



CURRICULUM VITAE

Name: MARIO ENRIQUE ZURITA ORTEGA.
Date of Birth 30. 08. 1957.

Academic Studies:

Bachelor in Biology: School of Biology, Faculty of Sciences, National University of México 1977-1981.

Masters: Masters in Basic Biomedical Research
Centre of Genetic Engineering and Biotechnology
National University of México, 1981-1983.

PhD: PhD in Sciences
Institute of Biotechnology
National University of México 1983-1985

Postdoctoral studies Department of Pharmacology , Stanford University. TAG E. MANSOUR and GORDON RINGOLD Labs, 1985-1988.

Postdoctoral Studies Department of Developmental and Cell Biology,
HARVARD UNIVERSITY. Prof. FOTIS C. KAFATOS. 1992-1993.

Academic Positions.

- Associate Professor A, Instituto de Biología UNAM	1993-2000
- Associate Professor B, Instituto de Biología UNAM	2000-2007
- Professor Instituto de Biología UNAM	2007-

Awards and Honours

- DGAPA-Masters fellow /UNAM. 1982-1984.

-PhD CONACYT fellow. 1984-1985.

-MaCARTHUR foundation fellow, 1985-1988 (Stanford University).

-PEW Foundation fellow, 1992-1994, (Harvard University).

-Chair of the Mexican regional committee of the PEW Latin American fellows program (1999-2006).

-Howard Hughes Medical Institute International Scholar (2002-2006).

- President of the Mexican Society of Developmental Biology (2004-2006).
- President of the Latin American Society of Developmental Biology (2008-2010).
- Miguel Aléman Award in Biomedical Sciences (2010).
- National Researcher Award Level 3 (2009-2013).
- National Researcher Award Level 3 (2013-2018)
- National Researcher Award Level 3 (2018-2028).

Service:

- Chair of VI Meeting of the Mexican Society of Developmental Biology (2003).
- President of the PhD program in Biochemical Sciences/UNAM (2001-2003).
- Chair of VII Meeting of the Mexican Society of Developmental Biology (2005).
- President of the first Pan-American Congress in Developmental Biology Mexico, 2007.
- President of the 17TH International Society of Developmental Biology Congress, Mexico 2013.
- Member of the editorial board of Genesis, the journal of genetics and development (2007- 2015).
- Chair of the Developmental Genetics and Molecular Physiology Department, Institute of Biotechnology, UNAM (2010-2016).
- Reviewer of the Biology Program in Basic Research (2007-2018).

Scientific societies.

- Genetic Society of America.
- Mexican Academy of Science.
- Mexican Society of Biochemistry.
- Mexican Society of Developmental Biology.
- Latin American Society of Developmental Biology.

Regular Journal Reviewer.

Insect Molecular Biology, MOD, DNA repair, Mol. Cell Biol., The fly, Gene, Human Mol. Gen. J. of Cell Science, Comp. Biochem. and Physiol., Chromosome, BMC Medical Gen., The Nucleus, Chromosome Res., PNAS, PLoS ONE.

Publications:

1.- **ZURITA, M.** BOLIVAR, F. AND SOBERON, X. (1984). CONSTRUCTION AND CHARACTERIZATION OF NEW CLONING VEHICLES VII. CONSTRUCTION OF PLASMID pBR322-par, A COMPLETELY SEQUENCED, STABLE DERIVATIVE OF pBR327 CONTAINING THE PAR LOCUS OF pSC101. **GENE**, 28; 119-122.

