EVELIA LORENA COSS NAVARRETE

Postdoctoral fellowship at Laboratorio Internacional de Investigacion Sobre el Genoma Humano (LIIGH)- UNAM | Gene regulation | Evolution | Bioinformatics | Autoimmune diseases | lncRNAs

🎓 EDUCATION

2023 | 2018

PhD, Plant Biotechnology

Centro de Investigacion y de Estudios Avanzados del IPN (Cinvestav), UGA-Langebio

📍 Guanajuato, Mexico

- Dr. Selene Fernandez Valverde
- Identification and characterization of conserved long non-coding RNAs in Brassicaceae.
- Grade: 9.3/10. First person to graduate from the generation.

2018 | 2016

M. Sc., Plant Biotechnology

Centro de Investigacion y de Estudios Avanzados del IPN (Cinvestav), UGA-Langebio

📍 Guanajuato, Mexico

- Dr. Raul Alvarez Venegas and Dr. Stefan de Folter
- Effect of priming activation on bean nodule development and its relationship against Pseudomonas syringae pv. phaseolicola.
- Grade: 9.4/10. Second person to graduate from the generation.

2016 | 2012

B.Sc.,Biotechnology Engineering

Universidad Politecnica de Sinaloa (UPSIN).

📍 Sinaloa, Mexico

- Grade: 9.6/10.

💻 RESEARCH EXPERIENCE

2015

Professional Practices 3 | Undergraduate Thesis Student

Centro de Investigacion y de Estudios Avanzados del IPN (Cinvestav), Irapuato.

📍 Queretaro, Mexico

- Dr. Raul Alvarez Venegas, Dr. Aaron Barraza Celis and Dr. Alejandra Hernandez Barrera
- Histochemical analysis of the effect of bean (Phaseolus vulgaris l.) trithorax group methyltransferases during nodulation.

CONTACT

✉ ecoss@liigh.unam.mx
🐦 EveliaCoss
🐙 EveliaCoss

PROGRAMMING LANGUAGES

Expertise: R and Rstudio, Bash, AWK, markdown/Rmarkdown
Familiarity: Git/Github, python, HTML, CSS

LANGUAGES

Spanish - Native
English - B1 (TOEFL-IBT)

2015 ● **Research Stay 1 (Delfin project)**

Universidad Politecnica de Sinaloa (UPSIN). 📍 Sinaloa, Mexico

· Dr. Jesus Aaron Salazar Leyva
· Characterization of the proteolytic properties of the crude extract of aguama fruit (Bromelia pinguin L).
· Protease analysis by zymography.

2014 ● **Professional Practices 2**

Centro de Investigacion y de Estudios Avanzados del IPN (Cinvestav), Irapuato.

📍 Guanajuato, Mexico

· Dr. Raul Alvarez Venegas and Dr. Aaron Barraza Celis
· Analysis of histone methyltransferases expression in different tissues of bean (Phaseolus vulgaris) plant.

2014 ● **Social Service**

Facultad de Ciencias del Mar (FACIMAR), Universidad Autonoma de Sinaloa (UAS)

📍 Sinaloa, Mexico

· Dr. Miguel Angel Hurtado Oliva and M.C. Idalia Osuna Ruiz
· Standardization of biochemical methods in aquatic organisms.

2014 ● **Research Stay 1 (Delfin project)**

Facultad de Ciencias del Mar (FACIMAR), Universidad Autonoma de Sinaloa (UAS)

📍 Sinaloa, Mexico

· M.C. Idalia Osuna Ruiz.
· Standardization of biochemical methods for microalgae.

2013 ● **Professional Practices 1**

Centro de Investigacion en Alimentacion y Desarrollo (CIAD)

📍 Sinaloa, Mexico

· M.P.A. Noemi Garcia Aguilar and M.C. Gabriela Velasco Blanco
· Cultivation of herbs (Mentha spicata), oregano (Origanum vulgare), radish (Raphanus sativus), green forage and Tilapia (Oreochromis sp) in an aquaponic system.

