BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE
Marian Kollarik	Instructor of Medicine
eRA COMMONS USER NAME	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Jessenius Medical School, Commenius University, Slovak Republic	M.D.- Ph.D.	1991-2001	Physiology
Johns Hopkins University, Department of Medicine, Baltimore, Maryland	Postdoc	2001-2004	Physiology

A. Positions and Honors.

Positions and Employment

1997 - 2001 Assistant Professor of Physiology and Pathophysiology, Department of Pathophysiology Jessenius Medical School, Slovak Republic

2001 - 2004 Postdoctoral Fellow, Department of Medicine, The Johns Hopkins University School of Medicine, Baltimore, MD

2004 - present Instructor in Medicine, Department of Medicine, The Johns Hopkins University School of Medicine, Baltimore, MD

B. Selected publications (in chronological order).

peer-reviewed publications

1. Kollarik, M. and Undem, B. J.: Mechanisms of acid-induced activation of airway afferent nerve fibres in guinea-pig. In: J Physiol. -Vol. 543, No. Pt 2 (2002), p. 591-600
2. Undem, B. J. and Kollarik, M.: Characterization of the vanilloid receptor 1 antagonist iodo-resiniferatoxin on the afferent and efferent function of vagal sensory C-fibers. In: J Pharmacol Exp Ther. -Vol. 303, No. 2 (2002), p. 716-22
3. Tatar, M., Karcolova, D., Pecova, R., Kollarik, M., Plevkova, J. and Brozmanova, M.: Experimental modulation of the cough reflex. In: Respir Rev. -Vol. 85, No. (2002), p. 264-9
4. Kollarik, M., Dinh, Q. T., Fischer, A. and Undem, B. J.: Capsaicin-sensitive and -insensitive vagal bronchopulmonary C-fibres in the mouse. In: J Physiol. -Vol. 551, No. Pt 3 (2003), p. 869-79
5. Carr, M. J., Kollarik, M., Meeker, S. N. and Undem, B. J.: A role for TRPV1 in bradykinin-induced excitation of vagal airway afferent nerve terminals. In: J Pharmacol Exp Ther. -Vol. 304, No. 3 (2003), p. 1275-9
6. Kollarik, M. and Undem, B. J.: Activation of bronchopulmonary vagal afferent nerves with bradykinin, acid and vanilloid receptor agonists in wild-type and TRPV1-/- mice In: J Physiol. -Vol. 555, No. Pt 1 (2004), p. 115-23
7. Undem, B. J., Lee, M.-G., Chuaychoo, B., Meeker, S. N. and Kollarik, M.: Sensory C-fibres responses to allergic mediators in guinea pig airways. In: Allergy Clin Immunol Int:. -Vol., No. (2004), p..229-32

8. Plevkova, J., Kollarik, M., Brozmanova, M., Revallo, M., Varechova, S. and Tatar, M.: Modulation of experimentally-induced cough by stimulation of nasal mucosa in cats and guinea pigs. In: Respir Physiol Neurobiol. -Vol. 142, No. 2-3 (2004), p. 225-35
9. Undem, B. J., Chuaychoo, B., Lee, M. G., Weinreich, D., Myers, A. C. and Kollarik, M.: Subtypes of vagal afferent C-fibres in guinea-pig lungs In: J Physiol. -Vol. 556, No. Pt 3 (2004), p. 905-17
10. Yu, S., Undem B. J., Kollarik, M.: Vagal afferent nerves with nociceptive properties in guinea pig oesophagus. In: J Physiol 563(Pt 3): 831-42.(2005).
11. Chuaychoo B., Lee MG, Kollarik M, Undem BJ: Effect of 5-Hydroxytryptamine on Vagal C-fiber Subtypes in Guinea Pig Lungs. In Pulm Pharmacol Ther 18(4):269-76 (2005).
12. Chuaychoo B., Hunter D., Myers AC, Kollarik M, Undem BJ: Role of the vagus nerve in allergen-induced substance P synthesis in large diameter sensory neurons innervating the lungs (2005). J Allergy Clin Immunol. 2005

reviews

1. Undem, B. J., Carr, M. J. and Kollarik, M.: Physiology and plasticity of putative cough fibres in the Guinea pig. In: Pulm Pharmacol Ther. -Vol. 15, No. 3 (2002), p. 193-8
2. Kollarik, M. and Undem, B. J.: Plasticity of vagal afferent fibres mediating cough. In: H. A. Boushey, F. Chung and J. G. Widdicombe: Cough: causes, mechanisms and therapy, Oxford, Blackwell Publishing, 2003, p. 181-92.
3. Lee MG, Kollarik M, Chuaychoo B, Undem BJ. Ionotropic and metabotropic receptor mediated airway sensory nerve activation. In: Pulm Pharmacol Ther. 2004;17(6):p. 355-60
4. Undem, B.J., Kollarik, M.: The role of vagus nerve in COPD. Proceedings of American Thoracic Society (2005) *in press*
5. Gavett, S.H., Kollarik, M., Undem, B. J.: Irritant agonists and air pollutants: Neurologically mediated respiratory and cardiovascular responses. In: Foster W.M,; Costa D.L: Air Pollutants and the Respiratory Tract , Marcel Dekker (2005) *in press*

C. Research Support

Ongoing Research Support

2R01HL062296-06 Undem (PI) 2/1/00 - 1/31/09
Airway Epithelium and Sensory Neuroexcitability
The goal of this grant is to study mechanisms of neural excitability of the airway epithelial nerves.
Role: Co-Investigator

Pending Research Support

Canning (PI)
Reflexes and Supraesophageal Consequences of Reflux Disease
This grant focuses on neural mechanisms of cough and asthma due to gastroesophageal reflux disease.
Role: Co-investigator