

Oral presentations and posters:

- **Oral Presentation at '34th International Symposium on Pharmaceutical and Biomedical Analysis'**, Geneva, Switzerland, 9-12 September 2024. "Improving prioritization methodologies for natural extracts: Integration data from metabolomics datasets and biological screenings into Knowledge Graphs". **L Quiros-Guerrero**.
- **Poster at 'International Congress on Natural Products Research'** Krakow, Poland, 13-17 July 2024. **L Quiros-Guerrero**, L., Marcourt, A., Ferreira-Queiroz, E., David, B., Grondin, & Wolfender, J.-L. "Improving prioritization methodologies for natural extracts: Integration data from metabolomics datasets and biological screenings into Knowledge Graphs"
- **Poster at 'International Congress on Natural Products Research'** Krakow, Poland, 13-17 July 2024. **L Quiros-Guerrero**, L., Marcourt, L., Chaiwangrach, N., Koval, A., Ferreira-Queiroz, E., David, B., Grondin, A., Katanaev, V., & Wolfender, J.-L. "Integration of Wnt-inhibitory Activity and Structural Novelty Scoring Results to Uncover Novel Bioactive Natural Products: New Bicyclo[3.3.1]non-3-ene-2,9-diones from the Leaves of *Hymenocardia punctata*".
- **Oral Presentation at '16èmes Journées Scientifiques du Réseau Francophone de Métabolomique et Fluxomique'**, Saint-Malo, France, 1-6 June 2024. "Improving prioritization methodologies for natural extracts: Integration data from metabolomics datasets and biological screenings into Knowledge Graphs". **L Quiros-Guerrero**.
- **Poster at '9th Annual Conference of the Swiss Metabolomics Society'**, Zurich, Switzerland, 29 September 2023. **L Quiros-Guerrero**, A Gaudry, A Rutz, L Marcourt, B David, A Grondin, E Ferreira Queiroz, JL Wolfender. "Integration of Wnt-inhibitory Activity and Structural Novelty Scoring Results to Uncover Novel Bioactive Natural Products: New Bicyclo[3.3.1]non-3-ene-2,9-diones from the Leaves of *Hymenocardia punctata*".
- **Poster at '8th Annual Conference of the Swiss Metabolomics Society'**, Lausanne, Switzerland, 29 September 2022. **L Quiros-Guerrero**, JL Wolfender, A Gaudry, A Rutz, L Marcourt, B David, A Grondin, LF Nothias, E Ferreira Queiroz, PM Allard. "Inventa: a workflow for discovering chemical novelty in natural products extracts libraries".
- **Poster at "70th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA)"**, Thessaloniki, Greece 28-31 August 2022. **L Quiros-Guerrero**, JL Wolfender, A Gaudry, A Rutz, L Marcourt, B David, A Grondin, LF Nothias, E Ferreira Queiroz, PM Allard. "Inventa: a workflow for discovering chemical novelty in natural products extracts libraries". *Planta Medica* 2022, 88(15): 1545-1546.
- **Oral Presentation:** 'Preparación y tratamiento de datos CL-EM para estudios metabolómicos con MZmine'. Centro de investigación en Productos Naturales (CIPRONA) & Centro Nacional de Ciencia y Tecnología de Alimentos (CITA), Universidad de Costa Rica, San Jose, Costa Rica. 3 Agosto 2022. **Instructor: Luis Quirós-Guerrero, M.Sc.**
- **Oral Presentation:** 'Guías y recomendaciones para el desarrollo de estudio metabolómicos con CL-EM: preparación de muestras, condiciones cromatográficas y control de calidad'. Centro de investigación en Productos Naturales (CIPRONA) & Centro Nacional de Ciencia y Tecnología de Alimentos (CITA), Universidad de Costa Rica, San Jose, Costa Rica. 26 Julio 2022. **Instructor: Luis Quirós-Guerrero, M.Sc.**
- **Workshop** 'Desarrollo y optimización de protocolos de medición en CL-EM (Orbitrap) con

aplicaciones metabolómicas en Productos Naturales'. CENIBiot, Centro de investigación en Productos Naturales (CIPRONA) & Centro Nacional de Ciencia y Tecnología de Alimentos (CITA), Universidad de Costa Rica, San Jose, Costa Rica. 3 Agosto 2022
Instructor: Luis Quirós-Guerrero, M.Sc.