🖥 OTHER EXPERIENCE AND PROFESSIONAL MEMBERSHIPS

2024-present ● **R-Ladies Mexico**

· Organizing committee of the annual meeting of Rladies Mexico
· Web page: https://rladiesmx.netlify.app/

2024-present ● **ISCB Wikipedia**

· Dr. Nelly Selem
· Information: https://www.iscb.org/iscb-wikipedia-wikidata-competition

2024-present ● **ISCB RSG-Mexico**

· Web page: https://rsg-mexico.iscbsc.org/

2024-present ● **The Carpentries**

· Web page: https://carpentries.org/
· Certified Instructor

2023-present ● **Comunidad de Desarrolladores de Software en Bioinformatica (CDSB)**

· Github: https://github.com/ComunidadBioInfo/cdsb2023
· Instuctor and helper

2023-present ● **Iberoamerican Society for Bioinformatics (RiaBio)**

· Web page: https://www.cyted.org/RIABIO

2023-present ● **Project JAGUAR**

· Web page: https://jaguar.liigh.unam.mx/
· Bioinformatics

2022-present ● **Registro Mexicano de lupus (LupusRgMX)**

· Web page: https://lupusrgmx.liigh.unam.mx/quienes-somos.html
· Founding Member

2022-present ● **R-Ladies, Morelia**

· Github: https://r-ladies-morelia.github.io/, Web page: https://r-ladies-morelia.github.io/project/
· Founding Member

🛡 HONORS

2024-present ● **Posdoctoral Fellowship, CONACYT**

2018-2022 ● PhD Fellowship, CONACYT

2016-2018 ● MsC. Fellowship, CONACYT

TEACHING EXPERIENCE

2024 ● **Workshop Unix Shell**

Centro de Ciencias Matematicas (CCM), UNAM and LIIGH-UNAM

📍 Virtual event

· Instructor for the Software carpentry
· Dec 10-11, 2024. Course officially registered in The Carpentries. Web page: https://iscb-rsg-mexico.github.io/2024-12-10-Workshop-Bash/
· Github of web page: https://github.com/ISCB-RSG-MEXICO/2024-12-10-Workshop-Bash. Github tutorial: https://github.com/ISCB-RSG-MEXICO/Workshop_Bash2024. Main page: https://iscb-rsg-mexico.github.io/Workshop_Bash2024/

2024 ● **Programacion defensiva en ggplot2**

VieRnes de Bioinformática en el LIIGH-UNAM

📍 Virtual event

· Nov 1, 2024
· Github: https://github.com/EveliaCoss/Defensiva_ggplot2024

2024 ● **Tutorial scATACseq**

Universidad CES

📍 Medellin, Colombia

· Workshop Single Cell Genomic Approaches to Study the Immune System - Latin America & the Caribbean (9-11 Novembrer 2024) https://coursesandconferences.wellcomeconnectingscience.org/event/single-cell-genomic-approaches-to-study-the-immune-system-latin-america-the-caribbean-20241109/
· Github: https://github.com/WCSCourses/Single_Cell_Genomics_ImmuneSys_24; Github: https://github.com/EveliaCoss/Tutorial_ISCB_LATAM_scATACseq

2024 ● **Workshop Bash 2024**

ENES, Juriquilla

📍 Queretaro, Mexico

· Invitation by Dr. Miriam Bravo
· Web page: https://eveliacoss.github.io/Workshop_Bash2024/

2024 ● **Workshop sobre git/Github 2024**

ENES, Juriquilla

📍 Queretaro, Mexico

· Invitation by Dr. Jair Santiago Garcia
· Web page: https://eveliacoss.github.io/Workshop_GitGithub2024/

2024 ● **Crea tu página web en R**

📍 Virtual event

· Github:https://github.com/EveliaCoss/make_yourWebpage

2024 ● **Viernes de Bioinformatica (Bioinformatics Friday) – second part**

Laboratorio Internacional de Investigacion sobre el Genoma Humano (LIIGH) UNAM

📍 Queretaro, Mexico

· Course coordinator: Evelia Coss
· Instructor and coordinator for ViernesBioinfo2024
· Github: https://github.com/EveliaCoss/ViernesBioinfo2024_parte2

