



## Productividad académica relevante del programa de posgrado

### Dra. Anquiano Robledo Liliana

2020 von Willebrand Disease and other hereditary haemostatic factor deficiencies in women with a history of postpartum haemorrhage. **Haemophilia**

2020 Preeclampsia as predisposing factor for hypertensive retinopathy: Participation by the RAAS and angiogenic factors. *Experimental Eye Research*.

2019 Supramolecular complex formation, a possible antigenotoxic mechanism of glucomannan against aflatoxin B1. *Toxicological & Environmental Chemistry*

2019 Analysis of Antioxidant Consumption, Body Mass Index and the Waist-Hip Ratio in Early Postmenopause. *Med Sci (Basel)*

2019 (Pro)renin/renin receptor expression during normal and preeclamptic pregnancy in rats. *Life Sciences*

2019 Antioxidant and Adaptative Response Mediated by Nrf2 during Physical Exercise. *Antioxidants (Basel)*

2018 Morphological and biochemical effects of weekend alcohol consumption in rats: Role of concentration and gender. *World J Hepat. ol*

2018 Alternatives to Animal Experimentation: Its Institutional Teaching and Scientific. *Reflections on Bioethics. Capítulo Libro*

2018 Ethical Considerations in Research and Medical Care of Menopause. *Reflections on Bioethics. Capítulo Libro*



2017 Nrf2 modulates cell proliferation and antioxidants defenses during liver regeneration induced by partial hepatectomy *Int J Clin Exp Pathol*

**Dra. Arellano Mendoza Monica Griselda.**

2021 ABC transporter superfamily. An updated overview, relevance in cancer multidrug resistance and perspectives with personalized medicine.

2020 Arsenic exposure: A public health problem leading to several cancers. *Regulatory Toxicology and Pharmacology*

2020 Diabetic Retinopathy: Important Biochemical Alterations and the Main Treatment Strategies. *canadian journal of diabetes*

2020 Voltage-dependent sodium channel blocker anticonvulsants: an approach to the structureactivity relationship. *Med Chem*

2019 Effect of (-)-epicatechin on the modulation of progression markers of chronic renal damage in a 5/6 nephrectomy experimental *model. heliyon*

2019 Correlation study of antibacterial activity and spectrum of Penicillins through a structure-activity relationship analysis. *Medicinal Chemistry Research*

2019 Evaluation of risk factors in the development of type 2 diabetes in a Mexican population. *Diabetes Research and Clinical Practice*

2019 DM2 factores de riesgo. *Conversus*

2019 Correlation study of antibacterial activity and spectrum of Penicillins through a structure-activity relationship analysis. *Medicinal Chemistry Research*



2018 Efecto de la (-) epicatequina en la modulación de marcadores de progresión de daño renal crónico en un modelo experimental *revista mexicana de cardiología*

2018 Apocynin combined with drugs as coadjuvant could be employed to prevent and/or treat the chronic kidney disease renal failure

2017 Acetylcholinesterase inhibition by products generated in situ from the transformation of N-arylisomaleimides *MEDICINAL CHEMISTRY RESEARCH*

**Dra. Bobadilla Lugo Rosa Amalia**

2021 Divergent impact of gestational diabetes mellitus between the thoracic and abdominal rat aorta: influence of endothelium and angiotensin II. *European Journal of Pharmacology*

2021 Role of pregnancy on insulin-induced vasorelaxation: the influence of angiotensin II receptors. *Canadian Journal of Physiology and pharmacology*

2020 Complications of renal transplantation that influence the presence of hyperuricemia in its first year of evolution. *Transplantation proceedings*

2019 AT1R antagonism improves metabolic and vascular changes of obesity-induced gestational diabetes mellitus. *Pathophysiology*

2019 Phytosterols and Triterpenoids for Prevention and Treatment of Metabolic-related Liver Diseases and Hepatocellular Carcinoma. *CURRENT PHARMACEUTICAL BIOTECHNOLOGY*

2018 Beneficial effects of phycobiliproteins from *Spirulina maxima* in a preeclampsia model *Life Sciences. Life Sciences*



2017 Evidence of changes in alpha-1/at1 receptor function generated by diet-induced obesity *diab vasc dis res*

2017 Time course of angiotensin ii dependent vascular and metabolic effects of preeclampsia *pregnancy hypertens. 2017*

**Dr. Castillo Henkel Enrique Fernando**

2021 Synergistic interaction between B vitamins and statins to counter nociception in rats. *Drug Development Research*

2020 Possible mechanisms involved in the effect of the subchronic administration of rosuvastatin on endothelial function in rats with metabolic. *Brazilian Journal of Medical and Biological Research*

2020 Comparative study of acute in vitro and short-term in vivo triiodothyronine treatments on the contractile activity of isolated rat thoracic aortas. *Korean Journal Physiology Pharmacology*

2020 Left ventricular phosphorylation patterns of Akt and ERK 1/2 after triiodothyronine intracoronary perfusion in isolated hearts and short term in. *Iranian Journal of Basic Medical Sciences*

2019 Design, synthesis and in vitro evaluation of a Dopa-organoboron compound that acts as a bladder relaxant through non-catecholamine receptors. *Molecular Diversity*

2018 Identificación de factores de riesgo genéticos asociados a la enfermedad vascular cerebral de tipo isquémico en jóvenes mexicanos *NEUROLOGÍA*



2018 Design, synthesis and in vitro evaluation of a Dopa-organoboron compound that acts as a bladder relaxant through non-catecholamine receptors *Molecular Diversity*

2017 Possible mechanisms involved in the vasorelaxant effect produced by clobenzorex in aortic segments of rats *Brazilian Journal of Medical and Biological Research*

2017 Effects Of Indomethacin On Prostanoids Synthesis and Vasomotor Responsiveness in Endothelium-Denuded Abdominal and Thoracic Aortas of Wistar Rats. *Clin Exp Hypertens*.

**Dr. Correa Basurto José**

2021 Implication of Nicotinamide Adenine Dinucleotide Phosphate (NADPH) Oxidase and Its Inhibitors in Alzheimer's Disease Murine Models. *Antioxidants (Basel)*

2021 Modifications on the Tetrahydroquinoline Scaffold Targeting a Phenylalanine Cluster on GPER as Antiproliferative Compounds against Renal, *Liver. Pharmaceuticals (Basel)*

2020 Neuroprotective Effects of Apocynin and Galantamine During the Chronic Administration of Scopolamine in an Alzheimer's Disease Model. *J Mol Neurosc*

2020 Binding of Folate-G4-PAMAM dendrimer conjugate with indomethacin via ligand diffusion MD simulations. *J Biomol Struct Dyn*

2020 Exploring the biotransformation of N-(2-hydroxyphenyl)-2-propylpentanamide (an aryl valproic acid derivative) by CYP2C11, using in silico. *J Pharm Pharmacol*.