- **Oral presentation at “67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA)”**, Innsbruck, Austria, September 1-5, 2019. Participant (poster Exposition at Main Congress and Oral presentation at Young Researchers Workshop).

- **Workshop** “Data Treatment and Molecular Networking”, Université Paris-Décartes, France. **Instructors:** Jean-Luc Wolfender, Ph.D and **Luis Quirós-Guerrero, M.Sc.** June 6, 2019.

- **Poster** at “12éme Journées Scientifiques RFMF”, Clermont-Ferrand, France, May 21-23, 2019. France.

- **Oral Presentation at Congress “32° Latin American Congress of Chemistry, XXI Jornadas Chilenas de Química”**. Concepción, Chile, January 2016.

Internships

- Internship at Institut für Analytische Chemie, Fakultät für Chemie und Mineralogie, Leipzig University, Germany (Supervisors: Isaac Céspedes-Camacho Ph.D and Prof. Dr. Jörk Matysik), Training in NMR spectroscopy (liquid, solid and gas phase). December 16th 2014–March 4th 2015.

- Internship at Phytochemistry and Bioactive Natural Products, Université de Genève, Geneva (Prof. Jean-Luc Wolfender). Training in LC-MS data mining. January 19th – January 28th, 2015.

- Internship at Instituto de Química Avanzada de Cataluña (IAQC), CSIC. (Supervisor: Josep-Lluís Torres, Ph.D) Training in structural determination of polyphenol by MS/MS spectrometry. Barcelona, Spain, October 2012

- Course “Python for Life Sciences”, Swiss Institute of Bioinformatics (SIB), University of Bern, March 4-5, 2019. Bern, Switzerland. Participant.

- Course “Data Visualization with Cytoscape”, Swiss Institute of Bioinformatics (SIB), Université de Lausanne, November 1, 2018. Lausanne, Switzerland. Participant.

- Workshop “NMR–Based Metabolomics”, Red de Investigación en Metabolómica, University of Costa Rica (RIM-UCR). Instructor: Clemens Anklin, Ph.D. (NMR applications group Bruker Biospin, USA), March 2016. Participant.

- Volunteer at Bioprospecting unit, Instituto Nacional de la Biodiversidad (INBio), Costa Rica, June–September 2013.

Workshops as attendee:

- Workshop “Eco-metabolomics”, 12th to 15th of March 2024, at Hörsaal 0.024 Biozentrum, University of Cologne, Germany. Participant.

- Spring School, “Theory of NMR”, Colditz, Organizer: Jörg Matysic, Universität Leipzig, Germany, from February 22 to February 28th. 2015. Participant.
- Workshop “Topics in Solid Nuclear Magnetic Resonance Spectroscopy”, Programa Regional de Posgrado en Química, University of Costa Rica. Instructor: Jorn Schmedt auf der Günne, Ph.D. (Siegen University, Germany), September 2014. Participant.
- Workshop “Modelling and reaction kinetics of phytochemicals and functional compounds during processing or storage of food products”, Centro Nacional de Ciencia y Tecnología de Alimentos (CITA), University of Costa Rica. Instructor: Martinus von Boekel Ph.D. April 2014. Participant.
- Workshop “Alkaloids of Amaryllidaceae Family”, Centro de Investigación en Productos Naturales (CIPRONA), University of Costa Rica. Instructor: Jaume Bastida Ph. D. (University of Barcelona), Setiembre 2013. Participant
- Workshop “Introduction to Metabolomics”, Centro de Investigación en Productos Naturales (CIPRONA), Programa Regional del Posgrado en Química, University of Costa Rica. Instructor: Jean-Luc Wolfender, Ph. D. January 2013. **Participant.**
- Workshop “Structure elucidation of natural products using NMR”, Chemistry School, Programa Regional de Posgrado en Química, University of Costa Rica and INBio. Instructor: Shugeng Cao, Ph. D. June 2010. **Participant.**
- Workshop “Structure elucidation of natural products using NMR”, Chemistry School, Programa Regional de Posgrado en Química, University of Costa Rica and INBio. Instructor: Shugeng Cao, Ph. D. June 2010. **Participant.**