2024 ● **Viernes de Bioinformatica (Bioinformatics Friday)**

Laboratorio Internacional de Investigacion sobre el Genoma Humano (LIIGH) UNAM

📍 Queretaro, Mexico

· Course coordinator: Evelia Coss
· Instructor and coordinator for ViernesBioinfo2024
· Github: https://github.com/EveliaCoss/ViernesBioinfo2024, Web page:
  https://viernesbioinformatica.github.io/playlist/

2024 ● **Introduction to RNA-seq data analysis with R**

Estudios Superiores, Unidad Juriquilla (ENES), UNAM

📍 Queretaro, Mexico

· Main instructor: Dr. Alejandra Medina-Rivera
· Instructor for RNAseq_classFEB2024
· Bioinformatics and Statistics 2, Genomic Sciences Program. Github:
  https://github.com/EveliaCoss/RNAseq_classFEB2023.git

2023 ● **CDSB 2023 – Quality control in scRNA-Seq**

📍 Virtual event

· Instructor for CDSB2023
· Comunidad de Desarrolladores de Software en Bioinformatica (CDSB),
  Nodo Nacional de Bioinformatica, Github: https://github.com
  /ComunidadBioInfo/cdsb2023.git

2023 ● **Make your CV in R**

Centro de Ciencias Matematicas (CCM), UNAM

📍 Virtual event

· Instructor for Make_yourCV
· R-ladies Morelia, Github: https://github.com/EveliaCoss/Make_yourCV

2023 ● **Workshop: Analysis of RNA-Seq Data**

Laboratorio Internacional de Investigacion sobre el Genoma Humano (LIIGH) UNAM

📍 Virtual event

· Course coordinator: Evelia Coss
· Instructor and coordinator for RNASeq_Workshop_Nov2023
· Github: https://github.com/EveliaCoss/RNASeq_Workshop_Nov2023

2023 ● **Workshop: Database analysis in the medical area. Creating your analysis flows with R/Bioconductor.**

Centro Universitario de Ciencias de la Saludo (CUCS) de la Universidad de Guadalajara (UdG)

📍 Guadalajara, Mexico

· Instructor for Curso_ProgramacionR_CUCS_Oct2023
· PhD in Human Genetics, Github: https://github.com/EveliaCoss/Curso_ProgramacionR_CUCS_Oct2023

2023 ● **Viernes de Bioinformatica (Bioinformatics Friday)**

Laboratorio Internacional de Investigacion sobre el Genoma Humano (LIIGH) UNAM

📍 Queretaro, Mexico

· Course coordinator: Evelia Coss
· Instructor and coordinator for ViernesBioinfo2023
· Github: https://github.com/EveliaCoss/ViernesBioinfo2023

2023 ● **Web application development in R (shinyapp)**

Estudios Superiores, Unidad Juriquilla (ENES), UNAM

📍 Queretaro, Mexico

· Instructor and coordinator for TuneameShinyApp_ClassOct2023
· Github: https://github.com/EveliaCoss/TuneameShinyApp_ClassOct2023

2023 ● **Introduction to RNA-seq data analysis with R**

Estudios Superiores, Unidad Juriquilla (ENES), UNAM

📍 Queretaro, Mexico

· Main instructor: Dr. Alejandra Medina-Rivera
· Instructor for RNAseq_classFEB2023
· Bioinformatics and Statistics 2, Genomic Sciences Program, Github: https://github.com/EveliaCoss/RNAseq_classFEB2023.git

2023 ● **Data analysis with R**

Centro de Ciencias Matematicas (CCM), UNAM

📍 Virtual event

· Instructor for Manipulacion_de_datos
· R-ladies Morelia, Github: https://github.com/R-Ladies-Morelia/Manipulacion_de_datos.git

2022 ● **Helper in R Workshop and Git/Github**

Centro de Ciencias Matematicas (CCM), UNAM

📍 Virtual event

· Main instructor: Dr. Abraham Avelar Rivas, M.Sc. Diego Garfias Gallegos and M.Sc. Claudia Zirion Martinez
· Helper for Software Carpentry
· Software Carpentry, Web page: https://czirion.github.io/2022-06-11-R-UNAM/

2022 ● Rmarkdown Introduction

Centro de Ciencias Matematicas (CCM), UNAM 📍Virtual event

· Instructor for Rmarkdown
· R-ladies Morelia, Github: https://github.com/EveliaCoss/Rladies-Morelia /tree/f2781e5484a665e750fc482484a771dfff28612e/Rmarkdown