- 2020 Exploring the inhibitory activity of valproic acid against the HDAC family using an MMGBSA approach. *J Comput Aided Mol Des*
- 2020 N-Heterocycles Scaffolds as Quorum Sensing Inhibitors. Design, Synthesis, Biological and Docking Studies. *Int J Mol Sci*
- 2020 DNA methylation of the RE-1 silencing transcription factor in peripheral blood mononuclear cells and gene expression of antioxidant enzyme in. *Exp Gerontol.*
- 2020 Molecular modeling and LC-MS-based metabolomics of a glutamine-valproic acid (Gln-VPA) derivative on HeLa cells. *Mol Divers.*
- 2020 Bioinformatics design and experimental validation of influenza A virus multi-epitopes that induce neutralizing antibodies. *Arch Virol.*
- 2020 Tert-butyl-(4-hydroxy-3-((3-(methylpiperidiny) propyl)carbamoyl)phenyl) carbamate Has Moderated Protective Activity in Astrocytes Stimulated. *Molecules.*
- 2020 In silico and in vivo studies of gp120-HIV-derived peptides in complex with G4 PAMAM dendrimers. *RSC Advances*
- 2020 Epigenetic Evaluation of N-(2-hydroxyphenyl)-2-propylpentanamide, a Valproic Acid Aryl Derivative with activity against HeLa cells. *Curr Mol Pharmacol.*
- 2020 N-(2'-Hydroxyphenyl)-2-Propylpentanamide (HO-AAVPA) Inhibits HDAC1 and Increases the Translocation of HMGB1 Levels in Human Cervical. *Int J Mol Sci.*
- 2020 O-Alkyl Hydroxamates Display Potent and Selective Antileishmanial Activity. *J Med Chem.*



- 2020 Complexation of peptide epitopes with G4-PAMAM dendrimer through ligand diffusion molecular dynamic simulations. *J Mol Graph Model*.
- 2020 Fucosterol from *Sargassum horridum* as an amyloid-beta (A1-42) aggregation inhibitor: in vitro and in silico studies. *J Biomol Struct Dyn*.
- 2020 Anti-epileptic activity, toxicity and teratogenicity in CD1 mice of a novel valproic acid arylamide derivative, N-(2-hydroxyphenyl)-2-. *Toxicol Appl Pharmacol*
- 2020 Hydroxamic acid derivatives as HDAC1, HDAC6 and HDAC8 inhibitors with antiproliferative activity in cancer cell lines. *Sci Rep*.
- 2020 Targeting Breast Cancer Cells with G4 PAMAM Dendrimers and Valproic Acid Derivative Complexes. *Anticancer Agents Med Chem*.
- 2020 Repositioning of Ligands That Target the Spike Glycoprotein as Potential Drugs for SARS-CoV-2 in an In Silico Study. *Molecules*.
- 2020 Apoptotic Effects of N-(2-hydroxyphenyl)-2-propylpentanamide on U87-MG and U-2 OS Cells and Antiangiogenic Properties. *Anticancer Agents Med Chem*.
- 2020 Chronic Administration of Scopolamine Increased GSK3P9, Beta Secretase, Amyloid Beta, and Oxidative Stress in the Hippocampus of Wistar Rats. *Mol Neurobiol*
- 2020 Molecular dynamics of the histamine H3 membrane receptor reveals different mechanisms of GPCR signal transduction. *Sci Rep*
- 2020 Immunoinformatics study to search epitopes of spike glycoprotein from SARS-CoV-2 as potential vaccine. *J Biomol Struct Dyn* .



- 2020 Effect of New Analogs of Hexyloxy Phenyl Imidazoline on Quorum Sensing in *Chromobacterium violaceum* and In Silico Analysis of Ligand-. *Journal of Chemistry*
- 2019 Pharmacokinetics and tissue distribution of N-(2-hydroxyphenyl)-2-propylpentanamide in Wistar Rats and its binding properties to human serum. *Journal of Pharmaceutical and Biomedical Analysis*
- 2019 Rheological mucoadhesion and cytotoxicity of montmorillonite clay mineral/hybrid microparticles biocomposite. *APPLIED CLAY SCIENCE*
- 2019 Docking analysis provide structural insights to design novel ligands that target PKM2 and HDC8 with potential use for cancer therapy. *MOLECULAR SIMULATION*.
- 2019 Identification of the NADP<sup>+</sup> Structural Binding Site and Coenzyme Effect on the Fused G6PD::6PGL Protein from *Giardia lamblia*. *Biomolecules*.
- 2019 Design, synthesis, molecular docking and in vitro evaluation of benzothiazole derivatives as 11 beta-hydroxysteroid dehydrogenase type 1. *MOLECULAR DIVERSITY*
- 2019 In vitro and in silico evaluation of fucosterol from *Sargassum horridum* as potential human acetylcholinesterase inhibitor. *JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS*
- 2019 Structural and energetic basis for the inhibitory selectivity of both catalytic domains of dimeric HDAC6. *JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS*
- 2019 Valproic acid as a sensitizing agent for cancer treatment. *GACETA MEDICA DE MEXICO*.





- 2019 Insights into structural features of HDAC1 and its selectivity inhibition elucidated by Molecular dynamic simulation and Molecular Docking. *J Biomol Struct Dyn*.
- 2019 Cell-based assays and molecular dynamics analysis of a boron-containing agonist with different profiles of binding to human and guinea pig. *Eur Biophys J*.
- 2019 Studying the collective motions of the adenosine A2A receptor as a result of ligand binding using principal component analysis. *J Biomol Struct Dyn*.
- 2019 In silico search, chemical characterization and immunogenic evaluation of amino-terminated G4-PAMAM-HIV peptide complexes using three-. *Colloids Surf B Biointerfaces*.
- 2019 Synthesis and biological evaluation of novel chromonyl enamines as - glucosidase inhibitors. *MEDICINAL CHEMISTRY RESEARCH*.
- 2019 Structural and energetic basis for novel epicatechin derivatives acting as GPER agonists through the MMGBSA method. *JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR BIOLOGY*
- 2019 Molecular mechanism of the association and dissociation of Deltarasin from the heterodimeric KRas4B-PDE delta complex. *BIOPOLYMERS*
- 2019 Molecular dynamics simulations reveal structural differences among wild-type NPC1 protein and its mutant forms. *JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS*
- 2019 A Model for the Homotypic Interaction between Na<sup>+</sup>,K<sup>+</sup>-ATPase 1 Subunits Reveals the Role of Extracellular Residues 221-229 in Its Ig-Like. *Int J Mol Sci*.