- 2.- LOMELI, H., **ZURITA, M.**, BOLIVAR, F. AND SOBERON, X. (1984). INFLUENCE OF REGIONS UPSTREAM THE PROMOTER FOR THE PRIMER RNA ON THE COPY NUMBER AND STABILITY OF pBR327 DERIVED PLASMIDS. IN **PLASMIDS IN BACTERIA**. PLENUM PRESS. N.Y.pp 866-88
- 3.- BALBAS, P., MERINO, E., VALLE, F., **ZURITA, M.**, LOMELI, H., SOBERON, X., AND BOLIVAR, F. (1986). PLASMID VECTOR pBR322 AND ITS SPECIAL-PURPOSE DERIVATIVES. **GENE** 50; 3-40.
- 4.- **ZURITA, M.**, BIEBER, D., RINGOLD, G., AND MANSOUR, T. E. (1987) CLONING AND CHARACTERIZATION OF A FEMALE GENITAL COMPLEX cDNA FROM THE LIVER FLUKE FASCIOLA HEPATICA. **PROC. NATL. ACAD. SCI. USA**. 84; 2340-2344.
- 5.- **ZURITA, M.** BIEBER, D., RINGOLD, G., AND MANSOUR, T. E. (1988). cDNA CLONING AND GENE CHARACTERIZATION OF A THE MITOCHONDRIAL LARGE SUBUNIT rRNA FROM THE LIVER FLUKE FASCIOLA HEPATICA; EVIDENCE OF HETEROGENEITY IN THE FLUKE MITOCHONDRIAL GENOME. **NUCLEIC ACIDS RESEARCH**. 16; 7001-7012.
- 6.- **ZURITA, M.**, BIEBER, D. AND MANSOUR, T. E. (1989). IDENTIFICATION, EXPRESSION AND IN SITU HYBRIDIZATION OF AN EGG SHELL PROTEIN GENE FROM FASCIOLA HEPATICA. **MOLECULAR AND BIOCHEMICAL PARASITOLOGY**. 37; 11-18.
- 7.- **ZURITA, M.**, ALAGON, A. VARGAS, J., AND LIZARDI, P. (1991). THE E. HISTOLYTICA rRNA EPISOME: NUCLEAR LOCALIZATION, DNAaseI HYPERSENSITIVE MAP AND SPECIFIC DNA-PROTEIN INTERACTIONS. **MOLECULAR MICROBIOLOGY**. 5; 1843-1851.
- 8.- MICHEL, B. ALAGON, A., LIZARDI, P. AND **ZURITA M.** (1992). CHARACTERIZATION OF A REPETITIVE DNA ELEMENT FROM E. histolytica. **MOLECULAR AND BIOCHEMICAL PARASITOLOGY**. 51; 165-168.
- 9.- ILTZCH, M., BIEBER, D. SRINIVASAN V. WEBSTER, P. **ZURITA, M.** AND MANSOUR , T. E. (1992). CLONING AND CHARACTERIZATION OF A cDNA CODING FOR THE ALPHA SUBUNIT OF A STIMULATORY G PROTEIN FROM SCHISTOSOMA MANSONI., **JOURNAL OF BIOLOGICAL CHEMISTRY**. 267; 14504-14508.
- 10.- MICHEL, B., ALAGON, A. LIZARDI, P. AND **ZURITA, M.** (1995). IDENTIFICATION AND ANALYSIS OF THE START SITE OF RIBOSOMAL RNA TRANSCRIPTON OF E. HISTOLYTICA. **MOLECULAR AND BIOCHEMICAL PARASITOLOGY**, 73; 19-30
- 11.- CORONA, M., **ZURITA, M.**, POSANNI, L. AND BECERRIL. B. (1996). CLONING AND CHARACTERIZATION OF THE GENOMIC REGION ENCODING TOXIN IV-5 FROM THE SCORPION TITUS SERRULATUS AND MELLO. **TOXICON**. 34; 251-256.
- 12.- **ZURITA, M.** REYNAUD E., AND KAFATOS, F.C. (1997). CLONING AND CHARACTERIZATION OF CDNA'S PREFERENTIALLY EXPRESSED IN THE OVARY OF THE MOSQUITOE ANOPHELES GAMBIAE. **INSECT MOLECULAR BIOLOGY**. 6; 55-62.
- 13.- REYNAUD E. V. BARAJAS ., BOLSAKOV, S., KAFATOS F.C. AND **M. ZURITA** (1997). The ANTISENSE SUPPRESSION OF THE PUTATIVE RIBOSOMAL PROTEIN S3a DISRUPTS OVARIAN DEVELOPMENT IN *Drosophila melanogaster*. **MOL. GENERAL GENETICS** 256; 462-467.
- 14.- KOZLOVA , T., REYNAUD. E., PEREZ-GASAGA, L., AND **M. ZURITA**. (1997). THE D. MELANOGASTER HOMOLOGUE OF THE HSP60 IS AN ESSENTIAL GENE AND IS DIFFERENTIALLY EXPRESSED DURING FLY DEVELOPMENT. **DEVELOPMENT, GENES AND EVOLUTION**. 207; 253-263.

