strategies for Teaching with Technology", workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, October 12, 2004: "Developing a Successful Program of Research" workshop offered by the College of Health and Human Development.
- Participant, November 11, 2004: "Learning from the Tests and Assignments You Give", workshop offered by the Schreyer Institute for Teaching Excellence.
- Participant, Decembrie8, 2004: "What the Best College Teachers Conduct Class?" workshop (Dr. Ken Bain, New York University) offered by the College of Health and Human Development.

2003

- Participant, Decembrie9, 2003. "Strategies for Managing On-line Courses," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, ToamnaSemester, 2003, September16 – November 19. "Certificate for Teaching Excellence" the Penn State Course in College Teaching, offered by the Schreyer Institute for Teaching, a 10 week seminar, combining elements of teaching practicum with pedagogy of teaching.
- Participant, November 19, 2003. "Developing Communities of Practice to Support Student Learning," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, October 30, 2003. "Developing Students' Capacity for Examining Their Own Cultural Identities," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, October 13, 2003. "Creating Tests that Target Course Objectives," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, October 2, 2003. "Motivating Students to Come to Class Prepared," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, September 16, 2003. "Course in College Teaching," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, September 9, 2003. "Projects to Integrate Research in the Undergraduate Classroom," seminar for faculty and instructors from the Schreyer Institute for Teaching Excellence.
- Participant, Mai, 14, 2003. "Colloquia IX "Making Connections: Campus Cultures That Foster Student Learning," from the Schreyer Institute for Teaching Excellence.

2002

- Participant, Februarie19, 2002. "ANGEL Overview," seminar for faculty from the Center for Education Technology Services.
- Participant, Februarie26, 2002. "Using ANGEL for Course Logistics," seminar for faculty from the Center for Education Technology Services.



- Participant, Martie12, 2002. "Using ANGEL for Course Communication," seminar for faculty from the Center for Education Technology Services.
- Participant, Martie19, 2002. "Using ANGEL for Course Feedback and Student Management," seminar for faculty from the Center for Education Technology Services.
- Participant, October 25-26, 2002: "Noll Summit: Health Implications of Physical Activity", organized by Noll Physiological Research Center, Oct 25-26, 2002.

PARTICIPĂRI LA CONFERINȚE NAȚIONALE ȘI INTERNAȚIONALE REPREZENTATIVE

Dezvoltare Profesională

- Oct 25-26, 2002. Noll Laboratory Summit on "Health implications of physical inactivity, physiology, nutrition and behavior". Invited participant.
- Aprilie 20-24, 2002 Experimental Biology Meeting. Invited speaker for the American Association of Anatomists.
- August 7-11, 2002 Society for the Study of Ingestive Behavior Annual meeting, Santa Cruz, CA. Presenter.
- November 2-7, 2002 Society for Neuroscience Annual Meeting, Orlando, Florida. Presenter.'
- July 15-19, 2003 Society for the Study of Ingestive Behavior Annual meeting, Groningen, The Netherlands. Presenter.
- November 8-12, 2003 Society for Neuroscience Annual Meeting, New Orleans, LA. Presenter
- Aprilie 17-21, 2003 Experimental Biology Meeting, Washington DC. Presenter.
- July 20-24, 2004 Society for the Study of Ingestive Behavior Annual meeting, Cincinnati, OH. Presenter.
- October 23-27, 2004 Society for Neuroscience Annual Meeting, San Diego, LA. Presenter
- Martie31-Aprilie 5, 2005, Experimental Biology Annual Meeting, San Diego, CA. Presenter.
- July 12-17, 2005, Society for the Study of Ingestive Behavior Annual Meeting, Pittsburgh, PA. Presenter.
- November 12-16, 2005, Society for Neuroscience 35 Annual Meeting, Washington D.C. Presenter.
- July 18-22, 2006, Society for the Study of Ingestive Behavior Annual Meeting, Naples, FL. Presenter.
- Oct 14-18, 2006, Society for Neuroscience 36 Annual Meeting, Atlanta, Georgia. Presenter.
- July 24-29, 2007, Society for the Study of Ingestive Behavior Annual Meeting, Steamboat, CO. Presenter.
- November 3-7, 2007, Society for Neuroscience 37 Annual Meeting, San Diego, CA. Presenter.
- July 15-19, 2008, Society for the Study of Ingestive Behavior Annual Meeting, Paris, France. Presenter
- November 15-19, 2008, Society for Neuroscience 38 Annual Meeting, Washington D.C. Presenter.
- October 17-21, 2009 Society for Neuroscience 39 Annual Meeting, Chicago. Presenter.
- Iunie 2009 Benjamin Franklin Lafayette Seminars. Frejus, France,
- July 3-7, 2010 Ascona Workshop, "The Intestinal Wall: the regulatory interface in energy homeostasis" Ascona, Switzerland.
- July 13-17, 2010. Society for the Study of Ingestive Behavior Annual Meeting, Pittsburgh, Presenter.
- Nov. 13-17, 2010 Society for Neuroscience 40th Annual Meeting, San Diego.