- 2019 Synthesis and In Vitro Evaluation of Tetrahydroquinoline Derivatives as Anti-proliferative Compounds of Breast Cancer via Targeting the GPER. *ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY*
- 2018 Selection of G1-PABA as a GPER1 ligand compared to phenol red via a ligand-based virtual screening coupled to molecular dynamics simulations. *Anticancer Agents Med Chem*
- 2018 KRas4B-PDE6 complex stabilization by small molecules obtained by virtual screening affects Ras signaling in pancreatic cancer. *BMC Cancer*.
- 2018 The small organic molecule C19 binds and strengthens the KRAS4b-PDE complex and inhibits growth of colorectal cancer cells in vitro and in. *BMC Cancer*
- 2018 *Oenothera rosea* L'Hér. ex Ait attenuates acute colonic inflammation in TNBS-induced colitis model in rats: in vivo and in silico myeloperoxidase. *Biomedicine and Pharmacotherapy*
- 2018 Recent Advances by In Silico and In Vitro Studies of Amyloid- 1-42 Fibril Depicted a S-Shape Conformation. *Int J Mol Sci*.
- 2018 In vitro and in silico evaluation of fucosterol from *Sargassum horridum* as potential human acetylcholinesterase inhibitor. *J Biomol Struct Dyn*
- 2018 In vitro and in silico studies of terpenes, terpenoids and related compounds with larvicidal and pupaecidal activity against *Culex quinquefasciatus*. *Chem Cent J*.
- 2018 Controlled release of N-(2-hydroxyphenyl)-2-propylpentanamide nanoencapsulated in polymeric micelles of P123 and F127 tested as anti-. *Journal of Drug Delivery Science and Technology*



- 2018 Structural and energetic basis for the inhibitory selectivity of both catalytic domains of dimeric HDAC6. *J Biomol Struct Dyn*.
- 2018 N-(2'-Hydroxyphenyl)-2-propylpentanamide (OH-VPA), a histone deacetylase inhibitor, induces the release of nuclear HMGB1 and modifies ROS. *Oncotarget*
- 2018 Structural and energetic basis for the molecular recognition of dual synthetic vs. natural inhibitors of EGFR/HER2 *International Journal of Biological Macromolecules*
- 2018 Synthesis of novel ( $\zeta$ )-epicatechin derivatives as potential endothelial GPER agonists: Evaluation of biological effects *Bioorganic and Medicinal Chemistry Letters*
- 2017 Heterodimerization of the Entamoeba histolytica EhCPADH virulence complex through molecular dynamics and protein-protein docking. *Journal of Biomolecular Structure and Dynamics*
- 2017 Molecular recognition between pancreatic lipase and natural and synthetic inhibitors. *International Journal of Biological Macromolecules*.
- 2017 Ligand recognition properties of the vasopressin V2 receptor studied under QSAR and molecular modeling strategies. *Chemical Biology and Drug Design*.
- 2017 Principal Physicochemical Methods Used to Characterize Dendrimer Molecule Complexes Used as Genetic Therapy Agents, *Nanovaccines or Drug*. *Current Pharmaceutical Design*
- 2017 Theoretical Studies for Dendrimer-Based Drug Delivery. *Current Pharmaceutical Design*



2017 Design, in silico studies, synthesis and  $\text{in vitro}$  evaluation of oseltamivir derivatives as inhibitors of neuraminidase from influenza A virus H1N1. *European Journal of Medicinal Chemistry*

2017 Pharmaceutical Applications of Dendrimers. *Current Pharmaceutical Design*.

2017 In silico design, chemical synthesis and toxicological evaluation of 1,3-thiazolidine-2,4-dione derivatives as PPAR agonists. *Regulatory Toxicology and Pharmacology*.

2017 Docking and QSAR Studies of Aryl-valproic Acid Derivatives to Identify Anti-proliferative Agents Targeting the HDAC8. *Anti-Cancer Agents in Medicinal Chemistry*.

2017 Aromatic Regions Govern the Recognition of NADPH Oxidase Inhibitors as Diapocynin and its Analogues. *Archiv der Pharmazie*.

2017 Study of new interactions of glitazone's stereoisomers and the endogenous ligand 15d-PGJ2 on six different PPAR gamma proteins. *Biochemical Pharmacology*.

2017 Searching the conformational complexity and binding properties of HDAC6 through docking and molecular dynamic simulations. *Journal of Biomolecular Structure and Dynamics*.

2017 Conformational changes associated with L16P and T118M mutations in the membrane-embedded PMP22 protein, consequential in CMT-1A. *Journal of Biomolecular Structure and Dynamics*.

2017 Understanding the Molecular Basis of agonist/antagonist mechanism of GPER1/GPR30 through structural and energetic analyses. *Journal of Steroid Biochemistry and Molecular Biology*.



- 2017 A new nucleocytoplasmic RhoGAP protein contributes to control the pathogenicity of *Entamoeba histolytica* by regulating EhRacC and EhRacD. *Cellular Microbiology*.
- 2017 Fluorine-containing benzothiazole as a novel trypanocidal agent: design, in silico study, synthesis and activity evaluation. *Med Chem Res*.
- 2017 Asp32 and Asp228 determine the selective inhibition of BACE1 as shown by docking and molecular dynamics simulations. *European Journal of Medicinal Chemistry*.
- 2017 N-(2-hydroxyphenyl)-2-propylpentanamide, a valproic acid aryl derivative designed in silico with improved anti-proliferative activity in HeLa. *J Enzyme Inhib Med Chem*.
- 2017 Energetic and conformational features linked to the monomeric and dimeric states of bovine BLG. *Int J Biol Macromol*.
- 2017 Pharmacokinetics in Wistar Rats of 5-[(4-Carboxybutanoyl)Amino]-2-Hydroxybenzoic Acid: A Novel Synthetic Derivative of 5-Aminosalicylic Acid. *PLoS One*
- 2017 A New Nucleocytoplasmic RhoGAP Protein Contributes to Control the Pathogenicity of *Entamoeba histolytica* by Regulating EhRacC and EhRacD. *Cellular Microbiology*.
- 2017 Mapping the intrinsically disordered properties of the flexible loop domain of Bcl-2: a molecular dynamics simulation study. *J Mol Model*.
- 2017 Exploring the conformational and binding properties of unphosphorylated/phosphorylated monomeric and trimeric Bcl-2 through docking and. *Biopolymers*