- 15.- REYNAUD E., VAZQUEZ, M. AND **ZURITA M.** (1998). MOLECULAR ANALYSIS AND CHROMOSOMAL MAPPING OF THE H2A, H3 AND H4 HISTONE GENES FROM THE MALARIA VECTOR ANOPHELES GAMBIAE. **Insect Molecular Biology**. 7; 385-391
- 16.- POSSANI.L., **ZURITA, M.**, DELEPEIRRE, M., HERNANDEZ. M., AND RODRIGUEZ, M.H. (1998). FROM NOXIUSTOXIN TO SHIVA-3, A PEPTIDE TOXIC TO THE SPOROGENIC DEVELOPMENT OF PLASMODIUM BERGHEI. **TOXICON** 36; 1683-1692
- 17.- PEREZGASGA, L., REYNAUD, E., SEGOVIA, L. AND **ZURITA, M.** (1998). MOLECULAR CHARACTERIZATION OF THE HSP60 HOMOLOGUE FROM DROSOPHILA MELANOGASTER. **DEVELOPMENTAL BIOLOGY**. 198; 215-216.
- 18.- CORONA, M., ESTRADA, E., AND **ZURITA, M.** (1999). DIFFERENTIAL EXPRESSION OF MITOCHONDRIAL GENES BETWEEN QUEENS AND WORKERS DURING CASTE DETERMINATION IN THE HONEY BEE, APIS MELIFERA **JOURNAL OF EXPERIMENTAL BIOLOGY** 202; 929-938.
- 19.- REYNAUD E., LOMELI, H., VAZQUEZ, M. AND **ZURITA, M.** (1999) THE DROSOPHILA MELANOGASTER HOMOLOGUE OF THE XERODERMA PIGMENTOSUM D GENE PRODUCT IS LOCATED IN EUCHROMATIC REGIONS AND HAS A DYNAMIC RESPONSE TO UV-LIGHT-INDUCED LESIONS IN POLYTENE CHROMOSOMES. **MOLECULAR BIOLOGY OF THE CELL**, 10; 1191-1203.
- 20.- PEREZGASGA, L. SEGOVIA, L. AND **M. ZURITA** (1999). MOLECULAR CHARACTERIZATION OF THE 5'CONTROL REGION AND OF TWO LETHAL ALLELES AFFECTING HSP60 GENE IN DROSOPHILA MELANOGASTER. **FEBS LETTERS** 456; 269-273.
- 21.- SANDOVAL, M. AND **ZURITA M.** (2001). INCREASED UV LIGHT SENSITIVITY IN TRANSGENIC DROSOPHILA EXPRESSING THE ANTISENSE XPD HOMOLOGUE. **ANTISENSE AND NUCLEIC ACID DRUG DEVELOPMENT**. 11; 125-128
- 22.- CORONA M., VALDEZ-CRUZ, N.M., MERINO E., **ZURITA, M.**, AND POSSANI. L.D. (2001) GENES AND PEPTIDES FROM THE SCORPION CENTUROIDES SCULPTURATUS EWING. **TOXICON** 39; 1893-1898.
- 23.- CASTRO, J., MERINO, C., AND **ZURITA, M** (2002) MOLECULAR CHARACTERIZATION AND DEVELOPMENTAL EXPRESSION OF THE TFIIF FACTOR P62 GENE FROM DROSOPHILA MELANOGASTER: EFFECTS ON THE UV LIGHT SENSITIVITY OF A P62 MUTANT FLY. **DNA REPAIR**. 1; 359-368.
- 24.- POSSANI, L.D., CORONA, M., **ZURITA, M.** AND RODRIGUEZ, M.H. (2002). FROM NOXIUSTOXIN TO SCORPINE AND POSSIBLE TRANSGENIC MOSQUITOES RESISTANT TO MALARIA. **ARCHIVES OF MEDICAL RESEARCH**. 33; 398-404.
- 25.- MERINO, C., REYNAUD, E., VAZQUEZ AND **ZURITA, M.** (2002). DNA REPAIR AND TRANSCRIPTIONAL EFFECTS OF MUTATIONS IN TFIIF IN DROSOPHILA DEVELOPMENT. **MOLECULAR. BIOL. CELL**. 13; 3246-3256.
- 26.- VAZQUEZ M., RODRIGUEZ R., AND **M. ZURITA** (2002). A NEW PEROXINECTIN-LIKE MATERNAL GENE SPECIFICALLY EXPRESSED DURING OOGENESIS AND EARLY EMBRYOGENESIS IN DROSOPHILA MELANOGASTER. **DEVELOPMENT, GENES AND EVOLUTION**. 212; 526-529.
- 27.- GUTIERREZ, L., **ZURITA, M.**, KENNISON J., AND VAZQUEZ, M. (2003). THE DROSOPHILA TRITHORAX GROUP GENE TONALLI (TNA) INTERACTS WITH THE BRAHMA REMODELING COMPLEX AND ENCODES AN SP-RING FINGER PROTEIN. **DEVELOPMENT**. 130; 343-354.