Dezvoltare în Tehnologia Informației

- Toamna 2002 - Primavara 2003 Technology Learning Assistants Program.
- 2/19/2002 Center for Education Technology Services. Seminar:"Angel Overview".
- 2/26/2002 Center for Education Technology Services. Seminar:"Using ANGEL for Course Logistics".
- 3/12/2002 Center for Education Technology Services. Seminar:"Using ANGEL for Course Communication".
- 3/19/2002 Center for Education Technology Services. Seminar:"Using ANGEL for Course Feedback and Student Management".

Activități de comunitate

- Toamna 2002. Continuing professional education for registered dieticians. Organized 13 colloquium lectures and offered continuing education credits to PA registered dieticians.
- 2003 Member of Penn State Childhood Obesity Initiative.
- 2003 Member of the Focus Group: Alumni in the classroom
- 2002-2009, member of the Penn State Institute for Diabetes and Obesity
- 2002-2009, member of the Penn State Neuroscience Institute

EDITOR ACADEMIC

1. Academic Editor PLOS ONE
2. Academic Editor American Journal of Physiology
3. Academic Editor Nutrients
4. Academic Editor Frontiers in Physiology
5. Academic Editor Microorganisms
6. Member Editorial Board, University of Suceava, Romania.



7. Member Doctoral School program committee, University of Suceava, Romania
8. Member, scientific board committee, Institute of Bioresources, Bucharest, Romania
9. Member scientific panel discussion: international collaborations in translational research, Bucharest, Romania
10. Participated in developing the « working paper » for 2012 BBSRC/INRA/WUR Workshop for the Health theme of FP7, Norwich, UK.

Recenzor pentru publicații de specialitate

- American Journal of Physiology
- Appetite
- British Journal of Pharmacology
- Physiology and Behavior
- Physiology, Pharmacology and Behavior
- Journal of Neurophysiology
- Peptides
- Brain Research
- Pharmacological Research
- Regulatory Peptides
- Journal of Nutrition
- Nutritional Neuroscience
- Neuroscience
- Neuroscience Letters
- Journal of Autonomic Neuroscience
- European Journal of Neuroscience
- Neuropeptides
- Neuroscience Research
- Neurochemistry International
- Endocrinology
- Obesity Research
- Diabetes
- International Journal of Obesity
- Psychopharmacology
- Medical Principles and Practice
- PlusOne
- Medical Science Monitor
- Hormones and Behavior
- Neurogastroenterology and Motility
- Nutrition and Diabetes
- Neuropharmacology
- British Journal of Nutrition
- Nutrition Research
- Molecular and Cellular Endocrinology
- Biochimica et Biophysica Acta (BBA)- General Subjects
- Current Opinions in Microbiology
- Expert review of endocrinology and metabolism
- Molecular Nutrition and Food Research
- Obesity Research and Clinical Practice
- Gastro Open
- Nutrients
- Microorganisms

Recenzor pentru proiecte

- National Institute of Health, Bethesda, USA
- United States-Israel Binational Science Foundation (BSF)
- National Research Council Canada
- UEFISCDI, National Research Agency, Romania
- The Wellcome Trust, UK
- Alberta Biosolutions, Canada
- Swiss National Research Foundation
- Association for International Cancer Research (AICR), UK.
- Graduate School, AgroParisTech, Paris, France
- Dutch Science Foundation, Netherland
- National Agency for Research France