- 2017 Anticonvulsant and Toxicological Evaluation of Parafluorinated/Chlorinated Derivatives of 3-Hydroxy-3-ethyl-3-phenylpropionamide. *BioMed Research International*.
- 2017 Current tools and methods in Molecular Dynamics (MD) simulations for drug design. *Current Medicinal Chemistry*.
- 2017 Predicted 3D Model of the Rabies Virus Glycoprotein Trimer. *BioMed Research International*
- 2017 Docking Simulation of the Binding Interactions of Saxitoxin Analogs Produced by the Marine Dinoflagellate *Gymnodinium catenatum* to the. Toxins (*Basel*)
- 2017 Energetic and flexibility properties captured by long molecular dynamics simulations of a membrane-embedded pMHCII-TCR complex. *Mol Biosyst*.
- 2017 Docking studies of glutamine valproic acid derivative (S)-5-amino-2-(heptan-4-ylamino)-5-oxopentanoic acid (Gln-VPA) on HDAC8 with. Anti-Cancer Agents in Medicinal Chemistry.
- 2017 In silico studies most employed in the discovery of new antimicrobial agents. *Curr Med Chem*.
- 2017 Antiprotozoal constituents from *Annona cherimola* Miller, a plant used in Mexican traditional medicine for the treatment of diarrhea and dysentery  
*Pharmacognosy Magazine*
- 2017 Design, Synthesis and Biological Evaluation of a Phenyl Butyric Acid Derivative, N-(4-chlorophenyl)-4-phenylbutanamide: A HDAC6 Inhibitor with Anti-proliferative Activity on Cervix Cancer and Leukemia Cells *ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY*



2017 Binding free energy calculations using MMPB/GBSA approaches for PAMAM-G4-drug complexes at neutral, basic and acid pH conditions *Journal of Molecular Graphics and Modelling*

**Dra. Déciga Campos Myrna**

2021 Synergistic interaction between haloperidol and gabapentin in a model of neuropathic nociception in rat. *European Journal of Pharmacology*.

2021 Antinociceptive Synergy Between Metamizole and Hesperidin in a Model of visceral Pain in Mice. *Archives of medical research*.

2020 Antinociceptive effects of Salvia divinorum and bioactive salvivorins in experimental pain models in mice. *Journal of Ethnopharmacology*.

2020 Design and synthesis of N(benzylpiperidinyl)4fluorobenzamide: A haloperidol analog that reduces neuropathic nociception via 1 receptor. *Life sciences*

2020 Study of Antispasmodic and Antidiarrheal Activities of Tagetes lucida (Mexican Tarragon) in Experimental Models and Its Mechanism of Action. *Evid Based Complement Alternat Med*.

2020 Glaucacetalin E and galphimidin B from Galphimia glauca and their anxiolytic activity. *Journal of ethnopharmacology*

2020 Pharmacological Analysis of the Anti-inflammatory and Antiallodynic Effects of Zinagrandinolide E from Zinnia grandiflora in Mice. *Journal of natural products*.

2020 Affinin and hexahydroaffinin: Chemistry and toxicological profile. *Drug Development Research*.



2020 Sigma-1 receptor antagonist (BD-1063) potentiates the antinociceptive effect of quercetin in neuropathic pain induced by chronic constriction. *Drug Development Research*.

2019 Antinociceptive Potential of *Zinnia grandiflora*. *Journal of Natural Products*.

2019 Gastrointestinal activity of *Justicia spicigera* Schlttdl. in experimental models. *Natural Product Research*.

2018 Spasmolytic effect of aqueous extract of *Tagetes erecta* L. flowers is mediated through calcium channel blockade on the guinea-pig ileum. *Biomedicine & Pharmacotherapy*.

2018 Analysis of self-reported adverse reactions to efavirenz and drug interactions in a population with HIV in Mexico. *European Journal of Hospital Pharmacy*

2018 Synthesis and antinociceptive evaluation of bioisosteres and hybrids of naproxen, ibuprofen and paracetamol. *Biomedicine & Pharmacotherapy*.

2017 Antinociceptive and Antihyperalgesic Activity of a Traditional Maya Herbal Preparation Composed of *Pouteria Campechiana*, *Chrysophyllum Cainito*. *Drug Development Research*.

2017 Analysis of self-reported adverse reactions to efavirenz and drug interactions in a population with HIV in Mexico. *European Journal of Hospital Pharmacy*.

2017 Antinociceptive pharmacological profile of *Dysphania graveolens* in mouse. *Biomedicine & Pharmacotherapy*.

2017 Low doses of tizanidine synergize the anti-nociceptive and anti-inflammatory effects of ketorolac or naproxen while reducing of side effects. *European Journal of Pharmacology*.





2017 Antihyperalgesic activity of a mexicanolide isolated from *Swietenia humilis* extract in nicotinamide-streptozotocin hyperglycemic mice. *Biomedicine & Pharmacotherapy*

2017 The Effect of Gabapentin and Tramadol in Cancer Pain Induced by Glioma Cell in Rat Femur. *Drug Development Research*

2017 N-(2-morpholin-4-yl-ethyl)-2-(1naphthyloxy)acetamide inhibits the chronic constriction injury-generated hyperalgesia via the antagonism of. *European Journal of Pharmacology*

2017 Synergistic antinociceptive interaction of *Syzygium aromaticum* or *Rosmarinus officinalis* coadministered with ketorolac in rats. *Biomedicine & Pharmacotherapy*.

2017 Antinociceptive effect of natural and synthetic alkamides involves TRPV1 receptors. *The Journal of Pharmacy and Pharmacology*.

2017 The Antinociceptive Effects of Tramadol and/or Gabapentin on Rat Neuropathic Pain Induced by a Chronic Constriction Injury. *Drug Development Research*.

2017 Pharmacological profile of N-(2,6-dichlorophenyl)-2-(4-methyl-1-piperidiny)acetamide, a novel analogue of lidocaine. *Life Sciences*.

2017 Proposal for early detection of ethanol consumption in students of the Universidad Autónoma del Estado de Morelos. *Gaceta Medica de México*.

