

Alejandro Méndez

BIOTECHNOLOGIST

PHONE

+595 985120364

EMAIL

alemendezfer@gmail.com

LINKEDIN

Alejandro Méndez Ferreira

EDUCATION

Bioengineering Diploma

Universidad Comunera
September 2019 - December 2019

Degree in Biotechnology

Universidad Nacional de Asunción, FACEN.
2015 - 2018
GPA: 4.45/5. **Honor roll member**

High School diploma STEM track

Cristo Rey School
Class of 2014
GPA: 5/5. **Honor roll member**

PROFESSIONAL EXPERIENCES

Scientific initiation program | UNA, FACEN

Junior Researcher
2017- 2020

Mentoring classes of molecular cell biology for freshmen.

Short courses (Co-instructor)

Generation of biotechnology communication materials.

GBomedical| Asunción, Paraguay

Technical Advisor and Sales
January 2019 - March 2019

Contact with suppliers for representation and distribution of molecular cellular biology equipment, supplies and pharmaceutical and industrial laboratory equipment.

Phytochemical Laboratory, Plant Resources area | UNA, FACEN

Intern
2016

Processing and isolation of secondary metabolites (plants and fungi). Semisynthesis of secondary metabolites. Mushroom and plant sampling.

LEADERSHIP EXPERIENCES

Benjamin Franklin Science Corner | Paraguay

Volunteer
January 2017 - On going

School projects (Advisor).
School Science Workshops (instructor).
Clubes de Ciencias Paraguay 2017 - 2018 (logistics and marketing).
Model United Nations (MUN).

Allbiotech | Santiago, Chile

Leader
First Latin American Summit of Young Leaders in Biotechnology
October 2017 - On Going

As a leader, being bridge between society and the biotechnological ecosystem of Paraguay.
Evaluate the applications of future leaders.
Conduct scientific events within the region and in collaboration with other countries.

PUBLICATIONS

- Riveros Maidana R, **Méndez Ferreira, A**, Benítez Candia N, Nara Pereira E, Fernández Ríos D. Sistema CRISPR/Cas: Edición genómica de precisión. Mem. Inst. Investig. Cienc. Salud. 2020; 18(1): 97-107
- **Méndez, A**; Riveros Maidana, R.; Brítez, A; Rodriguez, C.; Velázquez Franco J. ; BENÍTEZ CANDIA, N.B.; Fernández Ríos, D; Impacto del programa de tutoría en el rendimiento académico de estudiantes de biología celular molecular, Praxis Educativa ReDIE, v. 11 f: 21, p. 64-75, 2019.
- Benítez Candia, N; Riveros Maidana, R; **Méndez Ferreira, A**; Fernández Ríos, D; Mejoramiento vegetal en la era de la edición genómica. Revista Steviana. III Jornadas Paraguayas de Botánica 2018.

Plant breeding in the age of genome editing. doi: 10.7490/f1000research.1115898.1

- (Poster) **Méndez, A**; Azzarini, S; Caballero, M; Policani, M; Planás, M; McGahan, S; Álvarez, S; López, T; Evaluación de la producción de ácido láctico, utilizando lactosuero a partir de una cepa de Lactobacillus sp. aislada en Paraguay. I Jornadas Paraguayas de Biotecnología y sus aplicaciones 2018.
- (Poster) Policani, M; Acuña, L; Benítez, V; Caballero, M; **Méndez, A**; Planás, M; McGahan, S; Benítez, G. Evaluación de la sensibilidad de Daphnia sp. aisladas en Paraguay frente a dicromato de potasio. I Jornadas Paraguayas de Biotecnología y sus aplicaciones 2018.

COURSES, TRAININGS AND ACHIEVEMENTS

- 2020**
 - Bioeconomy: General Concept - Virtual Training Program "Introduction to the Argentine Bioeconomy". Bolsa de Cereales, Argentina. (Virtual)
 - Basic concepts of CRISPR / Cas9. Jackson's lab. (Virtual)
 - Bioeconomy: Potential and challenges for its use in Latin America and the Caribbean, IICA. (Virtual)
- 2019**
 - Latin American Bioeconomy Forum. Allbiotech. IICA, San José, Costa Rica.
 - International Workshop "Genome editing in mammals using CRISPR tools". Pasteur Institute of Montevideo, Uruguay.
 - Genetic Edition via CRISPR Introduction. Workshop (Speaker) UCA, Guairá.
- 2018**
 - Microbiological food control tools. Workshop UNA, FACEN.
 - Computational genomic introduction. Workshop (speaker) Alto Paraná University Campus, UCA.
- 2017**
 - From ignorance to injustice. Analyzing science and technology from the life of women. International Seminar.
 - Current context of Agricultural Biotechnology and its perspective for Young Researchers. Conference. UNA.
 - Agro-food engineering. Workshop. UNA, FCA.
 - Genome editing CRISPR technique introduction. Course (collaborator). UNA, FACEN.

SKILLS

Leadership
Critical thinking
Team work
Proactivity
Laboratory Work

INTERESTS

Genome Editing
Science communication
Global Bioeconomy
Public policies in science
Music/Dancing/Sports

LANGUAGES

Spanish
English