CURRICULUM VITAE

Date of Revision:
Name:
School:

October 4, 2019 Marco Mastrotto, PhD Yale School of Medicine

Education:

MA, University of Bologna Molecular Biology 2008 PhD, University of Bologna Neurophysiology 2012

Career/Academic Appointments:

2012 - 2018	Postdoctoral Associate, Cellular and Molecular Physiology, Yale School of Medicine,
	New Haven, CT
2018 - present	Associate Research Scientist, Cellular and Molecular Physiology, Yale School of
	Medicine, New Haven, CT

Bibliography:

Peer-Reviewed Original Research

- 1. Cerri M, **Mastrotto M**, Tupone D, Martelli D, Luppi M, Perez E, Zamboni G, Amici R. The inhibition of neurons in the central nervous pathways for thermoregulatory cold defense induces a suspended animation state in the rat. J Neurosci 2013, 33:2984-93.
- 2. Martelli D, Luppi M, Cerri M, Tupone D, **Mastrotto M**, Perez E, Zamboni G, Amici R. The direct cooling of the preoptic-hypothalamic area elicits the release of thyroid stimulating hormone during wakefulness but not during REM sleep. PLoS One 2014, 9:e87793.
- 3. Cerri M, Del Vecchio F, **Mastrotto M**, Luppi M, Martelli D, Perez E, Tupone D, Zamboni G, Amici R. Enhanced slow-wave EEG activity and thermoregulatory impairment following the inhibition of the lateral hypothalamus in the rat. PLoS One 2014, 9:e112849.
- Schneider ER, Mastrotto M, Laursen WJ, Schulz VP, Goodman JB, Funk OH, Gallagher PG, Gracheva EO, Bagriantsev SN. Neuronal mechanism for acute mechanosensitivity in tactile-foraging waterfowl. Proceedings Of The National Academy Of Sciences Of The United States Of America 2014, 111:14941-6.
- Laursen WJ, Mastrotto M, Pesta D, Funk OH, Goodman JB, Merriman DK, Ingolia N, Shulman GI, Bagriantsev SN, Gracheva EO. Neuronal UCP1 expression suggests a mechanism for local thermogenesis during hibernation. Proceedings Of The National Academy Of Sciences Of The United States Of America 2015, 112:1607-12.
- 6. Matos-Cruz V, Schneider ER, **Mastrotto M**, Merriman DK, Bagriantsev SN, Gracheva EO. Molecular Prerequisites for Diminished Cold Sensitivity in Ground Squirrels and Hamsters. Cell Reports 2017, 21:3329-3337.

- 7. Schneider ER, Anderson EO, **Mastrotto M**, Matson JD, Schulz VP, Gallagher PG, LaMotte RH, Gracheva EO, Bagriantsev SN. Molecular basis of tactile specialization in the duck bill. Proceedings Of The National Academy Of Sciences Of The United States Of America 2017, 114:13036-13041.
- 8. Hoffstaetter LJ, **Mastrotto M**, Merriman DK, Dib-Hajj SD, Waxman SG, Bagriantsev SN, Gracheva EO. Somatosensory Neurons Enter a State of Altered Excitability during Hibernation. Current Biology : CB 2018, 28:2998-3004.e3.
- 9. Schneider ER, Anderson EO, Feketa VV, **Mastrotto M**, Nikolaev YA, Gracheva EO, Bagriantsev SN. A Cross-Species Analysis Reveals a General Role for Piezo2 in Mechanosensory Specialization of Trigeminal Ganglia from Tactile Specialist Birds. Cell Reports 2019, 26:1979-1987.e3.