2017 Antihyperalgesic Activity of *Rhodiola rosea* in a Diabetic Rat Model. *Drug Development Research*.

2017 Complementary pharmacological and toxicological characterization data on the pharmacological profile of N-(2,6-dichlorophenyl)-2-(4-methyl-. *Data Brief*



2017 Moringa Oleifera, A Species With Potential Analgesic And Antiinflammatory Activities. *Biomed Pharmacother. /j.biopha.2016.12.107*

2017 Spasmogenic and Spasmolytic Activities Of Agast Ache Mexicana ssp. Mexicana and A. Mexicana ssp. Xolocotziana Methanolic Extracts On The Guinea Pig Ileum. *J Ethnopharmacol.*

**Dra. Espinosa Raya, Judith**

2019 Association of anthropometric indicators to evaluate nutritional status and cardiometabolic risk in Mexican teenagers. *Nutrición Hospitalaria*

2018 Choline acetyltransferase and TrkA expression, as well as the improvement in cognition produced by E2 and P4 in ovariectomized rats, are blocked. *Behavioural Pharmacology*

2018 Design (Docking and QSAR Studies) and synthesis of histone deacetylase 2 (HDAC2) inhibitors series. *Medicinal Chemistry Research.*

2017 Agonist E-6837 and antagonist SB-271046 of 5-HT<sub>6</sub> receptors both reverse the depressive-like effect induced in mice by subchronic ketamine. *Behavioural Pharmacology.*

2017 Tibolone modulates neuronal plasticity through regulating Tau, GSK3/Akt/PI3K pathway and CDK5 p35/p25 complexes in the hippocampus of. *Neural Regeneration Research.*

2017 An enriched environment and 17-beta estradiol produce similar pro-cognitive effects on ovariectomized rats. *Cognitive Processing.*

2017 Ovariectomy Increases the Age-Induced Hyperphosphorylation of Tau at Hippocampal CA1. *Cognitive Processing.*



**Dra. Hernández Zavala Araceli**

2020 Two Novel FAM20C Variants in A Family with Raine Syndrome. *Genes - Open Access Journal*.

2019 Arsenic exposure: A public health problem leading to several cancers. *Regulatory toxicology and pharmacology*.

2019 Exposure of Fluoride with Streptozotocin-Induced Diabetes Aggravates Testicular Damage and Spermatozoa Parameters in Mice. *Journal of toxicology*.

2018 Curcumin differentially affects cell cycle and cell death in acute and chronic myeloid leukemia cells. *Oncology Letters*.

**Dr. López Sánchez Pedro**

2020 Preeclampsia as predisposing factor for hypertensive retinopathy: Participation by the RAAS and angiogenic factors. *Experimental Eye Research*.

2020 Chronic restraint stress induces serotonin transporter expression in the rat adrenal cortex. *Molecular and Cellular Endocrinology*.

2019 (Pro)renin/renin receptor expression during normal and preeclamptic pregnancy in rats. *Life Sciences*

2019 Effect of chronic corticosterone treatment on expression and distribution of serotonin 5-HT<sub>7</sub> receptors in rat adrenal glands. *Can J Physiol Pharmacol*

2018 Liposomes loaded with cisplatin and magnetic nanoparticles: physicochemical characterization, pharmacokinetics and in-vitro efficacy. *Molecules*.

2017 Alpha-D-Galactosidase does not interfere with Trimebutine oral bioavailability in Mexican healthy volunteers. En revision. *J Bioequiv Bioavail*.



**Dra. López Mayorga Ruth Mery.**

2021 Role of pregnancy on insulin-induced vasorelaxation: the influence of angiotensin II receptors. *Canadian Journal of Physiology and pharmacology*

2021 Synergistic interaction between B vitamins and statins to counter nociception in rats. *Drug Development Research.*

2020 Possibles mechanism involved in the effect of the subchronic administration of rosuvastatin on endotelial function in rats with methabolic. *Brazilian Journal of Medical and Biological Research.*

2020 Left ventricular phosphorylation patterns of Akt and ERK1/2 after triiodothyronine intracoronary perfusion in isolated hearts and short-term in vivo. *Iran J Basic Med Sci.*

2020 Comparative study of acute in vitro and short-term in vivo triiodothyronine treatments on the contractile activity of isolated rat thoracic aortas. *Korean Journal Physiology Pharmacology.*

2018 Design, synthesis and in vitro evaluation of a Dopa-organoboron compound that acts as a bladder relaxant through non-catecholamine receptors. *Molecular Diversity.*

2017 Effects of indomethacin on prostanoids synthesis and vasomotor responsiveness in endothelium-denuded abdominal and thoracic aortas of Wistar. *Clinical and Experimental Hypertension.*



**Dra. Mendieta Wejebe Jessica Elena**

2020 Current molecular aspects in the development and treatment of diabetes. *Journal of Physiology and Biochemistry*.

2020 Exploring the biotransformation of N-(2-hydroxyphenyl)-2-propylpentanamide (an aryl valproic acid derivative) by CYP2C11, using in silico. *Journal of Pharmacy and Pharmacology*.

2019 Antihyperglycemic activity of the leaves from *Annona diversifolia* Safford. and Farnesol on normal and alloxan-induced diabetic mice. *Pharmacognosy Magazine*.

2019 Structure-activity relationship study of acyclic terpenes in blood glucose levels: potential alpha-glucosidase and sodium glucose cotransporter. *Molecules*.

2019 Novel 5-aminosalicylic derivatives as anti-inflammatories and myeloperoxidase inhibitors evaluated in silico, in vitro and ex vivo. *Arabian Journal of Chemistry*.

2019 Evaluation of a new benzothiazole derivative with antioxidant activity in the initial phase of acetaminophen toxicity. *Arabian Journal of Chemistry*.



2019 N-(2'-hydroxyphenyl)-2-propylpentanamide (OH-VPA), a histone deacetylase inhibitor, induces the release of nuclear HMGB1 and modifies ros. *Oncotarget*.

2019 Pharmacokinetics and tissue distribution of N-(2-hydroxyphenyl)-2-propylpentanamide in Wistar rats and its binding properties to human serum. *Journal of Pharmaceutical and Biomedical Analysis*.

2018 Computational study of the binding modes of diverse DPN analogues on estrogen receptors (ER) and the biological evaluation of a new potential. *Anti-Cancer Agents in Medicinal Chemistry*.

2017 In silico design, chemical synthesis and toxicological evaluation of 1,3-thiazolidine-2,4-dione derivatives as PPAR gamma agonists. *Regulatory Toxicology and Pharmacology*.

2017 Study of new interactions of glitazone's stereoisomers and the endogenous ligand 15d-PGJ2 on six different PPAR gamma proteins. *Biochemical Pharmacology*.



**Dra. Olivares Corichi Ivonne María**

2020 Apoptosis Induced by (-)-Epicatechin in Human Breast Cancer Cells is Mediated by Reactive Oxygen Species. *Molecules*.

2019 Characterization of Oxidative Stress and Ammonia According to the Different Grades of Hepatic Encephalopathy. *Digestiva Diseases*.

2018 Impact of intestinal mannitol on hyperammonemia, oxidative stress and severity of hepatic encephalopathy in the ED. *The American journal of emergency medicine*.