- 28.-**ZURITA M.** AND MERINO, C. (2003). THE TRANSCRIPTIONAL COMPLEXITY OF THE TFIIDH COMPLEX. **TRENDS IN GENETICS**. 19; 578-584.
- 29.- GUTIERREZ, L., MERINO C., VAZQUEZ, M., REYNAUD E AND **ZURITA, M** (2004). RNA POLYMERASE II 140 WIMP MUTANT AND MUTATIONS IN THE TFIIDH SUBUNIT XPB DIFFERENTIALLY AFFECT HOMEOTIC GENE EXPRESSION IN DROSOPHILA. **GENESIS** 40; 58-66.
- 30.- REBOLLAR, E. VALADEZ-GRAHAM, V., VAZQUEZ, M. REYNAUD, E. AND **ZURITA, M.** (2006). ROLE OF THE P53 HOMOLOGUE FROM DROSOPHILA MELANOGASTER IN THE MAINTENANCE OF HISTONE H3 ACETYLTATION AND RESPONSE TO UV-LIGHT IRRADIATION. **FEBS LETTERS**. 580; 642-648
- 31.- RODRIGUEZ-VALENTIN, R., LOPEZ-GONZALEZ, I., JORQUERE, R., LABARCA, P., **ZURITA, M.** AND REYNAUD, E. (2006). OVIDUCT CONTRACTION IN DROSOPHILA IS MODULATED BY A NEURAL NETWORK THAT IS BOTH, OCTOPAMINERGIC AND GLUTAMATERGIC. **JOURNAL OF CELL PHYSIOLOGY** 209; 183-198.
- 32.- AGUILAR-FUENTES J., VALADEZ-GRAHAM, V., REYNAUD, E. AND **ZURITA, M.** (2006). TFIIDH TRAFFICKING AND ITS NUCLEAR ASSEMBLY DURING EARLY DROSOPHILA EMBRYO DEVELOPMENT **JOURNAL OF CELL SCIENCE**. 119; 3866-3875.
- 33.- FREGOSO M., LAINÉ, JP. JAGUILAR-FUENTES, J. BRAUN, C. REYNAUD E. EGLY JM. AND **ZURITA, M.** (2007). DNA REPAIR AND TRANSCRIPTIONAL DEFICIENCIES CAUSED BY MUTATIONS IN THE *DROSOPHILA* P52 SUBUNIT OF TFIIDH GENERATE DEVELOPMENTAL DEFECTS AND CHROMOSOME FRAGILITY. **MOLECULAR AND CELLULAR BIOLOGY**. 27; 3640-3650.
- 34.- **ZURITA M.**, REYNAUD, E. AND AGUILAR-FUENTES, J (2008). FROM THE BEGINNING: THE BASAL TRANSCRIPTION MACHINERY AND ONSET OF TRANSCRIPTION IN THE EARLY ANIMAL EMBRYO. **CELLULAR AND MOL. LIFE SCI**. 65; 212-227.
- 35.- CARBALLAR-LEJARAZÚ, R., RODRÍGUEZ, M.H., DE LA CRUZ HERNÁNDEZ-HERNÁNDEZ F., RAMOS-CASTAÑEDA J., POSSANI, L.D. **ZURITA, M.** HERNÁNDEZ-RIVAS, R., LYCETT, G. AND LANZ-MENDOZA, H. (2008). RECOMBINANT SCORPINE A MULTIFUNCTIONAL ANTIMICROBIAL PEPTIDE WITH ACTIVITY AGAINST DIFFERENT PATHOGENS. **CELLULAR AND MOL. LIFE SCI** . 65; 3081-3092.
- 36.- VAZQUEZ, M. COOPER, M.T. **ZURITA, M.E.** KENNISON, J.A. (2008). {GAMMA}TUB23C INTERACTS GENETICALLY WITH BRAHMA CHROMATIN-REMODELING COMPLEXES IN DROSOPHILA MELANOGASTER. **GENETICS**. 180; 835-43.
- 37.- AGUILAR-FUENTES, J., FREGOSO, M., HERRERA, M., REYNAUD, E., BRAUN, C., EGLY, J.M. AND **ZURITA, M.** (2008). P8/TTDA OVEREXPRESSION ENHANCES UV-IRRADIATION RESISTANCE AND SUPPRESSES TFIIDH MUTANTS IN A TRICOTHIODYSTROPHY DROSOPHILA MODEL. **PLOS GENETICS** NOVEMBER; 4(11):E1000253.
- 38.- PALOMERA-SANCHEZ, Z., BUCIO-MENDEZ, A., VALADEZ-GRAHAM, V., REYNAUD, E. AND **ZURITA, M.** (2010). DROSOPHILA P53 IS REQUIRED TO INCREASE THE LEVELS OF THE DKDM4B DEMETHYLASE AFTER UV-INDUCED DNA DAMAGE TO DEMETHYLATE HISTONE H3 LYSINE 9. **J.BIOL. CHEM.** 285; 31370-9137.
- 39.- PALOMERA-SANCHEZ, Z. AND **ZURITA, M** (2011). OPEN, REPAIR AND CLOSE AGAIN: CHROMATIN DYNAMICS AND THE RESPONSE TO UV-INDUCED DNA DAMAGE, **DNA- REPAIR**. 10; 119-125.

