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BROWN

Zervas Publications

(in reverse chronological order)

Normand E, Browning C, Machan JT, Voelcker B, **Zervas M** (2012) Seizures and compulsive grooming behaviors resulting from thalamus-specific *Tsc1* gene inactivation. *Neuron*, Manuscript #NEURON-D-12-01342, Under revision.

Yang, J, Brown A, Ellisor D, Paul E, Hagan N, **Zervas M** (2012). The dynamic temporal requirement of *Wnt1* in midbrain dopamine neuron development. *Development*, MS ID#: DEVELOP/2012/080630, Revision Under Review.

Brown S, **Zervas M** (2012) Temporal expression of *Wnt1* defines the competency state and terminal identity of auditory progenitors in the developing cochlear nucleus and inferior colliculus. *Neural Dev*. Submitted.

Ellisor D, Rieser C, Voelcker B, **Zervas M** (2012) Genetic Dissection of Midbrain Dopamine Neuron Development in vivo. *Dev Biol* 372:249-262 (PMID: 23041116).

Hagan N, **Zervas M** (2012) *Wnt1* expression temporally allocates upper rhombic lip progenitors and defines their terminal cell fate in the cerebellum. *Mol Cell Neurosci* 49:217-229 (PMCID: PMC3351839).

Brown A, Machan JT, **Zervas M** (2011) Molecular organization and timing of *Wnt1* expression define cohorts of midbrain dopamine neuron progenitors in vivo. *J. Comp. Neurol.* 519:2978-3000 (PMCID: PMC3359795).

Hayes L, Zhang Z, Albert P, **Zervas M***, Ahn S* (2011) The timing of Sonic Hedgehog and Gli1 expression segregates midbrain dopamine neurons. *J. Comp. Neurol.* 519:3001-3018 (PMCID: PMC3154975). *Co-corresponding authors.

Luu B, Ellisor D, **Zervas M** (2011) The Lineage Contribution and Role of *Gbx2* in Spinal Cord Development. *PLoS ONE* 6(6): e20940. doi:10.1371/journal.pone.0020940 (PMCID: PMC3116860).

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Ellisor D, Koveal D, Hagan, N, Brown, A, **Zervas M** (2009) Comparative analysis of conditional reporter alleles in the developing embryo and embryonic nervous system. *Gene Expr Patterns*, 9:475-489 (PMCID: PMC2855890).

- Zervas M** (2007) Genetics, Neurobiology, and Translational Medicine: The Future of Schizophrenia Research. *White Paper, Johnson & Johnson Pharmaceutical Research and Development*. 133pp., Role: researcher, author.
- Joyner AJ, **Zervas M** (2006) Genetic inducible fate mapping in mouse: establishing genetic lineages and defining genetic neuroanatomy in the nervous system. *Dev. Dynamics* 235:2376-2385 (PMID: 16871622).
- Zervas M**, Blaess S, Joyner AJ (2005) Classical embryological studies and modern genetic analysis of midbrain and cerebellum development. *Curr. Topics Dev. Biol., (Neural Development)*, 69:101-138. Invited review; Selected scientific image featured on cover (PMID: 16118800).
- Zervas M**, Opitz T, Edelmann W, Wainer B, Kucherlapati R, Stanton P (2005) Impaired Hippocampal Long-Term Potentiation (LTP) in Microtubule-Associated Protein 1B-deficient Mice. *J. Neurosci. Res.* 82:83-92 (PMID: 16243598).
- Zervas M**, Millet S, Ahn S, Joyner AJ (2004) Cell behaviors and genetic lineages of the mesencephalon and rhombomere 1. *Neuron* 43:345-357 (PMID: 15294143).
- Zervas M**, Somers KL, Thrall MA, Walkley SU (2001) Critical role for glycosphingolipids in Niemann-Pick disease type C. *Curr. Biol.* 11(16):1283-1287 (PMID: 11525744).
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