BIOGRAPHICAL SKETCH

NAME
AMADOR CARDOSO, Jiovanni

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POSITION TITLE
BIOMEDICAL BACHELOR´S STUDENT-BENEMERITA UNIVERSIDAD AUTONOMA DE PUEBLA.
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DATE AND PLACE OF BIRTH April 28, 1997- Puebla, MEXICO
23 years old

CIVIL STATUS Single

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE		FIELD OF STUDY
Benemerita Universidad Autonoma de Puebla (BUAP)	B.Sc.		Biomedicine

A. Personal Statement

Cancer is the leading cause of death in the population of children due to disease, where leukemias are the most frequent. Despite the success of current chemotherapy regimens, more than 25% of leukemic patients do not achieve complete remission and relapse early, with a fatal outcome . Due to the great biological and molecular heterogeneity of this group of diseases , it has not been possible to identify the most vulnerable population or the population with a greater tendency to develop resistance to therapy, mainly due to the lack of experimental models that allow the maintenance of leukemic cells in vitro; and by the high dependence of leukemic cells on their microenvironment in the bone marrow. My major interest is develop a system that allows simulating the properties of bone marrow that impacts the maintenance of leukemic cells to test chemotherapeutic agents and evaluate their responses early. Additionally, having a prognostic tool that includes microenvironmental signals to identify chemoresistant patients early will be of great benefit to the clinical specialist in making therapeutic decisions.

B. Scientific activity

2017 Doing Science at BUAP-Autumn. "**CHARACTERISTICS OF E. COLI ALPHA HEMOLYSIN**". VIEP-BUAP.

2017 Second place winner in oral poster exhibition."**MiR-138 protects cardiac cells against hypoxia through modulation of glucose metabolism by targeting Pyruvate Dehydrogenase Kinase 1**". Ciencia que palpita-BUAP.

2018 Doing Science at BUAP-Summer. "**THE TYPE I SECRETION SYSTEM IN ACID-ACETIC BACTERIA**". VIEP-BUAP.

2018 Research stay in the molecular and cellular microbiology laboratory-BUAP. "**Plant-based extracts and their impact on bacterial quorum sensing**". XXIII DOLPHIN PROGRAM, Puebla, Mexico.

2018 Assistance and Poster. Amador Jiovanni, Balandrán JC, Pelayo Rosana."**Custom Organoids as Childhood Leukemia Forming Systems Predicting Chemoresistance**". XXIII ALAI- National Congress of Immunology, from May 14 to 18, 2018, Cancun, Quintana Roo, Mexico.

2019 Research stay in the Children's Hospital of Mexico "Federico Gomez". Amador Jiovanni, López Martínez Briceida."**Custom Organoids as Childhood Leukemia Forming Systems for Chemo-resistance Assessment**". XXIV DOLPHIN PROGRAM, CDMX, Mexico.

2020 Virtual research stay in the Cuahutemoc University-San Luis Potosí. Amador Jiovanni, Rodríguez-Paz Carlos Agustí. "**THE COVID-19 CONTINGENCY CHANGED THE INCIDENCE AND TYPE OF SURGICAL PROCEDURE AT HOSPIAL IMSS-50 DE S.L.P. AFTER THE START OF ISOLATION**". XXV DOLPHIN PROGRAM, S.L.P., Mexico.

C. Membership of Societies or scientific / technical groups:

Sociedad Mexicana de Inmunología, A.C.

D. Abilities:

Cell culture.
Handling of biological samples.
Handling of flow cytometry, analysis and acquisition.
EVOS fluorescence microscope handling.
Culture of primary cells and cell lines. Expansion and guard.

E. Languages:

English 40%
French: B2