2022 ● Data analysis and graphs in R

Centro de Ciencias Matematicas (CCM), UNAM 📍Virtual event

· Instructor for Marvel_vs_DCcomics
· R-ladies Morelia, Github: https://github.com/EveliaCoss/Rladies-Morelia /tree/f2781e5484a665e750fc482484a771dfff28612e/Marvel_vs_DCcomics

📈 DATA SCIENCE WRITING

2022 ● Plants & Python: A series of lessons in coding, plant biology, computation, and bioinformatics

· VanBuren R , Rougon-Cardoso A, Amezquita EJ, Coss-Navarrete EL, Espinosa-Jaime A, Gonzalez-Iturbe OA, Luckie-Duque AC, Mendoza-Galindo E, Pardo J, Rodriguez-Guerrero G, Rosiles-Loeza PY, Vasquez-Cruz M, Fernandez-Valverde SL, Hernandez-Hernandez T, Palande S, and Chitwood. DH. Plants & Python: A series of lessons in coding, plant biology, computation, and bioinformatics, (2022). The Plant Cell, Volume 34, Issue 7, July 2022, Page e1, https://doi.org/10.1093/plcell/koac187
· https://drive.google.com/file/d/1Na0z9k4Igb6_N3u_pJD9L1nrhxhC6qLG /view?usp=sharing

📖 PUBLICATIONS

2022 ● Transcriptome-guided annotation and functional classification of long non-coding RNAs in Arabidopsis thaliana

· Corona-Gomez, J.A., Coss-Navarrete, E.L., Garcia-Lopez, I.J. et al. Transcriptome-guided annotation and functional classification of long non-coding RNAs in Arabidopsis thaliana. Sci Rep 12, 14063 (2022). https:// doi.org/10.1038/s41598-022-18254-0
· https://drive.google.com/file/d/14eieFhoIzolNUvb2cXCgQZXutz2_LCgQ /view?usp=sharing

2020 ● Capter 6- Induction of plant resistance to biotic stress by priming with B-aminobutyric acid (BABA) and its effect on nitrogen-fixing nodule development

• Coss-Navarrete EL, Diaz-Valle A, Alvarez-Venegas R. Chapter 6 - Induction of plant resistance to biotic stress by priming with B-aminobutyric acid (BABA) and its effect on nitrogen-fixing nodule development, Editor(s): Mohammad Anwar Hossain, Fulai Liu, David J. Burritt, Masayuki Fujita, Bingru Huang, Priming-Mediated Stress and Cross-Stress Tolerance in Crop Plants, Academic Press, 2020, Pages 101-114, ISBN 9780128178928, https://doi.org/10.1016/B978-0-12-817892-8.00006-4.
• https://drive.google.com/file/d/1dOIM_RAvX1uM_1mIesK2-GgupOo02xz2/view?usp=sharing

2018 ● Down-regulation of PvTRX1h increases nodule number and affects auxin, starch, and metabolic fingerprints in the common bean (Phaseolus vulgaris L.)

• Barraza A, Coss-Navarrete EL, Vizuet-de-Rueda JC, Martinez-Aguilar K, Hernandez-Chavez JL, Ordaz-Ortiz JJ, Winkler R, Tiessen A, Alvarez-Venegas R. Down-regulation of PvTRX1h increases nodule number and affects auxin, starch, and metabolic fingerprints in the common bean (Phaseolus vulgaris L.) (2018). Plant Science, Volume 274,Pages 45-58, ISSN 0168-9452, https://doi.org/10.1016/j.plantsci.2018.05.006
• https://drive.google.com/file/d/1XGfxNGEu-G7_oOsaCunYwY1x38uEU1Bc/view?usp=sharing

2017 ● CARACTERIZACION PARCIAL DE LA ACTIVIDAD COAGULANTE Y CASEINOLITICA DE LAS PROTEASAS DEL FRUTO DE AGUAMA (Bromelia pinguin L.)