2018 Lecithin-chitosan-TPGS nanoparticles as nanocarriers of (-)-epicatechin enhanced its anticancer activity in breast cancer cells. *RSC Adv*

2017 An association of cocoa consumption with improved physical fitness and decreased muscle damage and oxidative stress in athletes. *J Sports Med Phys Fitness*.

2017 Preeclampsia is associated with ACE I/D polymorphism, obesity and oxidative damage in Mexican women. *Pregnancy Hypertension*.

2017 Effects of polyalthic acid from *Croton reflexifolius* on Viability of cancerous cells. *International Journal of Pharmacology*.



**Dra. Padilla Martínez Itzia Irene**

2021 Modifications on the Tetrahydroquinoline Scaffold Targeting a Phenylalanine Cluster on GPER as Antiproliferative Compounds against Renal, Liver. *Pharmaceuticals*.

2020 Effect of trimesic acid as chelating agent in sulfided CoMoP/gama-Al<sub>2</sub>O<sub>3</sub> catalyst for hydrodesulfurization of straight-run gas oil. *Catalysis Today*.

2020 Mechanochemical Synthesis and Structure of the Tetrahydrate and Mesoporous Anhydrous Metforminium(2+)-N,N'-1,4-Phenylenedioxalamic Acid. *Pharmaceutics*.

2020 Inhibitory activity on cholinesterases produced by aryl-phthalimide derivatives: green synthesis, in silico and in vitro evaluation. *Medicinal Chemistry Research*.

2020 Surface modification of the Ti-6Al-4V Alloy by anodic oxidation and its effect on osteoarticular cell proliferation. *Coatings*.

2020 Fast kinetic redox process in layered cobaltous terephthalate MOF-type for aqueous hybrid devices. Magnetic properties as sensor of Co-Co. *Electrochimica Acta*.





2020 Anti-inflammatory effect and inhibition of nitric oxide production by targeting COXs and iNOS enzymes with the 1,2-diphenylbenzimidazole.

*Bioorganic and medicinal chemistry.*

2020 Design, synthesis, molecular docking and in vitro evaluation of benzothiazole derivatives as 11-hydroxysteroid dehydrogenase type 1 inhibitors. *Molecular Diversity.*

2020 Crystal structure and supramolecular architecture of antiallergic diphenylene diethyl dioxalamates. *Crystals.*

2019 Evaluation of a new benzothiazole derivative with antioxidant activity in the initial phase of acetaminophen toxicity. *Arabian Journal of Chemistry.*

2019 Isothioureas, Ureas and their N-methylamides From 2-Aminobenzothiazole and Chiral Aminoacids. *Molecules.*

2019 Design, synthesis, molecular docking and in vitro evaluation of benzothiazole derivatives as 11-hydroxysteroid dehydrogenase type 1 inhibitors. *Molecular Diversity.*

2019 Methods to Access 2-aminobenzimidazoles of medicinal importance. *Current Organic Chemistry.*



2019 Design, synthesis and in vitro evaluation of a Dopa-organoboron compound that acts as a bladder relaxant through non-catecholamine receptors. *Molecular Diversity*

2019 Profiling the interaction of 1phenylbenzimidazoles to Cyclooxygenases. *Journal of Molecular Recognition*.

2019 Novel 5-aminosalicylic derivatives as anti-inflammatories and myeloperoxidase inhibitors evaluated in silico, in vitro and ex vivo. *Arabian Journal of Chemistry*.

2018 Involvement of conformational isomerism in the complexity of the crystal network of 1-(4-nitrophenyl)-1H-1,3-benzimidazole derivatives driven. *Acta Crystallographica, Section C: Structural Chemistry*.

2018 Crystal structure, DFT calculations and evaluation of 2-(2-(3,4-dimethoxyphenyl)ethyl)isoindoline-1,3-dione as AChE inhibitor. *CHEMISTRY CENTRAL JOURNAL*.

2018 2-Acetyl-4-aminoresorcinol derivatives: synthesis, antioxidant activity and molecular docking studies. *Medicinal Chemistry Research*.



2018 Ephedrines as Chiral Auxiliaries in Enantioselective Alkylation Reactions of Acyl Ephedrine Amides and Esters: A Review. *Current Organic Synthesis*.

2017 In silico design, chemical synthesis and toxicological evaluation of 1,3-thiazolidine-2,4-dione derivatives as PPAR $\gamma$  agonists. *Regulatory Toxicology & Pharmacology*.

2017 Solventless Synthesis of Poly(pyrazolyl) phenyl-methane Ligands and Thermal Transformation of Tris(3,5-dimethylpyrazol-1-yl)phenylmethane. *Molecules*

2017 Helical arrangement of 2-(4-hydroxy-3-methoxyphenyl)-benzothiazole in the crystal, and biological evaluation on HeLa Cells. *Crystals*.

2017 Design, in silico studies, synthesis and in vitro evaluation of oseltamivir derivatives as inhibitors of neuraminidase from influenza A virus H1N1. *European Journal of Medicinal Chemistry*.

2017 Positional Isomerism and Steric Effects in the Self-Assemblies of Phenylene Bis-Monothiooxalamides. *Crystal Growth and Design*.

2017 Aromatic Regions Govern the Recognition of NADPH Oxidase Inhibitors as Diapocynin and its Analogues. *Archiv der Pharmazie*.



2017 Novel synthesis of isoindoline/isoindoline-1,3-dione derivatives under solventless conditions and evaluation with the human. *Medicinal Chemistry Research*.

**Dra. Páez Martínez Nayeli**

2020 Influence of the type of childhood violence on cannabis abuse and dependence among adolescents: a systematic review and meta-analysis. *Adicciones*.

2020 Environmental enrichment reduces behavioural sensitization in mice previously exposed to toluene: The role of D1 receptors. *Behavioural Brain Research*.

2020 COVID-19: enfoque básico para entender sus tratamientos. *Gaceta Médica de México*.

2019 Environmental enrichment restores oxidative balance in animals chronically exposed to toluene: Comparison with melatonin. *Brain Research Bulletin*.

2019 Physical exercise and social interaction in complex environments reverse memory deficits induced by inhalants. *Adaptive Behavior*.

2017; Environmental Enrichment Reverses Memory Impairment Induced by Toluene in Mice. *Neurotoxicol Teratol*.

**Dr. Picazo Picazo Ofir**

2020 Biochemical and Behavioral Characterization of IN14, a New Inhibitor of HDACs with Antidepressant-Like Properties. *Biomolecules*.



2020 Cyclic changes and actions of progesterone and allopregnanolone on cognition and hippocampal basal (stratum oriens) dendritic spines of female. *Behavioural Brain Research*.