- United Arab Emirates
- Israel Science Foundation

Invitat al evenimentelor în calitate de speaker

- Noiembrie 12-13, 2021. Keynote speaker. "The power of fecal transplants: current approaches for treatment". Congress in Management and Nutrition Intervention, Targu Mures, Romania.
- Martie 16, 2021. Keynote speaker. "Exercise in prevention and management of type 2 diabetes". Conference on Health Education, Vasyl Stefanyk University, Ukraine.
- March 17, 2021. Keynote speaker. "Recent advances in contemporary nutrition". Conference on Health Education, Vasyl Stefanyk University, Ukraine.
- Oct 24, 2019. Keynote speaker. "Host-Microbiota Interaction in Obesity". World Congress in Obesity and Nutrition, Osaka, Japan
- Oct. 18, 2018. Invited speaker. "Obesity at the intersection between intestinal microflora and food". Technical University of Moldova, Chisinau, Moldova.
- Aprilie 26, 2016. Invited seminar: "Emerging role of probiotics in health and disease". Second World Conference on scientific research. University of Timisoara, Romania
- Aprilie 9, 2016. Invited seminar: The gutsy brain: a two-way street for food choices". Graduate College of Biomedical sciences, Western University of Health Sciences
- Iunie 15, 2015: Keynote speaker: The role of microbiota in health and disease. University of Hebei, China
- Mai 23, 2015. Invited seminar: The gut microbiota: a friend or a foe. University of Sharjah, United Arab Emirates.
- Nov. 14, 2014. Invited seminar: "Gut microbiota and metabolic dysbiosis" Obesity Center, St. Luke Hospital, New York, USA
- Nov. 13, 2014. Invited seminar: "Gut microbiota and intestinal signaling in obesity" Columbia University, New York, USA
- Sept 12, 2014. COMP seminars: "The world within: gut microbiota, the new player in obesity". Western University of Health Sciences, College of Medicine, Pomona, CA.
- Oct 25, 2013. Invited Seminar lecture: Microbiota and the gut-brain axis. AgroParisTech, Department of Human Nutrition, Paris, France.
- Oct 21, 2013. Invited Seminar lecture: Signals controlling food intake and energy homeostasis in relation to obesity. University Marie Curie, Paris, France
- Iunie 9, 2013. Invited talk. Hubei University, China. Gut microbiota and its future therapeutics.
- Iunie 7, 2013. Invited speaker. GeneHealth, Shijiazhuang, China. Why obesity treatment has failed: the future of individualized approach in disease treatment".
- Iunie 11, 2013. Invited speaker. Combined strategies in prevention, diagnosis and treatment of diabetes. Diabetes and Kidney Hospital. Shijiazhuang, China.
- Mai 29, 2013. Invited symposium speaker. 33rd Blankenese Conference: Nutrient sensing from brain to gut. Hamburg, Germany.
- Mai 9, 2013. Invited symposium speaker. Annual meeting of the European Society for Pediatric Gastroenterology, Hepatology and Nutrition, London, Mai 8-11, 2013. Intestinal microbiota and nutrient signaling.
- Feb 3, 2013. Invited talk. Absence of gut microbiota does not always protect against obesity. INRA, Institute Micalis.
- Nov. 22, 2012. Seminar lecture: Nutrients and health. University of Suceava, Department of Health and Human Development.
- Nov 27, 2012. Invited seminar lecture. Neural control of food intake. AgroParisTech, Department of Human Nutrition, Paris, France
- Sept. 25-28, 2012. Chaired symposium and moderator: "Translational research and new technology in clinical research". Nutrition and Health Conference. Bucharest, Romania
- Sept. 25-28, 2012. Invited symposium speaker: "The role of nutrients in satiation in normal and pathological states such as obesity and diabetes". Nutrition and Health Conference. Bucharest, Romania.
- Sept. 3-4, 2012. Keynote speaker "Obesity and the gut microbes: what comes first?" Cross-Talk Conference, Paris, France: The disruption of the war metaphore of human-microbe"
- Martie 20, 2012. Invited workshop lecture: How to write a scientific paper. How to write a grant. University of Suceava, Romania.
- Martie 14, 2012. Distinguished invited seminar: Reduced sensitivity to satiation signals in obesity. United Arab Emirates University, Department of Nutrition.
- Dec 15, 2011. INRA, Micalis: Microbiota and Food Intake
- Dec 18, 2011. Gut sensing and microbiota in appetite regulation and obesity. INRA, France, Department of Human Nutrition, Microbiology Institute.
- Dec. 17, 2011 Physiology of eating disorders. Department of Human Nutrition, Master in Nutrition Program. AgroParisTech, Paris, France.
- Oct. 17, 2011 Homeostatic and non-homeostatic control of food intake. Department of Human Nutrition, Master in Nutrition Program. AgroParisTech, Paris, France.
- Oct 18, 2011, Invited talk: Signals controlling food intake and energy homeostasis in relation to obesity. Master Nutrition Program. Marie Curie University, Paris, France.
- Februarie 10, 2011 Invited talk: Deficits in signaling controlling food intake: from nutrients to microbes. French National Research Institute. Micalis symposium. Jouy en Josas, France.
- Ianuarie 28, 2011. Invited talk: Deficits in signaling controlling food intake: from nutrients to microbes. University of North Carolina at Chapel Hill. Nutrition Research Institute, Kannapolis, NC.



