



Abdalla Deiaa Mohamed Gamal Ahmed

Postdoctoral Scholar, Genetics

Bio

PROFESSIONAL EDUCATION

- PhD, University of Toronto , Molecular Genetics (2021)
- HBSc, University of Toronto , Cell and Molecular Biology (2013)

STANFORD ADVISORS

- Michael Snyder, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **The Long Non-coding RNA Landscape of Endurance Exercise Training.** *Molecular metabolism*
Bonilauri, B., Smith, G. R., Raja, A. N., Jimenez-Morales, D., Ahmed, A., Jin, C., Sparks, L. M., Walsh, M. J., Montgomery, S. B., Bodine, S. C., Ashley, E. A., Lindholm, M. E.
2026: 102358
- **Generation and characterization of a novel mouse model of Becker Muscular Dystrophy with a deletion of exons 52 to 55.** *Disease models & mechanisms*
Perillat, L. O., Wong, T. W., Maino, E., Ahmed, A., Scott, O., Hyatt, E., Delgado-Olguin, P., Visuvanathan, S., Ivakine, E. A., Cohn, R. D.
2024
- **Integrated small RNA, mRNA and protein omics reveal a miRNA network orchestrating metabolic maturation of the developing human heart** *BMC GENOMICS*
Aharon-Yariv, A., Wang, Y., Ahmed, A., Delgado-Olguin, P.
2023; 24 (1): 709
- **Prevention of early-onset cardiomyopathy in Dmd exon 52-54 deletion mice by CRISPR-Cas9-mediated exon skipping.** *Molecular therapy. Methods & clinical development*
Rok, M., Wong, T. W., Maino, E., Ahmed, A., Yang, G., Hyatt, E., Lindsay, K., Fatehi, S., Marks, R., Delgado-Olguin, P., Ivakine, E. A., Cohn, R. D.
2023; 30: 246-258
- **KDM8 epigenetically controls cardiac metabolism to prevent initiation of dilated cardiomyopathy.** *Nature cardiovascular research*
Ahmed, A., Syed, J. N., Chi, L., Wang, Y., Perez-Romero, C., Lee, D., Kocaqi, E., Caballero, A., Yang, J., Escalante-Covarrubias, Q., Ishimura, A., Suzuki, T., Aguilar-Arnal, et al
2023; 2 (2): 174-191
- **Structure-Function Relationships of Human Milk Oligosaccharides on the Intestinal Epithelial Transcriptome in Caco-2 Cells and a Murine Model of Necrotizing Enterocolitis.** *Molecular nutrition & food research*
Wu, R. Y., Li, B., Horne, R. G., Ahmed, A., Lee, D., Robinson, S. C., Zhu, H., Cadete, M., Alganabi, M., Filler, R., Johnson-Henry, K. C., Delgado-Olguin, P., Pierro, et al
2022; 66 (4): e2100893

- **Treatment of necrotizing enterocolitis by conditioned medium derived from human amniotic fluid stem cells.** *PloS one*
O'Connell, J. S., Li, B., Zito, A., Ahmed, A., Cadete, M., Ganji, N., Lau, E., Alganabi, M., Farhat, N., Lee, C., Eaton, S., Mitchell, R., Ray, et al
2021; 16 (12): e0260522
- **Maternal obesity persistently alters cardiac progenitor gene expression and programs adult-onset heart disease susceptibility.** *Molecular metabolism*
Ahmed, A., Liang, M., Chi, L., Zhou, Y. Q., Sled, J. G., Wilson, M. D., Delgado-Olguín, P.
2021; 43: 101116
- **Human Milk Oligosaccharides Protect against Necrotizing Enterocolitis by Activating Intestinal Cell Differentiation.** *Molecular nutrition & food research*
Li, B., Wu, R. Y., Horne, R. G., Ahmed, A., Lee, D., Robinson, S. C., Zhu, H., Lee, C., Cadete, M., Johnson-Henry, K. C., Landberg, E., Alganabi, M., Abrahamsson, et al
2020; 64 (21): e2000519
- **A novel mouse model of Duchenne muscular dystrophy carrying a multi-exonic Dmd deletion exhibits progressive muscular dystrophy and early-onset cardiomyopathy.** *Disease models & mechanisms*
Wong, T. W., Ahmed, A., Yang, G., Maino, E., Steiman, S., Hyatt, E., Chan, P., Lindsay, K., Wong, N., Golebiowski, D., Schneider, J., Delgado-Olguín, P., Ivakine, et al
2020; 13 (9)
- **Embryonic programming of heart disease in response to obesity during pregnancy.** *Biochimica et biophysica acta. Molecular basis of disease*
Ahmed, A., Delgado-Olguín, P.
2020; 1866 (2): 165402
- **Formula feeding and immature gut microcirculation promote intestinal hypoxia, leading to necrotizing enterocolitis.** *Disease models & mechanisms*
Chen, Y., Koike, Y., Chi, L., Ahmed, A., Miyake, H., Li, B., Lee, C., Delgado-Olguín, P., Pierro, A.
2019; 12 (12)
- **The transcriptional regulator CCCTC-binding factor limits oxidative stress in endothelial cells.** *The Journal of biological chemistry*
Roy, A. R., Ahmed, A., DiStefano, P. V., Chi, L., Khyzha, N., Galjart, N., Wilson, M. D., Fish, J. E., Delgado-Olguín, P.
2018; 293 (22): 8449-8461
- **Isolating Embryonic Cardiac Progenitors and Cardiac Myocytes by Fluorescence-Activated Cell Sorting.** *Methods in molecular biology (Clifton, N.J.)*
Ahmed, A., Delgado-Olguín, P.
2018; 1752: 91-100
- **Ezh2 is not required for cardiac regeneration in neonatal mice.** *PloS one*
Ahmed, A., Wang, T., Delgado-Olguín, P.
2018; 13 (2): e0192238
- **G9a controls placental vascular maturation by activating the Notch Pathway.** *Development (Cambridge, England)*
Chi, L., Ahmed, A., Roy, A. R., Vuong, S., Cahill, L. S., Caporiccio, L., Sled, J. G., Caniggia, I., Wilson, M. D., Delgado-Olguín, P.
2017; 144 (11): 1976-1987
- **RNA Silencing of Exocyst Genes in the Stigma Impairs the Acceptance of Compatible Pollen in Arabidopsis.** *Plant physiology*
Safavian, D., Zayed, Y., Indriolo, E., Chapman, L., Ahmed, A., Goring, D. R.
2015; 169 (4): 2526-38
- **Plasmacytoid variant of urothelial carcinoma: a report of a rare case.** *Pathology, research and practice*
Demellawy, D. E., Ahmed, A. D., Bora, B., Bonin, M.
2012; 208 (9): 561-4
- **Hemispheric extra-ventricular glioneurocytoma: a clinicopathological review with detailed immunohistochemical profile.** *Pathology, research and practice*
El Demellawy, D., Sur, M., Ahmed, A. D., Provias, J.
2012; 208 (8): 444-51