2020 Reduction of dopaminergic transmission in the globus pallidus increases anxiety-like behavior without altering motor activity. *Behavioural Brain Research*.

2020 Impact of Exposure to Environmental Enrichment on the Anxiety-Like Behavior of Ovariectomized Mice. *Iranian Journal of Psychiatry*.

2019 Pregnancies alters spine number in cortical and subcortical limbic brain regions of old rats. *Synapse*.

2019 Prolactin prevents the kainic acid-induced neuronal loss in the rat hippocampus by inducing prolactin receptor and putatively increasing the. *Neuroscience Letters*.

2019 Efecto de la amigdalotomía e hipotalamotomía unilateral en pacientes con agresividad refractaria. *Gaceta Médica de México*.

2018 Design (Docking and QSAR Studies) and synthesis of histone deacetylase 2 (HDAC2) inhibitors series. *Medicinal Chemistry Research*.

2018 Choline acetyltransferase and TrkA expression, as well as the improvement in cognition produced by E2 and P4 in ovariectomized rats, are blocked. *Behavioural Pharmacology*.

2017 Agonist E-6837 and antagonist SB-271046 of 5-HT6 receptors both reverse the depressive-like effect induced in mice by subchronic ketamine. *Behavioural Pharmacology*.

2017 Perception time in the neuropsychopathology: A systematic review. *Psiquiatría Biológica*.



**Dr. Rubio Gayosso Ángel Iván Orlando**

2020 Randomized Trial of Deep Vein Thrombosis Chemoprophylaxis with Bemiparin and Enoxaparin in Patients with Moderate to High Thrombogenic. *Aesthetic Plastic Surgery*.

2020 Arginase inhibition by (-)-Epicatechin reverses endothelial cell aging. *European Journal of Pharmacology*.

2020 Nutraceuticals in the Treatment of Pulmonary Arterial Hypertension. *International Journal of Molecular Sciences*.

2019 Effect of (-)-epicatechin on the modulation of progression markers of chronic renal damage in a 5/6 nephrectomy experimental model. *HELIYON*.

2019 Effects of chronic inhibition of Testosterone metabolism on cardiac remodeling after ischemia/reperfusion-induced myocardial damage in. *BIOLOGY OPEN*.

2019 High Flavonoid Cocoa Supplement Ameliorates Plasma Oxidative Stress and Inflammation Levels While Improving Mobility and Quality of Life in. *OF GERONTOLOGY SERIES A-BIOLOGICAL SCIENCES AND MEDICAL SCIENCES*.

2018 The cardioprotective effects of (-)-Epicatechin are mediated through arginase activity inhibition in a murine model of ischemia/reperfusion. *European Journal of Pharmacology*.

2018 Association of physical performance tests with frailty indicators and oxidative stress markers in a sample of a community-dwelling elderly. *Biomedical Research*.



2018 Characterization of the cytotoxic effects of the combination of cisplatin and flavanol (-)-epicatechin on human lung cancer cell line A549. *Experimental Oncology*.

2017 Participation of COX-1 and COX-2 in the contractile effect of phenylephrine in prepubescent and old rats. *Korean Journal of Physiology and Pharmacology*.

2017 Changes in vascular reactivity of the coronary artery and thoracic aorta in the delta sarcoglycan null mutant mice. *Physiology and Pharmacology (Iran)*

**Dr. Trujillo Ferrara José Guadalupe**

2020 A Fluorinated Phenylbenzothiazole Arrests the Trypanosomacruzi Cell Cycle and Diminishes the Infection of Mammalian Host Cells. *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*.

2019 Cellbased assays and molecular dynamics analysis of a boroncontaining agonist with different profiles of binding to human and guinea pig beta2. *European Biophysics Journal with Biophysics Letters*.

2019 Novel phthalamide derivatives as antihypertensive agents: rapid and clean synthesis, in silico and in vivo evaluation. *Medicinal Chemistry Research*.

2019 Identification of two arylimides as cholinesterase inhibitors and testing of propranolol addition on impaired rat memory. *Drug Development Research*.

2019 Quantum reality in the selective reduction of a benzofuran system. *Molecules*.

2019 Synthesis and biological evaluation of novel 2,3-disubstituted benzofuran analogues of GABA as neurotropic agents. *Medicinal Chemistry*.

2019 Theoretical coupling and stability of boronic acid adducts with catecholamines. *Letters in Drug Design & Discovery*.



2019 Neuropharmacological screening of chiral and non-chiral phthalimidecontaining compounds in mice: in vivo and in silico experiments. *Medicinal Chemistry*.

2019 Design, synthesis and in vitro evaluation of a Dopa-organoboron compound that acts as a bladder relaxant through non-catecholamine receptors. *Molecular Diversity*.

2019 Profiling the interaction of 1-phenylbenzimidazoles to cyclooxygenases. *Journal of Molecular Recognition*.

2018 Apocynin combined with drugs as coadjuvant could be employed to prevent and/or treat the chronic kidney disease. *Renal Failure*.

2018 Profile of three boron-containing compounds on the body weight, metabolism and inflammatory markers of diabetic rats. *Journal of Trace Elements in Medicine and Biology*.

2018 Structural and Biological Overview of Boron-containing Amino Acids in the *Medicinal Chemistry Field*. *Current Medicinal Chemistry*.

2018 Isoindolines/isoindoline-1,3-diones as AChE inhibitors against Alzheimer's disease, evaluated by an improved ultramicro assay. *Medicinal Chemistry Research*.

2018 Crystal structure, DFT calculations and evaluation of 2-(2-(3,4-dimethoxyphenyl)ethyl)isoindoline-1,3-dione as AChE inhibitor. *Chemistry Central Journal*.

2018 Novel-Substituted Heterocyclic GABA Analogues. Enzymatic Activity against the GABA-AT Enzyme from *Pseudomonas fluorescens* and In Silico. *Molecules*.





2018 Advances of Bioinformatics Applied to Development and Evaluation of Boron-Containing Compounds. *Current Organic Chemistry*.

2017 Scope of lipid nanoparticles in neuroscience: Impact on the treatment of neurodegenerative diseases. *Current Pharmaceutical Design*

2017 Acetylcholinesterase inhibition by products generated in situ from the transformation of N-arylisomaleimides. *Medicinal Chemistry Research*.

2017 Cytotoxicity, Oxidative Stress, Cell Cycle Arrest, and Mitochondrial Apoptosis after Combined Treatment of Hepatocarcinoma Cells with Maleic. *Oxidative Medicine and Cellular Longevity*.