• Moreno-Henandez, J. M., Hernandez-Mancillas, X. D., Coss Navarrete, E. L., Banuelos-Perez, M. de J., Salazar-Leyva, J. A., Osuna-Ruiz, I., Rodriguez-Tirado, V. A., & Mazorra-Manzano, M. Angel. (2017). CARACTERIZACION PARCIAL DE LA ACTIVIDAD COAGULANTE Y CASEINOLITICA DE LAS PROTEASAS DEL FRUTO DE AGUAMA (Bromelia pinguin L.). Biotecnia, 19(2), 19-24. https://doi.org/10.18633/biotecnia.v19i2.380
• https://drive.google.com/file/d/1Mb4WMwiDlv7ud4EubcjhhndLDueWtX8m/view?usp=sharing

2016 ● Partial Characterization of the Proteolytic Properties of an Enzymatic Extract From Aguama Bromelia pinguin L. Fruit Grown in Mexico

• Moreno-Hernandez, JM, Hernandez-Mancillas, XD, Coss-Navarrete, EL, Mazorra-Manzano, MA, Osuna-Ruiz I, Rodriguez-Tirado, VA, Salazar Leyva JA. Partial Characterization of the Proteolytic Properties of an Enzymatic Extract From Aguama Bromelia pinguin L. Fruit Grown in Mexico. Appl Biochem Biotechnol 182, 181-196 (2017). https://doi.org/10.1007/s12010-016-2319-x
• https://drive.google.com/file/d/1G12ZL4t2ZN0LxIQtbjMnJTFhQJBPYikQ/view?usp=sharing

🖥 TALKS AND POSTERS

2024 ● **ISCB–Latin America SolBio CCBCOL – International Conference on Bioinformatics**

Poster 📍 Medellin, Colombia

· Presenter: Evelia Coss
· Nov 12-15, 2024 On-site event, Colombia Poster only

2024 ● **Intelligent Systems for Molecular Biology (ISMB) congress**

Poster 📍 Montreal, Canada

· Presenter: Evelia Coss
· https://drive.google.com/file/d/1MzG29tUEpcxPM16idFTgS7pZZWDj3tD0/view?usp=sharing

2024 ● **Días académicos en el LIIGH – Internal Seminar**

Talk 📍 Juriquilla, Queretaro

· Presenter: Evelia Coss
· Video: https://www.youtube.com/watch?v=uI2Y7kOcJaA&ab_channel=LIIGH_UNAM

2023 ● **Chan Zuckerberg Science Initiative (CZI) – anual meeting**

Talk 📍 Carlsbad, California, USA

· Presenter: Evelia Coss
· Project JAGUAR: mapping immune cell diversity across Latin America
· Ancestry Networks for the Human Cell Atlas

2022 ● **Sociedad Mexicana de Bioqumica (SMB) X**

Poster 📍 Yucatan, Mexico

· Co-authors: M.C. Evelia Lorena Coss Navarrete, Dr. Jose Antonio Corona-Gomez, Dr. Laurence Hurst, Dr. Stewart Gillmor, Dr. Katarzyna Oktaba, and Dr. Selene L. Fernandez-Valverde
· Conservation analysis of sequence-divergent lincRNAs in Brassicaceae

2021 ● **FASEB 2021: The Mechanisms of Plany Development**

Poster 📍 Virtual event

· Co-authors: M.C. Evelia Lorena Coss Navarrete, Dr. Jose Antonio Corona-Gomez, Dr. Laurence Hurst, Dr. Stewart Gillmor, Dr. Katarzyna Oktaba, and Dr. Selene L. Fernandez-Valverde
· Transcriptomic-informed annotation and functional classification of long non-coding RNAs in Arabidopsis thaliana

2021 ● **EMBL Symposium 2021: The Non-Coding Genome**

Poster 📍 Virtual event

· Co-authors: M.C. Evelia Lorena Coss Navarrete, Dr. Jose Antonio Corona-Gomez, Dr. Laurence Hurst, Dr. Stewart Gillmor, Dr. Katarzyna Oktaba, and Dr. Selene L. Fernandez-Valverde
· Transcriptomic-informed annotation and functional classification of long non-coding RNAs in Arabidopsis thaliana

2015 ● **2nd Interinstitutional Congress of Young Researchers**

Talk 📍 Chihuahua, Mexico

· Co-authors: Coss Navarrete EL, Hernandez-Mancillas, XD, Salazar Leyva, JA.
· Biochemical characterization of a crude protease extract obtained from the wild plant aguama (Bromelia pinguin) native to southern Sinaloa.
· Biotechnology and agricultural science

2014 ● **Delfin, Programa Interinstitucional para el fortalecimiento de la investigacion y el posgrado del pacifico**

Talk 📍 Nayarit, Mexico

· Co-authors: Coss Navarrete EL, Osuna-Ruiz I
· Standardization of biochemical methods in aquatic organisms.