- Decembrie 11, 2010. Modulation of cephalic and intestinal taste by luminal factors. Korean Society for Neuroscience. Invited plenary session speaker. Seoul 8-11, 2010
- Decembrie 9, 2010. Changes in sensitivity to satiation signals by diet and intestinal luminal factors. Kang Neung-Wonju University, South Korea.
- Iunie 20, 2010. Changes in sensitivity to satiation signals by diet and intestinal luminal factors. Ascona workshop: The intestinal wall - "the" regulatory interface in energy homeostasis. Iunie 20-25, Ascona, Switzerland.
- Mai 13, 2010. Altered sensitivity to signals controlling food intake and body weight. Auburn University. Department of Nutrition.
- Mai 11, 2010. The gut-brain axis and control of ingestion. Nuscisco seminar. Marie Curie Program. Paris, France.
- Martie 25, 2010. Knowing when to stop: deficits in satiation signals. Western University of Health Sciences, California, USA.
- Februarie 15, 2010. Differential satiation and gut signaling. AgroParisTech, Paris. Physiology of Ingestive Behavior Laboratory.
- November 2009. Altered stimulatory and inhibitory signals in obesity. University of Suceava, Romania.
- Iunie 2009, Benjamin Franklin Lafayette Seminars. "Altered feeding and vagal responses in dietary induced obese rats. Frejus, France. Iunie 21-26, 2009.
- Februarie 2009. Control of food intake by gut microbiota. French National Research Institute, Division of Physiology, Paris, France. November 2008. Gut signaling in the control of food intake. French National Research Institute, Division of Physiology, Paris, France.
- Martie 2007. Brain Awareness Week Special Lecture. Symposium on "Nutrition and the Brain: Neuroscience of Food Intake and Body Weight Regulation" 13-19 Martie 2007, Cluj, Romania. What makes us stop eating: signals that control food intake and body weight.
- Martie 23, 2007. The Penn State University, Animal science department seminar series: Knowing when to stop: controls of meal size.
- Hajnal, A., Kovacs, P., Covasa, M., and Cooney, R.N. Effects of obesity and gastric bypass surgery on taste preferences and neuronal code for sweet taste in a rat model of type-2 diabetes. Diabetes Research retreat, University Park, PA. Aprilie 13, 2007.
- Hajnal, A., Kovacs, P., Meirelles, K., Covasa, M., Cooney, R.N. Gastric bypass surgery restores altered neuronal coding for sweet taste in obese OLETF rats. Neuroscience Day, PSU Hershey, Oct 19-20, 2007.
- Guard, D.B., Covasa, M. Increased food intake evoked by DVC injection of NR2B, NR2C/NR2D preferring NMDA receptor antagonists. Neuroscience Day, PSU Hershey, Oct 19-20, 2007.
- Iunie 2006. Benjamin Franklin Lafayette Seminars. "Altered stimulatory and inhibitory feedback signals following chronic adaptation to dietary fats". Frejus, France. Iunie 18-23, 2006.
- September 16-17 2006. Penn State University Neuroscience Days. M.S. Hershey Medical Center. "Hypersensitivity to the inhibitory feeding effects of dopamine receptor antagonism in the obese OLETF rat".
- Ianuarie 2005. "Obesity in the CCK-1 receptor deficient rat: A model for both orosensory and postgastric signaling in preferred food intake", Graduate Seminar in Neuroscience, Hershey Medical Center, Ianuarie 13, 2005.
- Decembrie 2005. "The Drive to Eat: Beyond Energy Balance." Colloquium Series, Department of Nutritional Sciences, Pennsylvania State University, Decembrie 5, 2005.
- Martie 2004. "What makes us stop eating: Signals that control food intake and body weight", Penn State Diabetes Research Seminar, Martie 18, 2004.
- Oct 2004. "Gastric mechanoreception and serotonin", Neuroscience Seminar, Department of Psychology, University of Pennsylvania, October 22, 2004.
- Nov 2003. "Is Ghrelin a physiologic signal?" Society for Neuroscience, Society for the Study of Ingestive Behavior, 33rd annual meeting, New Orleans, November 2003.
- Toamna 2003. "Reduced sensitivity to satiation signals in control of food intake." Department of Neural and Behavioral Sciences, College of Medicine, Hershey Medical Center, Pennsylvania State University.
- 2002. "The enteric nervous system and the control of food intake." The American Association of Anatomists, Experimental Biology Meeting, New Orleans.
- Toamna 2002. "Dietary adaptation in control of body weight." Physiology Forum, Pennsylvania State University, University Park, PA.
- Toamna 2002. "Obesity epidemic: guts and lifestyle." Colloquium Series, Nutrition Department, Pennsylvania State University.

