

Viktor Feketa

viktor.feketa@yale.edu

295 Congress Ave. BCMM-447 • New Haven, CT, 06536 • 203-785-3323

www.researchgate.net/profile/Viktor_Feketa

CURRENT POSITION

- Yale University, New Haven, CT** 2016 - present
- Postdoctoral Associate
 - Advisor: Dr. Elena Gracheva, Department of Cellular & Molecular Physiology

EDUCATION

- Baylor College of Medicine, Houston, TX** 2010 - 2015
- Ph.D., Molecular Physiology and Biophysics, Cardiovascular Sciences Track
 - Advisor: Sean Marrelli, Ph.D., Associate Professor, Departments of Anesthesiology & Physiology
 - Thesis: "Manipulating thermoregulatory responses by targeting molecular temperature sensors"
- Uzhgorod National University, Uzhgorod, Ukraine** 2003 - 2009
- M.D. with Honors, Faculty of Medicine, GPA: 4 out of 4

RESEARCH EXPERIENCE

- Baylor College of Medicine, Houston, TX** 2015 - 2016
Postdoctoral Associate
- Advisor: Dr. Sean Marrelli, Departments of Anesthesiology & Physiology
 - Neuroprotective effects of the TRPV1 ion channel agonists in stroke
- Baylor College of Medicine, Houston, TX** 2010-2015
Graduate Student/Research Assistant
- Advisor: Dr. Sean Marrelli, Departments of Anesthesiology & Physiology
 - The role of thermosensitive TRPV1, TRPM8, and TRPV3 ion channels in thermoregulation and their potential as novel pharmacological targets for induction of therapeutic hypothermia
- Uzhgorod National University, Uzhgorod, Ukraine** 2003-2006
Medical Student/Undergraduate Research Assistant
- Advisor: Dr. Serhiy Tsyapets, Department of Normal and Pathological Physiology
 - The effects of voluntary paced breathing and humor on the autonomic nervous system activity in healthy humans assessed by heart rate variability measurements

HONORS AND AWARDS

- 1st Prize for Poster Presentation, Graduate Student Symposium, Baylor College of Medicine, Houston, TX 2014
- 3rd Prize Platform Speaker Award and Poster Finalist Honorable Mention, Graduate Student Symposium, Baylor College of Medicine, Houston, TX 2013
- Ukrainian National Olympiad in Pathological Physiology for University Students, 3rd Prize 2006
- "Best Work" Letter for the oral presentation, Scientific Conference of Students and Young Scientists, Faculty of Medicine, Uzhgorod National University, Ukraine 2004, 2005
- Ukrainian National Olympiad in Chemistry for Secondary School Students, 1st Prize 2000

PUBLICATIONS

- 1) **Feketa, V. V.**, Balasubramanian, A., Flores, C. M., Player, M. R., & Marrelli, S. P. Shivering and tachycardic responses to external cooling in mice are substantially suppressed by TRPV1 activation but not by TRPM8 inhibition. *American Journal of Physiology. Regulatory, Integrative and Comparative Physiology* (2013). <http://www.ncbi.nlm.nih.gov/pubmed/24005250>
- 2) **Feketa, V. V.***, Zhang, Y.*, Cao, Z., Balasubramanian, A., Flores, C. M., Player, M. R., & Marrelli, S. P. (*equal contribution.) Transient receptor potential melastatin 8 channel inhibition potentiates the hypothermic response to transient receptor potential vanilloid 1 activation in the conscious mouse. *Critical Care Medicine* (2014). <http://www.ncbi.nlm.nih.gov/pubmed/24595220>
- 3) **Feketa, V. V.**, Marrelli, S. P. Induction of therapeutic hypothermia by pharmacological modulation of temperature-sensitive TRP channels: theoretical framework and practical considerations [Review]. *Temperature* (2015). <http://www.tandfonline.com/doi/full/10.1080/23328940.2015.1024383>
- 4) **Feketa, V. V.**, Marrelli, S. P. Systemic Administration of the TRPV3 Ion Channel Agonist Carvacrol Induces Hypothermia in Conscious Rodents. *PLOS One* (2015). <http://www.ncbi.nlm.nih.gov/pubmed/26528923>

ORAL & POSTER PRESENTATIONS

- International Stroke Conference 2015, Nashville, TN (*poster presentation*). 2015
- Graduate Student Symposium, Baylor College of Medicine, Houston, TX (*Awarded 1st Prize for Best Poster Presentation*). 2014
- Experimental Biology Meeting, Boston, MA (*poster presentation*). 2013
- Graduate Student Symposium, Baylor College of Medicine, Houston, TX (*Selected to represent the department and awarded 3rd Prize for Best Oral Presentation*). 2013

ADDITIONAL INFORMATION

- Citizenship: Ukraine.
- US visa status: F-1 visa (Academic Student) with Optional Practical Training (OPT) employment authorization.

REFERENCES

Sean Marrelli, PhD (PhD thesis advisor)

Associate Professor of
Anesthesiology and Physiology
Director, Graduate Program in
Physiology – Cardiovascular
Sciences Track
Baylor College of Medicine
Houston, TX
713-798-7892
marrelli@bcm.edu

Robert Bryan, PhD (PhD thesis committee member)

Professor and Vice Chair of
Research
Department of Anesthesiology
Baylor College of Medicine
Houston, TX
713-798-7720
rbryan@bcm.edu

Frank Horrigan, PhD (PhD thesis committee member)

Associate Professor
Department of Molecular Physiology and
Biophysics
Baylor College of Medicine
Houston, TX
713-798-4675
horrigan@bcm.edu