🎓 COURSES

2024 ● **Analyzing PBMCs Single Cell ATAC- Seq and Multiome data: Theory and practice (coming soon)**

Instructor and helper 📍 Medellin, Colombia

· November 9-11, 2024 On-site event, Colombia Organizer: Wellcome Connecting Science Location: to be confirmed Instructors: Evelia Coss and Diego Ramirez
· Github: https://github.com/EveliaCoss/Tutorial_ISCB_LATAM_scATACseq

2024 ● **Workshop CDSB 2024: Desarrollo de paqueterías de R/Bioconductor.**

helper 📍 virtual event

· October 28-31, 2024
· Github: https://github.com/ComunidadBioInfo/cdsb2024

2024 ● **ISCB- Youth Bioinformatics Symposium**

📍 Montreal, Canada

· July 12, 2024 On-site event, Montreal, Canada Course related with: Introduction to Python in Science and Biology.

2024 ● **Tutorial VT4: Computational Approaches for identifying context-specific transcription factors using single-cell multi-omics datasets**

📍 Virtual event

• July 9, 2024 Github: https://github.com/osmanbeyoglulab/Tutorials-on-ISMB-2024

2024 ● **Scientific writing course**

📍 Virtual event

• June 19, 2024, Instructor: Ian Scott Kinney

2024 ● **Hackathon 2024: R-Ladies Morelia and R-Ladies Querétaro meeting**

Instructor and helper 📍 Morelia, Mexico

• May 31 and June 1, 2024 Hackaton 2024: https://github.com/R-Ladies-Morelia/CursosRladiesMorelia_RladiesQueretaro_2024/tree/main/Hackaton2024 Best practices in R (Instructor: Evelia Coss): https://github.com/EveliaCoss/Buenaspracticas_R_Mayo2024

2024 ● **Best practices in R**

Instructor 📍 Juriquilla, Queretaro

• Instructor: Evelia Coss
• June 19, 2024
• Web page: https://github.com/EveliaCoss/Buenaspracticas_R_Mayo2024

2024 ● **R-Ladies, Morelia courses**

📍 Virtual event

• Feb 29, April 25, 2024, Web page: https://www.meetup.com/es-ES/rladies-morelia/

2024 ● **Global Bioinformatics Education Summit 2024 (GBES)**

📍 Virtual event

• Document

2024 ● **Python Programming and Graphing**

Helper 📍 Puebla, Mexico

• Instructors: Shaday Guerrero, Gabriel Alarcón Carranza. Helpers: Haydee Peruyero, Heladia Salgado, Evelia Coss
• Web page: https://helysalgado.github.io/2024-05-27-csvconf/
• The Carpentries

2024 ● Data Analysis – Python, Bash and GIT
Helper   📍 Morelia, Mexico

· Instructors: Haydee Peruyero, Shaday Guerrero, Miguel Angel Magana
· Web page: https://miguel-mx.github.io/2024-01-24-ccm-unam-swc/
· The Carpentries

2023 ● Instructor training with The Carpentries
                                                📍 Virtual event

· The Carpentries

2023 ● CDSB 2023: Creando paquetes de R/Bioconductor para analisis
transcriptomico de celula unica
Instructor and helper   📍 Virtual event

· Main instructor: Dr. Joselyn Cristina Chavez Fuentes, Dr. Leonardo
  Collado-Torres, Dr. Alejandra Medina Rivera, Dra. Evelia Lorena Coss
  Navarrete, Dr. Laura Gomez Romero, Dr. Yalbi Balderas Martinez,
  Dr. Mirna Vazquez Rosas Landa, M.C. Jose Antonio Ovando Ricardez, M.C.
  Erick Cuevas Fernandez and Andres Arredondo Cruz
· CDSB2023, DE in scRNA-SEq and R/Bioconductor packages
· Comunidad de Desarrolladores de Software en Bioinformática (CDSB),
  Nodo Nacional de Bioinformatica