- 40.- HENANDEZ-VARGAS, R., FONSECA-ORNELAS, L., LOPEZ-GONZALEZ, I., REISGO-ESCOVAR, J. **ZURITA M.** AND REYNAUD. E. (2011). SYNPHILIN SUPPRESSES ALFA SYNUCLEIN NEUROTOXICITY IN A PARKINSON DISEASE DROSOPHILA MODEL. **GENESIS**. 49; 392-402.
- 41.- REYES-CARMONA, S., VALADEZ-GRAHAM, V., AGUILAR-FUENTES, J., **ZURITA, M.** AND LEON DEL RIO, A. (2011). TRAFFICKING AND CHROMATIN DYNAMICS OF HOLOCARBOXYLASE SYNTHETASE DURING DEVELOPMENT OF DROSOPHILA MELANOGASTER. **MOLECULAR GENETICS AND METABOLISM**. 103; 240-248.
- 42.- VALADEZ-GRAHAM,V., YOSHIOKA Y., VELAZQUEZ, O., KAWAMORI A., NEUMAN, A., VAZQUEZ, M., YAMAGUCHI M. AND **ZURITA, M.** (2012). XNP/DATRX INTERACTS WITH DREF IN THE CHROMATIN TO REGULATE GENE EXPRESSION. **NUCLEIC ACIDS RES.** 40; 1460-1474.
- 43.- YOSHIOKA,Y., TUE,N.Y., FUJIWARA, S., MATSUDA, R., VALADEZ-GRAHAM , V. **ZURITA, M.** AND YAMAGUCHI, M. (2012). *DROSOPHILA* DREF ACTING VIA THE JNK PATHWAY IS REQUIRED FOR THORAX DEVELOPMENT. **GENESIS**. 50; 599-611.
- 44.-HERRERA, M., CRUZ, G., VILICAÑA, C., VALADEZ, V., REYNAUD, E. AND **ZURITA, M.** (2012). PHYSICAL AND FUNCTIONAL INTERACTIONS BETWEEN THE SWC6/P18^{HAMLET} SUBUNIT OF THE SWR1/SRCAP CHROMATIN-REMODELING COMPLEX WITH THE DNA REPAIR/TRANSCRIPTION FACTOR TFIH. **JOURNAL OF BIOL. CHEM.** 287; 33567-33580
- 45.- VILICAÑA C, CRUZ G, **ZURITA M.** (2013). THE GENETIC DEPLETION OR THE TRIPTOLIDE INHIBITION OF TFIH IN P53-DEFICIENT CELLS INDUCES A JNK-DEPENDENT CELL DEATH IN DROSOPHILA. **J CELL SCI**. 126; 2502-2515
- 46.- MONRIBOT-VILLANUEVA, J. JUÁREZ-URIBE, A., PALOMERA-SÁNCHEZ, Z., GUTIÉRREZ-AGUIAR, L., **ZURITA, M.**, KENNISON, J. AND VÁZQUEZ, M. (2013). TNA, AN SP-RING PROTEIN, INTERACTS WITH OSA, A SUBUNIT OF THE CHROMATIN REMODELING COMPLEX BRAHMA AND WITH THE SUMOYLATION PATHWAY IN *DROSOPHILA MELANOGASTER*. **PLOS ONE** 19;8(4):E62251
47. VILICAÑA, C., CRUZ, G. AND **ZURITA, M.** (2014). THE BASAL TRANSCRIPTION MACHINERY AS TARGET FOR CANCER THERAPY. **CANCER CELL INTERNATIONAL** 28;14(1):18. doi: 10.1186/1475-2867-14-18
- 48.- LÓPEZ-FALCÓN¹, B., MEYER-NAVA¹, S., HERNÁNDEZ-RODRÍGUEZ, B., CAMPOS, A., MONTERO, D., RUDIÑO, E., VÁZQUEZ, M., **ZURITA, M.** VALADEZ-GRAHAM, V. (2014) CHARACTERIZATION OF THE DROSOPHILA GROUP ORTHOLOG TO THE N-TERMINAL PORTION OF THE VERTEBRATE ALPHA-THALASSEMIA AND MENTAL RETARDATION X-LINKED (ATRX) PROTEIN. **PLOS ONE** (ec 1;9(12):e113182. doi: 10.1371/journal.pone.0113182).
- 49.- CRUZ-BECERRA, G., JUÁREZ, M., VALADEZ-GRAHAM, V. AND **ZURITA, M.** (2016). ANALYSIS OF DROSOPHILA P8 AND P52 MUTANTS REVEALS DISTINCT ROLES FOR THE MAINTENANCE OF TFIH STABILITY AND MALE GERM CELL DIFFERENTIATION, **OPEN BIOLOGY**, 6, 160222. <http://dx.doi.org/10.1098/rsob.1602>
- 50.- **ZURITA, M.** AND CRUZ-BECERRA, G. (2016) TFIH: NEW DISCOVERIES REGARDING ITS MECHANISMS AND IMPACT ON CANCER TREATMENT. **JOURNAL OF CANCER** 7(15): 2258-2265.
- 51.- MIRANDA, J., SALAS, E., LOMELÍ, H., **ZURITA, M.** AND SCHNABEL, M. (2017). RHOA/ROCK PATHWAY ACTIVITY IS ESSENTIAL FOR THE CORRECT LOCALIZATION OF THE GERM PLASM mRNAs IN ZEBRAFISH EMBRYOS. **DEVELOPMENTAL BIOLOGY**, 421; 27-42