2017 Novel synthesis of isoindoline/isoindoline-1,3-dione derivatives under solventless conditions and evaluation with the human D2 receptor. *Medicinal Chemistry Research*.

2017 Helical arrangement of 2-(4-hydroxy-3-methoxyphenyl)-benzothiazole in the crystal, and biological evaluation on HeLa Cells. *Journal Crystals*.

2017 Recombinant 3-hydroxy 3-methyl glutaryl-CoA reductase from *Candida glabrata* (rec-CgHMGR) obtained by heterologous expression, as a novel. *Applied Biochemistry and Biotechnology*.

2017 Not all boronic acids with a five-membered cycle induce tremor, neuronal damage and decreased dopamine. *NeuroToxicology*.

2017 Design, in silico studies, synthesis and in vitro evaluation of oseltamivir derivatives as inhibitors of neuraminidase from influenza A virus H1N1. *European Journal of Medicinal Chemistry*.



2017 Scope of translational medicine in developing boron-containing compounds for therapeutics. *World Journal of Translational Medicine*.

2017 Design, synthesis and biological evaluation of a phenyl butyric acid derivative, N-(4-chlorophenyl)-4-phenylbutanamide: A HDAC6 inhibitor with. *Anti-Cancer Agents in Medicinal Chemistry*.

2017 Borons journey: advances in the study and application of pharmacokinetics. *Expert Opinion on Therapeutic Patents*

**Dr. Valencia Hernandez, Ignacio**

2020 Possible mechanisms involved in the effect of the subchronic administration of rosuvastatin on endothelial function in rats with metabolic. *Brazilian Journal of Medical and Biological Research*.

2018 Combined Antihypertensive Therapies That Increase Expression of Cardioprotective Biomarkers Associated With the Renin-Angiotensin and. *Journal of Cardiovascular Pharmacology*.

2017 Combination of beta Adrenergic Receptor Block and Renin-Angiotensin System Inhibition Diminished the Angiotensin II-Induced Vasoconstriction. DOSE-RESPONSE.

2017 Von Willebrand Factor: Multimeric Structure and Functional Activity in Patients With Atrial Fibrillation With and Without Oral Anticoagulation. *Clinical and Applied Thrombosis/Hemostasis*.

2017 Antihypertensive properties of a novel morphologic derivative (4-Tert-butyl-2,6-bis (thiomorpholine-4-ilmethyl)phenol). *Journal of Cardiovascular Pharmacology*.



**Dr. Villafaña Rauda Santiago**

2020 Silencing of GPR82 with Interference RNA Improved Metabolic Profiles in Rats with High Fructose Intake. *JOURNAL OF VASCULAR RESEARCH*.

2020 Chronic diabetes and hypertension impair the in vivo functional response to phenylephrine independent of 1-adrenoceptor expression. *European Journal Pharmacology*.

2019 Effect of omega-3 fatty acids supplementation combined with lifestyle intervention on adipokines and biomarkers of endothelial dysfunction in. *Journal of Nutritional Biochemistry*.

2019 Biotin improves relaxation of rat aortic rings in combination with antihypertensive drugs. *PharmaNutrition*.

2018 Altered function and expression of the orphan GPR135 at the cardiovascular level in diabetic Wistar rats. *Journal of Receptors and Signal Transduction*.

2017 Expression and localization of the AT<sub>1</sub> and AT<sub>2</sub> angiotensin II receptors and 1A and. *Clinical and Experimental Hypertension*.

2017 Evidence of alterations in the expression of orphan receptors GPR26 and GPR39 due to the etiology of the metabolic syndrome. *Journal of Receptors and Signal Transduction*.

2017 Possible involvement of orphan receptors GPR88 and GPR124 in the development of hypertension in spontaneously hypertensive rat. *Clinical and Experimental Hypertension*.



2017 Adipokines, asymmetrical dimethylarginine, and pulmonary function in adolescents with asthma and obesity. *Journal of Asthma*.

2017 Abnormality of adipokines and endothelial dysfunction in Mexican obese adolescents with insulin resistance. *Endocrine Research*.

### **Dra. Villanueva Lopez Guadalupe Cleva**

2019 Relationship between haemoglobin and glucose in type 1 experimental diabetes. *Journal of Physics: Conference Series*.

2019 Qualitative determination of hemoglobin in rats with septic shock by photoacoustic spectroscopy. *International Journal of thermophysics*.

2017 El mito del milagro de los antioxidantes. *Medicina Científica*

2017 Assessment of GRB2 dynamics vs Bioimpedance measurements as function of systemic infusion of "magnetic nanoparticle- Anti-Her 2 in an. *Journal of Nanomedicine Research*.

2017 Assessment of the systemic distribution of a bioconjugated anti-Her2 magnetic nanoparticle in a breast cancer model by means of magnetic. *Journal of Nanoparticles Research*.

### **Patentes en Otros Países**

### **Dra. Villanueva Lopez Guadalupe Cleva**

2019 Reduction of hyperglycemia by administration of dimethylformamide in hyperglycemic conditions including diabetes mellitus. 62/917,291



## **Patentes Registradas en México**

### **Dr. Correa Basurto Jose**

2020 Síntesis de derivados del ácido 5-aminosalicílico con actividad antioxidante.

MX/A/2013/007745

2019 Derivado del ácido valproico con potencial acción antineoplásica, inhibidor de la histona desacetilasa. MX/A/2013/002766

2018 Vacuna epitópica a partir de un epítipo inmunogénico de la neuraminidasa del virus de la influenza ah1n1. MX/A/2013/002764

### **Dra. Mendieta Wejebe Jessica Elena**

2016 Nuevo derivado de benzotiazol y ácido 5-aminosalicílico con actividad antioxidante y hepatoprotectora. 5905

### **Dra. Padilla Martínez Itzia Irene**

2019 Derivado del ácido valproico con potencial acción antineoplásica, inhibidor de la histona desacetilasa. MX/a/2013/002766

2019 Proceso asistido por microondas para la obtención de derivados del ácido (Z)-2-hidroxicinámico y su uso como antioxidantes. MX/a/2019/009330

2019 Método de síntesis para la obtención de los compuestos derivados del 4,5-dihidro-1H-pirazol y su uso como anti-proliferativos. MX/a/2019/011559

2016 Nuevo derivado de benzotiazol y ácido 5-aminosalicílico con actividad antioxidante y hepatoprotectora. MX/a/2013/013008.



**Dr. Trujillo Ferrara José Guadalupe**

2019 Derivado del ácido valproico con potencial acción antineoplásica, inhibidor de la histona desacetilasa. MX/E/2013/019314

2019 Síntesis de Análogos de Gaba-Aminoácidos y productos obtenidos. PCT/MX2015