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Education

- 2010/2 - 2014/10 **Ph. D.**, Interactions Moléculaires et Cellulaires, Université de Nice Sophia-Antipolis. France. Supervisor: Stephane Noselli
- 2004/8 - 2008/12 **Bachelor's, B. Sc in Biology**, Genetics, Universidad Autónoma de Querétaro. Mexico. Supervisors: Fanis Missirlis and Juan Riesgo-Escovar

Affiliations

- 2021/07 - Present, Assistant Professor **Dalhousie University, Canada**
- 2020/5 - 2021/06, Research Associate, **McGill University, Canada**
- 2015/7 - 2020/5, Postdoctoral Research Fellow, Biology, **McGill University, Canada**
- 2010/2 - 2014/10, Ph.D. student, **Université de Nice Sophia-Antipolis, France**
- 2007/8 - 2008/8, Undergraduate Researcher, Neurobiology Institute, **UNAM, Mexico**.

Publications

- **González-Morales N**, Marescal O, Szikora S, Erdelyi M, Bíró P, Mesquita T, Mihály J, Frieder Schöck F. (2021) Oxoglutarate dehydrogenase coordinates myofibril growth by maintaining amino acid homeostasis. **BiorXiv**. doi: <https://doi.org/10.1101/2021.12.13.472149>
- Liao KA*, **González-Morales N***, Schöck F. (2020) The actin-binding properties of Drosophila Zasp52 contribute to myofibril assembly. **Plos One**. doi: [journal.pone.0232137](https://doi.org/10.1371/journal.pone.0232137). *equal contribution
- Marescal O, Schöck F. and **González-Morales N**. (2020) Bimolecular Fluorescence Complementation for studying sarcomeric protein interactions in Drosophila. **Bio-protocol**. doi: [10.21769/BioProtoc.3569](https://doi.org/10.21769/BioProtoc.3569).
- **González-Morales N** and Schöck F. (2020). Commentary: Nanoscopy reveals the layered organization of the sarcomeric Hzone and I-band complexes. **Front. Cell Dev. Biol**. doi: [10.3389/fcell.2020.00074](https://doi.org/10.3389/fcell.2020.00074).
- **González-Morales N**, Xiao YS, Schilling MA, Marescal O, Liao KA, Schöck F. (2019). Myofibril diameter is set by a finely tuned mechanism of protein oligomerization in Drosophila. **eLife**. doi: [10.7554/eLife.50496](https://doi.org/10.7554/eLife.50496).
- **González-Morales N**, Marsh TW, Marescal O, Xiao YS, Schöck F. (2019). Different Evolutionary Trajectories of Two Insect-Specific Paralogous Proteins Involved in Stabilizing Muscle Myofibrils. **Genetics**. doi: [10.1534/genetics.119.302217](https://doi.org/10.1534/genetics.119.302217).
- Xiao YS, Schöck F, **González-Morales N**. (2017). Rapid IFM dissection for visualizing fluorescently tagged sarcomeric proteins. **Bio-Protocol**. doi: [10.21769/BioProtoc.2606](https://doi.org/10.21769/BioProtoc.2606).
- **González-Morales N**, Holenka TK, Schöck F. (2017). Filamin actin-binding and titin-binding fulfill distinct functions in Z-disc cohesion. **PLoS Genet**. doi: [10.1371/journal.pgen.1006880](https://doi.org/10.1371/journal.pgen.1006880).
- Liao KA, **González-Morales N**, Schöck F. (2016). Zasp52, a Core Z-disc Protein in Drosophila Indirect Flight Muscles, Interacts with α -Actinin via an Extended PDZ Domain. **PLoS Genet**. doi: [10.1371/journal.pgen.1006400](https://doi.org/10.1371/journal.pgen.1006400).
- **González-Morales N**, Mendoza-Ortíz MÁ, Bowes LM, Missirlis F, Riesgo-Escovar JR, (*Co-first authors). (2015). Ferritin is required in multiple tissues during Drosophila melanogaster development. **PLoS One**. doi: [10.1371/journal.pone.0133499](https://doi.org/10.1371/journal.pone.0133499).
- **González-Morales N**, Géminard C, Le-Breton G, Cérezo D, Coutelis JB, and Noselli S,. (2015). The Atypical Cadherin Dachous and Planar Cell Polarity control Left-Right Asymmetry in Drosophila. **Dev Cell**. doi: [10.1016/j.devcel.2015.04.026](https://doi.org/10.1016/j.devcel.2015.04.026).
- Coutelis JB, **González-Morales N**, Géminard C, and Noselli S,. (2014). Diversity and convergence of mechanisms establishing Left-Right asymmetry in metazoan. **EMBO Reports**. doi: [10.15252/embr.201438972](https://doi.org/10.15252/embr.201438972).
- Géminard C*, **González-Morales N***, Coutelis JB*, and Noselli S,. (2014). The Myosin ID Pathway and Left-Right Asymmetry in Drosophila. **Genesis**. doi: [10.1002/dvg.22763](https://doi.org/10.1002/dvg.22763). *equal contribution