2022 ● Analysis of biological and biomedical transcriptomic data using Artificial
Intelligence (AI) and Machine Learning methods (ML) methods with R
UNAM   📍 Queretaro, Mexico

· Main instructor: Dr. Javier De Las Rivas (CSIC-USAL-IBSAL, Spain),
  Dr. Maribel Hernandez Rosales (CINVESTAV, Mexico), Dr. Enrique De Las
  Rosa (CSIC-USAL-IBSAL, Spain), and Dr. Flavio Spetale (CIFASIS-
  CONICET-UNR, Argentina).
· ISCB-LA SolBio BioNetMX Symposium 2022
· RiaBio 2022

2022 ● The art and method of writing a Scientific Manuscript
                                                📍 Virtual event

· Main instructor: Dr. Susan Marriott
· BioScience Writers

2021 ● Genetic variants search
                                                📍 Virtual event

· Main instructor: Dr. Victor Flores
· ATGenomics

2021 ● Network analysis using igraph for R: a primer

📍 Virtual event

· Main instructor: Dr. Guillermo de Anda Jauregui
· 2nd Workshop in advanced Bioinformatics

2021 ● Co-expression networks

📍 Virtual event

· Main instructor: Dr. Katja Nowick
· 2nd Workshop in advanced Bioinformatics

2021 ● Network medicine

📍 Virtual event

· Main instructor: Dr. Deisy Gypsi
· 2nd Workshop in advanced Bioinformatics

2019 ● CABANA workshop: Introduction to R and Bioconductor for genomic analyses

Centro de Investigacion y de Estudios Avanzados del IPN (Cinvestav), UGA-Langebio

📍 Guanajuato, Mexico

· Main instructor: Dr. Cei Abreu Goodger and Dr. Benilton Carvalho
· CABANA

2019 ● Theoretical and Practical HiC Workshop: Wet-Lab and Bioinformatics

Centro de Investigacion y de Estudios Avanzados del IPN (Cinvestav), UGA-Langebio

📍 Guanajuato, Mexico

· Main instructor: Dr. Selene Fernandez-Valverde, Dr. Francisco Perez. America Ramirez and Emilio Sotelo
· The Royal Society

2012 ● Mantenimiento correctivo de Computadoras

Universidad de Occidente Unidad Mazatlan

📍 Sinaloa, Mexico

· Main instructor: M.C. Raymundo Magana

⚛ SCIENCE COMMUNICATION

2024 ● Preguntale a una cientifica

Talk

📍 Queretaro, Mexico

· Talk
· Comision Interna para la igualdad de Genero (ClnlG)

2023 Project JAGUAR: Mapeo de la diversidad de celulas inmunitarias en America Latina

Talk 📍 Virtual event

· Ciclo de "Bases y Bytes 2023: Platicas de Bioinformatica"
· Universidad Politecnica de Sinaloa (UPSIN).

2023 Los Neutrofilos, chile del que pica o chile del que no pica?

Paper

· Co-authors: Karr de Leon S, Coss-Navarrete EL, Brunck ME.
· El linfocito - numero 3
· link : https://sociedadmexicanadeinmunologia.org/revista-edicion-3/

2022 Conservacion de lincRNAs en Brassicaceaes

Talk 📍 Virtual event

· Ciclo de "Bases y Bytes: Platicas de Bioinformatica"
· Universidad Politecnica de Sinaloa (UPSIN).

2021 PODCAST animalitos & plantitas: EP01 El cafe mas caro del mundo con Evelia Coss

Talk 📍 Podcast

· The Biologist Apprentice
· Video: https://www.youtube.com/watch?v=6kz_biv6PNs&t=13s

2021 Tercer mesa redonda "Trayectorias academicas"

Talk 📍 Virtual event

· El Rincon de la Ciencia
· Video: https://www.facebook.com/elrincondelacienciasfr/videos /296828961881946/

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