Activități administrative

Comisie pe Facultate

- Scholarship Committee (2005-2008)
- Department Head search committee (2005-2007)
- Chair Faculty Assembly (2021)
- Chair, Grievance Committee (2017-current)
- IACUC committee (2011-2017)
- Awards committee (2012-2013)
- Admission committee (2014-2017)
- Curriculum assessment committee (2015- 2018)
- GCBS MS track committee (2013-2014)

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- University Grievance Committee-Chair (2016-present)
- University Faculty Handbook Committee (2020- present)
- University Intellectual Property Committee (2020-present)

Comisie pe Departament

- Ruth Pike Lectureship (2002-2005)
- Executive Committee (2006-2010)
- Future Committee (2006-2007)
- Curriculum Committee (2006-2009)
- Admission Committee (2005-2006)
- Equipment Committee (2007-2010)
- Course Assessment Committee (2007-2010)
- Consiliul Administrativ al DSDU

Comisie pe Recrutare

- Search Committee Nutritional Neuroscience Faculty Candidate (2002-2003)
- Search Committee Nutritional Neuroscience Faculty Candidate (2005)
- Search Committee Head of Department (2005-2006)

Program de Doctorat în Nutriție

- Admissions Committee (2003-2006)
- Curriculum Committee (2005-2007)

Program de Doctorat în Fiziologie

- Admissions Committee (2003-2006)

Membru al facultății în următoarele programe:

- Graduate Program in Nutritional Sciences
- Graduate Program in Physiology
- Nutritional Sciences Option of the IBIOS
- Neuroscience Sciences Option of the IBIOS
- Member of the Neuroscience Institute
- Member of the Diabetes Center
- Member of the Obesity Center
- Graduate Program Physiology and Pathophysiology (Marie Curie University, Paris, France, 2010-present).
- Graduate School, University of Suceava, Romania 2011-present
- Member of Western Diabetes Institute, Western University of Health Science, 2010-present
- Member Graduate Program, Western University of Health Sciences, 2011-present.

Conducator doctorat

Pennsylvania State University, PA, USA
Marie Curie University, Paris, France
UMF Iasi

Activitati de tutoriat si supervizare a studentilorPremii și burse pentru absolvenți:

Frank Duca (in prezent - Assistant Professor at the University of Arizona)

- Penn State Graduate Award
- Marie Curie Graduate Award
- INRA fellow
- Banling postdoctoral fellow



Timothy Swartz (in present - Scientific Program Director at Integrative Phenomics, Paris, France)

- Penn State Graduate Award
- Marie Curie Graduate Award
- INRA fellow

Bart DeJonghe (in present - Associate Professor at the University of Pennsylvania, NIH grantee)

- Spring 2002 Penn State Research Graduate Exhibition Award (3rd place).
- Spring 2003 Penn State Research Graduate Exhibition Award (3rd place).
- Fall 2004 Ruth L. Pike Scholarship in Basic Nutrition Sciences.
- Spring 2006 Postdoctoral Fellowship, Monel Chemical Center, Philadelphia

David Savastano (in present - Senior Director Medical Research GlaxoSmithKline)