- 52.- MONRIBOT-VILLANUEVA, J., **ZURITA**, M. AND VÁZQUEZ, M. (2017) DEVELOPMENTAL TRANSCRIPTIONAL REGULATION BY SUMOYLATION, AN EVOLVING FIELD. **GENESIS** Mar;55(3). doi: 10.1002/dvg.23009. E
- 53.- TRONG TUE, N., YOSIOKA, Y., MIZOGUCHI, M., YOSHIDA, H., **ZURITA**, M. AND YAMAGUCHI, M. (2017). DREF PLAYS MULTIPLE ROLES DURING *DROSOPHILA* DEVELOPMENT. **BIOCHIMICA ET BIOPHYSICA ACTA: GENE REGULATORY MECHANISMS**. 860; 705-712.
- 54.- CHAVEZ, J., MURILLO-MALDONADO, J.M., BAHENA, V., CRUZ, A.K., CASTAÑEDA-SORTIBRÁN, A., RODRIGUEZ-ARNAIZ, R., **ZURITA**, M, AND VALADEZ-GRAHAM, V. (2017). DADD1 AND DATRX PREVENT GENOME INSTABILITY BY MAINTAINING HP1A LOCALIZATION AT *DROSOPHILA* TELOMERES **CHROMOSOMA**, 126; 697-712.
- 55.-GURRION, C., URIOSTEGUI, M. AND **ZURITA**, M. (2017). HETEROCHROMATIN REDUCTION CORRELATES WITH THE INCREASE OF THE KDM4B AND KDM6A DEMETHYLASES AND THE EXPRESSION OF PERICENTROMERIC DNA DURING THE ACQUISITION OF A TRANSFORMED PHENOTYPE. **JOURNAL OF CANCER**. 8(14):2866-2875. doi:10.7150/jca.19477
- 56.- CRUZ, G., JUÁREZ, M., VALERIO-CABRERA, S. AND **ZURITA**. M. (2018). TFIIF LOCALIZATION IS HIGHLY DYNAMIC DURING ZYGOTIC GENOME ACTIVATION IN *DROSOPHILA*, AND ITS DEPLETION CAUSES CATASTROPHIC MITOSIS. **JOURNAL OF CELL SCIENCE**. 8;131(9). pii: jcs211631. doi: 10.1242/jcs.211631
- 57.- BUCIO-MENDEZ, A., CRUZ-BECERRA, G., VALADEZ-GRAHAM, V., DINKOVA , T.D. AND **ZURITA**, M. (2018) THE DMP8-DMP18 BICISTRON MRNA ENABLES UNUSUAL TRANSLATION DURING CELLULAR STRESS. **JOURNAL OF CELLULAR BIOCHEMISTRY**. Sep 30. doi: 10.1002/jcb.27670.

