



Adriana Verenisse Gonzalez Sandoval

Postdoctoral Research Fellow, Human Gene Therapy

Bio

BIO

Adriana Gonzalez is a postdoctoral researcher, who is part of the Walter & Berry Postdoctoral Fellowship Program. Her research is related to gene therapy and chromatin organization, seeking for a better understanding of viral gene therapy mechanisms. Adriana holds a B.S. in Genomic Sciences from the National University of Mexico (UNAM), Mexico and a Ph.D. in Genetics from the University of Basel, Switzerland. She is the author of several publications related to silent chromatin organization. Adriana is eager to learn new techniques and immerse into the field of AAV gene therapy and contribute to it.

HONORS AND AWARDS

- The Walter V. and Idun Berry Postdoctoral Fellowship, Walter V. and Idun Berry Foundation (2018/09-2020/09)
- Peter und Traudl Engelhorn Fellowship, Peter und Traudl Stiftung (2017/01-2018/02)
- Ph.D. Summa cum laude, University of Basel (2016/02)
- NCCR PhD funding, NCCR Frontiers in Genetics (2010/11-2012/11)
- Bachelor's Degree with Honors, National Autonomous University of Mexico (2009/08)

PROFESSIONAL EDUCATION

- Licenciatura, Universidad Nacional Autonoma de Mexico (2009)
- Doctor of Philosophy, Universitat Basel (2016)

STANFORD ADVISORS

- Mark Kay, Postdoctoral Faculty Sponsor
- Mark Kay, Postdoctoral Research Mentor

LINKS

- Kay Lab: <http://web.stanford.edu/group/markkaylab/Home.html>
- Google Scholar Profile: https://scholar.google.com/citations?view_op=list_works&hl=en&user=5yGn3CoAAAAJ

Research & Scholarship

LAB AFFILIATIONS

- Mark Kay, Kay Lab (11/18/2019)
- Capucine van Rechem, CVR Lab (8/22/2018 - - 11/17/2019)

Publications

PUBLICATIONS

- **Loss of an H3K9me anchor rescues laminopathy-linked changes in nuclear organization and muscle function in an Emery-Dreifuss muscular dystrophy model** *GENES & DEVELOPMENT*
Harr, J. C., Schmid, C. D., Munoz-Jimenez, C., Romero-Bueno, R., Kalck, V., Gonzalez-Sandoval, A., Hauer, M. H., Padeken, J., Askjaer, P., Mattout, A., Gasser, S. M.
2020; 34 (7-8): 560–79
- **On TADs and LADs: Spatial Control Over Gene Expression** *TRENDS IN GENETICS*
Gonzalez-Sandoval, A., Gasser, S. M.
2016; 32 (8): 485–95
- **Histones and histone modifications in perinuclear chromatin anchoring: from yeast to man** *EMBO REPORTS*
Harr, J. C., Gonzalez-Sandoval, A., Gasser, S. M.
2016; 17 (2): 139–55
- **embryos. Worm**
Gonzalez-Sandoval, A., Gasser, S. M.
2016; 5 (3)
- **Perinuclear Anchoring of H3K9-Methylated Chromatin Stabilizes Induced Cell Fate in C. elegans Embryos** *CELL*
Gonzalez-Sandoval, A., Towbin, B. D., Kalck, V., Cebianca, D. S., Gaidatzis, D., Hauer, M. H., Geng, L., Wang, L., Yang, T., Wang, X., Zhao, K., Gasser, S. M.
2015; 163 (6): 1333–47
- **Mechanisms of heterochromatin subnuclear localization** *TRENDS IN BIOCHEMICAL SCIENCES*
Towbin, B. D., Gonzalez-Sandoval, A., Gasser, S. M.
2013; 38 (7): 356–63
- **The formation and sequestration of heterochromatin during development Delivered on 7 September 2012 at the 37th FEBS Congress in Sevilla, Spain** *FEBS JOURNAL*
Gonzalez-Sandoval, A., Towbin, B. D., Gasser, S. M.
2013; 280 (14): 3212–19
- **An EDMD Mutation in C. elegans Lamin Blocks Muscle-Specific Gene Relocation and Compromises Muscle Integrity** *CURRENT BIOLOGY*
Mattout, A., Pike, B. L., Towbin, B. D., Bank, E. M., Gonzalez-Sandoval, A., Stadler, M. B., Meister, P., Gruenbaum, Y., Gasser, S. M.
2011; 21 (19): 1603–14
- **Dynamics of expression of ARID1A and ARID1B subunits in mouse embryos and in cells during the cell cycle** *CELL AND TISSUE RESEARCH*
Flores-Alcantar, A., Gonzalez-Sandoval, A., Escalante-Alcalde, D., Lomeli, H.
2011; 345 (1): 137–48