- Spring 2003 The Hintz Graduate Educational Enhancement Fellowship
- Fall 2004 The Hintz Graduate Educational Enhancement Fellowship
- Fall 2004 Ruth L. Pike Scholarship in Basic Nutrition Sciences
- Spring 2006 Postdoctoral Fellowship, NIDDK, National Institute of Health, Bethesda, DC

Matthew Hayes (in present - Associate Professor at the University of Pennsylvania, NIH grantee)

- Spring 2004 The Hintz Graduate Educational Enhancement Fellowship
- Fall 2004 Ruth L. Pike Scholarship in Basic Nutrition Sciences
- Spring 2005 Ruth L. Kirschstein National Research Service Award (NRSA) NIH/NINDS: 1-F31-NS51868-01
- Spring 2006 Postdoctoral Fellowship, University of Pennsylvania, PA

Chun-Yi Hung (in present - Global Medical Science Manager at Reckitt Benckiser)

- Fall 2004 Woot-Tsuen Wu Leung Scholarship in Nutrition
- Spring 2005 Woot-Tsuen Wu Leung Scholarship in Nutrition
- Spring 2006 Research assistantship, National Cancer Institute, DC.

Indrumare – Lucrari de disertatie/Teze doctorat:

- Chun-Yi Hung, M.Sc.– Dec. 2005, "Role of NMDA receptor competitive antagonist AP-5 on food intake"
- David Savastano, Ph.D –Dec. 2005, "Serotonin type-3 receptor participation in nutrient-induced satiation"
- Matthew Hayes, Ph.D -- May 2006, "CCK and serotonin interact to control intake: participation of 5-HT3 receptors"
- Bart DeJonghe, Ph.D – May 2006, "Altered stimulatory and inhibitory feedback signals contributes to hyperphagia in CCK-1 receptor deficient OLETF rat."
- Doug Guard, MSc – May 2008, "NMDA receptors containing NR2B and/or NR2A subunits control food intake in the rat"
- Timothy Swartz, MSc – May 2009, "Deficits in feeding and vagal responses in two rat models of obesity"
- Timothy Swartz, Ph.D – June 2012, "Oral and post-oral factors controlling energy balance in GF rodents".
- Frank Duca, Ph.D.–June 2013, "Altered satiation signaling in obesity: the role of nutrients, gut peptides, and gut microbiota".

Membru in comitete de absolvire
Ph. D. Presedinte Comitet

- Matthew Hayes, Ph.D., Graduate Program in Nutrition, PennState (2003-2007)
- Bart DeJonghe, Ph.D., Graduate Program in Nutrition, PennState (2003-2007)
- David Savastano, Ph.D., Graduate Program in Nutrition, PennState (2002-2007)
- Chun-Yi Hung, MSc., Graduate Program in Nutrition, PennState (2003-2008)
- Doug Guard, MSc., Graduate Program in Nutrition, PennState (2004-2008)
- Timothy Swartz, Graduate Program in Physiology, Marie-Curie University, Paris (2010-2013)
- Frank Duca, Graduate Program in Physiology, Marie-Curie University, Paris (2011-2014)
- Xufei Zhang, Graduate Program in Physiology, Marie-Curie University, Paris (2014-2019)
- Oana Iatcu, Medical School Iasi, Romania (2018-2021)
- Raluca Soimaru, Medical School, Iasi, Romania (2018-2021)
- Ana Ilisei, Medical School Iasi, Romania (2018-2021)



Ph.D. Membru in Comitet

- John Florian, Graduate Program in Physiology, PennState
- Sandhya Sankaranarayanan, Integrative Biosciences, PennState
- Rachel M. Ceballos, Biobehavioral Health, PennState
- Tanja Krall, Graduate Program in Nutrition, PennState
- Heather McConnell, Graduate Program in Physiology, PennState
- Ixchel Brennan, Graduate Program in Medicine, University of Adelaide, Australia
- Jessica Schwarz, AgroParisTech, France, Graduate Program in Nutrition
- Charles Desmarchelier, AgroParisTech, France, Graduate Program in Nutrition
- Rojo Rasoamanana, AgroParisTech, France, Graduate Program in Nutrition
- Pierre Larraufie, Marie Curie University, France
- Marion Bonnet, Aix-Marseille Université, France
- Charlotte Ronveaux, AgroParisTech, France, Graduate Program in Nutrition

08.12.2021