Other publications.

- M. Zurita**. (1990) Animales transgénicos. **ICyT Información Científica y Tecnológica**. Vol 12, num. 166/67. 61-65.
- M. Zurita**. (1992) *Drosophila melanogaster* como un modelo para el desarrollo de insectos transgénicos. **Boletín de la Sociedad Mexicana de Bioquímica**. Vol 1 (4).
- M. Vazquez y **M. Zurita** (1996) Los premios novel de Medicina y Fisiología 1995. *Ciencia y Desarrollo* 23;11-12.
- M. H. RODRIGUEZ, FIDEL DEL C. HERNANDEZ, LOURIVAL POSSANI Y **MARIO ZURITA** (1998) NUEVAS ESTRATEGIAS PARA LA MANIPULACION GENETICA DE VECTORES DE PALUDISMO. en <http://science.sciencemag.org>. EL PALUDISMO EN MEXICO. (ED. JESUS KUMATE Y ADOLFO MARTINEZ PALOMO) EL COLEGIO NACIONAL.
- Recillas, F. y **M. Zurita**. (2003) La estructura de la cromatina y la regulación de la transcripción. en: *Biología Celular* (libro de texto). Compilador, L.F. Jimenez y Merchant, H.
- Zurita M.** (2002). Los genes homeóticos de la mosca. (enero 2002). *Revista Ciencias /UNAM*
- ZURITA M.** (2003) Genética del desarrollo en *Drosophila melanogaster*: lo que es de las moscas es de los humanos. *FRONTERAS DE LA BIOLOGIA* . MTZ. PALOMO F Y F. BOLIVAR EDITORES. EL COLEGIO NACIONAL.

-ZURITA M. (2004) Análisis del factor de transcripción/replicación TFIIH en el desarrollo: el uso de Drosophila como modelo. TIP Revista especializada en Ciencias Químico Biológicas. 7, 41-46.

-Mario Zurita (2010) Regulación de la expresión genética durante el desarrollo y la diferenciación celular. En Introducción a la Física Biológica. Ed. Leopoldo García Colín, Leonardo Dagdug, Michel Picquart, Edgard Vázquez. EL COLEGIO NACIONAL.

Master and PhD students.

BERTHA MICHEL. **Master degree 1992**

ENRIQUE REYNAUD. **Master degree 1995.**

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ENRIQUE REYNAUD. **PhD 1997.**

MIGUEL CORONA. **PhD 1999**

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MARIA TEREZA SANDOVAL. **Master degree 2000**

JUAN. CASTRO. **Master degree 2002**

CARLOS MERINO. **PhD 2002**

JAVIER AGUILAR. **PhD 2007**

MARIANA FREGOSO, **PhD 2007.**

MARIANA HERRERA, **Master degree 2007.**

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ZORAYA PALOMERA, **PhD 2011**

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