CURRICULUM VITAE

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The Jackson Laboratory
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Education

P. Sabatier University, Toulouse, France	B.S.	2000	Physiology
UM2 University, Montpellier, France	M.S.	2001	Neurobiology
UM2 University, Montpellier, France	Ph.D.	2005	Neurobiology
The Jackson Laboratory, Bar Harbor, ME	Postdoc	2012	Neurobiology
Husson University, Bangor, ME	MBA	2016	

Positions

2001-2004 Lecturer, Physiology, Lab and Courses
UM2 University
Montpellier, France

2011-2015 Associate Research Scientist
The Jackson Laboratory.

2015-present Study Director
The Jackson Laboratory – Genetic Resource Science / In Vivo Pharmacology Services

Fellowship and Awards

2001-2004 Predoctoral Fellowship (Allocation de Recherche), French Ministry of Research
2004-2005 Predoctoral Fellowship, Association Francaise contre les Myopathies (AFM)
2006-2008 Postdoctoral Training Fellowship, The Jackson Laboratory, Bar Harbor, ME
2008-2009 Postdoctoral Fellowship, Myasthenia Gravis Foundation of America
2008-2011 Postdoctoral Fellowship, Muscular Dystrophy Association
2011 Best Poster Award, Muscular Dystrophy Association National Scientific Conference, Las Vegas, NV

Professional Services

- Grant Reviewer for the National Science Foundation (International Research Fellowship Program) and for Association Francaise contre les Myopathies (AFM, "French Muscular Dystrophy Association")
- Reviewer for peer-reviewed publications : Gene Expression, PNAS, Journal of Neuroscience, FASEB Journal, Human Molecular Genetics, PLoS One, Scientific Reports, Neuroscience, Muscle & Nerve
- Member of the Animal Care and Use Committee, The Jackson Laboratory (2015-2016)

Peer-Reviewed Publications

Bogdanik L, Mohrmann R, Ramaekers A, Bockaert J, Grau Y, Broadie K, Parmentier ML. (2004). The Drosophila metabotropic glutamate receptor DmGluRA regulates activity-dependent synaptic facilitation and fine synaptic morphology. *J Neurosci* 24(41):9105-16.

Franco B, **Bogdanik L**, Bobinnec Y, Debec A, Bockaert J, Parmentier ML, Grau Y. (2004). Shaggy, the homolog of glycogen synthase kinase 3, controls neuromuscular junction growth in Drosophila. *J Neurosci* 24(29):6573-77.

Garces A, **Bogdanik L**, Thor S and Carroll P. (2006). Expression of Drosophila BarH1-H2 homeoproteins in developing dopaminergic cells and SNa motoneurons. *Eur J Neurosci* 24(1):37-44.

Bogdanik L, Framery B, Frölich A, Franco B, Mornet D, Bockaert J, Sigrist SJ, Grau Y, Parmentier ML. (2008). Muscle dystroglycan organizes the postsynapse and regulates presynaptic neurotransmitter release at the Drosophila neuromuscular junction. *PLoS ONE* 3(4):e2084.

Bogdanik, LP, Burgess RW. (2011). A valid mouse model of AGRIN-associated congenital myasthenic syndrome. *Hum Mol Genet* 20(23):4617-33.

Osborne MA, Gomez D, Feng Z, Cirillo K, El-Khodor, Ling, K, McKemy DD, **Bogdanik L**, Davis C, Doty R, Ghavami A, Kobayashi D; Ko CP, Ramboz, S, Lutz CM. (2012). Characterization of behavioral and neuromuscular junction phenotypes in a novel allelic series of SMA mouse models. *Hum Mol Genet* 21(20):4431-47.

Bogdanik LP, Chapman HD, Miers KE, Serreze DV, Burgess RW. (2012). A MusD retrotransposon insertion in the mouse Slc6a5 gene causes alterations in neuromuscular junction maturation and behavioral phenotypes. *PLoS ONE* 7(1):e30217.

Bogdanik LP, Sleigh JN, Tian C, Samuels ME, Bedard K, Seburn KL, Burgess RW. (2013). Loss of the E3 ubiquitin ligase LRSAM1 sensitizes peripheral axons to degeneration in a mouse model of Charcot-Marie-Tooth disease. *Dis Model Mech* 6(3):780-92.

Bogdanik LP*, Hatzipetros T*, Tassinari VR, Kidd JD, Moreno AJ, Davis C, Osborne M, Austin A, Vieira FG, Lutz C, Perrin S. (2014). C57BL/6J congenic Prp-TDP43A315T mice develop progressive neurodegeneration in the myenteric plexus of the colon without exhibiting key features of ALS. *Brain research* 1584:59-72. (* : equal contribution).

Bogdanik LP, Osborne MA, Davis C, Martin WP, Austin A, Rigo F, Bennett CF, Lutz CM. (2015) Systemic, postsymptomatic antisense oligonucleotide rescues motor unit maturation delay in a new mouse model for type II/III spinal muscular atrophy. *PNAS* 112(43):E5863-72, 2015

O'Rourke JG, **Bogdanik L**, Muhammad AK, Gendron TF, Kim KJ, Austin A, Cady J, Liu EY, Zarrow J, Grant S, Ho R, Bell S, Carmona S, Simpkinson M, Lall D, Wu K, Daughrity L, Dickson DW, Harms MB, Petrucelli L, Lee EB, Lutz CM, Baloh RH. (2015) C9orf72 BAC Transgenic Mice Display Typical Pathologic Features of ALS/FTD. *Neuron* 88(5):892-901.

Bogdanik L*, Coley WD*, Vila MC, Yu Q, Van Der Meulen JH, Rayavarapu S, Novak JS, Nearing M, Quinn JL, Saunders A, Dolan C, Andrews W, Lammert C, Austin A, Partridge TA, Cox GA, Lutz C, Nagaraju K. (2016) Effect of genetic background on the dystrophic phenotype in mdx mice. *Human Molecular Genetics* 25(1):130-45 (* : equal contribution)

O'Rourke JG, **Bogdanik L**, Yáñez A, Lall D, Wolf AJ, Muhammad AK, Ho R, Carmona S, Vit JP, Zarrow J, Kim KJ, Bell S, Harms MB, Miller TM, Dangler CA, Underhill DM, Goodridge HS, Lutz CM, Baloh RH. (2016) C9orf72 is required for proper macrophage and microglial function in mice. *Science* 351(6279):1324-9