



Dr. Víctor Manuel Treviño Alvarado

Profesor-Investigador en biología computacional y bioinformática del Tecnológico de Monterrey

Research Areas:

- Cancer Genomics
- Biomarker identification, validation, and algorithms
- Data science for medicine and molecular biology
- Computational biology

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Dr. Victor Trevino began his studies as a Data Processing Technician in the old Technical School of Tec de Monterrey graduating in 1989. He then pursued professional studies as Engineer in Electronic Systems in 1994 also at Tec de Monterrey. Later, he moved to Master of Science with a specialization in Molecular Biology and Genetic Engineering at the Faculty of Medicine of the University of Nuevo Leon, finishing in 1999 where he obtained honorable mention by a thesis on the molecular evolution of a gene. In 2007 obtained doctoral degree at the University of Birmingham in the United Kingdom working on cancer data analysis.

He worked since 1988 in software development for the industry, for business administration, for distance education, and for research for more than 15 years. He began working at Tecnológico de Monterrey in 1999 and since 2007 he is a professor-researcher in the field of bioinformatics where he also teaches engineering, computation, statistics, and biotechnology at the undergraduate and postgraduate levels. He has led the research group in bioinformatics since 2009 where has graduated 5 doctors and more than 12 master students at Tecnológico de Monterrey. He has been an active member of CONACyT's National System of Investigators since 2007 and is currently S.N.I. level 2. He has published more than 50 research articles accumulating more than 1000 citations that have been awarded by research prizes and grants including the Rómulo Garza Prize (2014, 2011) and Jorge Rosenkranz (2014). Currently, he is professor-researcher at the Medical School of the Tecnológico de Monterrey.

Most recent publications:

1. Martin-Park A, Gomez-Govea MA, Lopez-Monroy B, **Treviño-Alvarado VM**, Torres-Sepúlveda MD, López-Uriarte GA, Villanueva-Segura OK, Ruiz-Herrera MD, Martínez-Fierro ML, Delgado-Enciso I, Flores-Suárez AE, White GS, Martínez de Villarreal LE, Ponce-García G, Black WC 4th, Rodríguez-Sánchez IP. Profiles of Amino Acids and Acylcarnitines Related with Insecticide Exposure in *Culex quinquefasciatus* (Say). PLoS One. 2017 Jan 13;12(1):e0169514.
2. Rodríguez-Sánchez IP, **Treviño-Alvarado VM**, Torres-Sepúlveda Mdel R, López-Saldaña LA, Ponce-García G, López-Uriarte GA, Ruiz-Herrera Mdel C, Zamora-Ávila DE, Villarreal-Pérez JZ, Dávalos-Aranda G, Martínez-de-Villarreal LE. Reference values for amino acids and acylcarnitines in peripheral blood in Quarter horses and American Miniature horses. Acta Vet Scand. 2015 Sep 29;57:62.
3. González-Alvarez R, Garza-Rodríguez Mde L, Delgado-Enciso I, **Treviño-Alvarado VM**, Canales-Del-Castillo R, Martínez-De-Villarreal LE, Lugo-Trampe Á, Tejero ME, Schlabritz-Loutsevitch NE, Rocha-Pizaña Mdel R, Cole SA, Reséndez-Pérez D, Moises-Alvarez M, Comuzzie AG, Barrera-Saldaña HA, Garza-Guajardo R, Barboza-Quintana O, Rodríguez-Sánchez IP. Molecular evolution and expression profile of the chemerine encoding gene RARRES2 in baboon and chimpanzee. Biol Res. 2015 Jun 12;48:31.
4. Viader-Salvadó JM, Flores-Gracia J, Vega-Alonso AS, **Treviño-Alvarado VM**, Molina-Torres CA, Vera-Cabrera L, Guerrero-Olazarán M. Simplified amplified-fragment length polymorphism method for genotyping Mycobacterium tuberculosis isolates. J Microbiol Methods. 2009 Sep;78(3):331-8.

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