



XVI ELAFOT and II LatASP Meeting
Panama City, October 27-30, 2025
Program

XVI ELAFOT and II LatASP Meeting

Panama City, October 27-30, 2025

Program

	Monday	Tuesday	Wednesday	Thursday
8:30-9:00		PL3: Michael J. Davies	PL10: Massimo Trotta	PL13: Dario Falcone
9:00-9:30		PL4: Wenfang Sun	PL11: Manuel Ahumada	PL14: Alessandra Nara de Souza Rastelli
9:30-10:00		PL5: Virginie Lhiaubet-Vallet	PL12: Luis Larrondo	Coffee break
10:00-10:30		Coffee break	Coffee break	S11: Photoactive materials for photodynamic therapy applications
10:30-11:00		S2: Photosensitized Processes in Photobiology	S6: Photochemical and photocatalytic processes: from semiconductor to protein systems	S7: Photochemical and biomedical applications of nitric oxide donor agents: Recent developments for aPDT and PDT
11:00-11:30		S3: Applications of organometallic photochemistry		S12: Molecular Probes for Sensing and Imaging
11:30-12:00				
12:00-12:30				Lunch
12:30-13:00				
13:00-13:30		Lunch	Lunch	
13:30-14:00				
14:00-14:30	Registration	PL6: Ryan McCulla	S8: Optogenetics: New Tools for Precise Cell Control	
14:30-15:00		PL7: Xavier Allonas		
15:00-15:30		PL8: Gustavo Pino	S9: Photodynamic Therapy and Photodynamic Inactivation	
15:30-16:00		PL9: Mónica C. Gonzalez	S10: Time-resolved studies of molecular mechanisms in photochemistry and photobiology	
16:00-16:30		S4: Singlet oxygen detection and dosimetry		
16:30-17:00	Opening ceremony	S5: Skin health and sun exposure: from cutaneous pathologies to photoprotection	Awards ceremony	
17:00-17:30				
17:30-18:00	PL1: Sherri McFarland		Poster session (even numbers) (Snack)	
18:00-18:30	PL2: Mauricio Baptista	Poster session (odd numbers) (Snack)		
18:30-19:00	S1: Honoring Eduardo Lissi: A Legacy of Light and Interfaces			
19:00-19:30			LatASP/ELAFOT Assembly	
19:30-20:00				
20:00-20:30				
20:30-21:00	welcome reception			Gala dinner
21:00-21:30				
21:30-22:00				

PL: Plenary Lecture, S: Symposium



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Plenary Lectures

Plenary Lecture 1. Monday, 17:30 – 18:00

Paraninfo, University of Panama (Central Campus)

Sherri A. McFarland

Title: Light, metal, and medicine: Translating a phototherapeutic concept

The University of Texas at Arlington

Email: sherri.mcfarland@uta.edu

Plenary Lecture 2. Monday, 18:00 – 18:30

Paraninfo, University of Panama (Central Campus)

Mauricio Baptista

Title: Skin under light exposure: from damage mechanisms to adaptive responses

Universidade de São Paulo, Brazil

Email: baptista@iq.usp.br

Plenary Lecture 3. Tuesday, 08:30 – 09:00

Psychology Auditorium – Harmodio Arias Madrid Campus

Michael J. Davies

Title: Singlet oxygen-mediated damage to disulfides and proteins

University of Copenhagen, Denmark

Email: davies@sund.ku.dk

Plenary Lecture 4. Tuesday, 09:00 – 09:30

Psychology Auditorium – Harmodio Arias Madrid Campus

Wenfang Sun

Title: Developing Ir(III) complexes as photosensitizers for phototherapy

The University of Alabama, USA

Email: wsun15@ua.edu

Plenary Lecture 5. Tuesday, 09:30 – 10:00

Psychology Auditorium – Harmodio Arias Madrid Campus

Virginie Lhiaubet-Vallet

Title: Photoreactivity of metabolically generated DNA lesions: the case of etheno adducts

Instituto de Tecnología Química (Universitat Politècnica de València-CSIC), Spain

Email: lvirgini@itq.upv.es

Plenary Lecture 6. Tuesday, 14:00 – 14:30

Auditorium A-107, Research and Graduate Studies Auditorium

Ryan McCulla



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Title: The rare single chromophore dual-release photochemistry of sulfoximines and sulfone diimines

Saint Louis University, USA

Email: rmccull2@slu.edu

Plenary Lecture 7. Tuesday, 14:30 – 15:00

Auditorium A-207, Research and Graduate Studies Auditorium

Xavier Allonas

Title: Homo- vs. hetero-FRET in singlet-singlet photosensitization evidenced by photopolymerization experiments

Université de Haute-Alsace, France

Email: xavier.allonas@uha.fr

Plenary Lecture 8. Tuesday, 15:00 – 15:30

Auditorium A-207, Research and Graduate Studies Auditorium

Gustavo Pino

Title: Cold-ion-spectroscopy and excited state dynamics of species of biological interest

Universidad Nacional de Córdoba, Argentina

Email: gpino@unc.edu.ar

Plenary Lecture 9. Tuesday, 15:30 – 16:00

Auditorium A-207, Research and Graduate Studies Auditorium

Mónica C. Gonzalez

Title: Mechanistic insights into solar-driven photocatalysts for sustainable applications

Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Argentina

Email: gonzalez@inifta.unlp.edu.ar, mcgonzalez.quim@gmail.com

Plenary Lecture 10. Wednesday, 08:30 – 09:00

Auditorium A-207, Research and Graduate Studies Auditorium

Massimo Trotta

Title: Beyond Original Purpose: Repurposing Bacterial Photosynthesis

Università di Bari, Italia

Email: massimo.trotta@cnr.it

Plenary Lecture 11. Wednesday, 09:00 – 09:30

Auditorium A-207, Research and Graduate Studies Auditorium

Manuel Ahumada

Title: Carbon dots: Unlocking photochemical and photobiological potential in biological applications

Universidad Mayor, Chile

Email: manuel.ahumada@umayor.cl



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Plenary Lecture 12. Wednesday, 09:30 – 10:00

Auditorium A-207, Research and Graduate Studies Auditorium

Luis Larrondo

Title: Optogenetic circuits and optoecology: mapping transcriptional responses and visualizing population dynamics through the eyes of fungi

Pontificia Universidad Católica de Chile, Chile

Email: lfarron@uc.cl, llarrondo@bio.puc.cl

Plenary Lecture 13. Thursday, 08:30 – 09:00

Auditorium A-207, Research and Graduate Studies Auditorium

Dario Falcone

Title: Biocompatible nanosystems under the light: A spectroscopic insight into reverse micelles, vesicles, and other organized systems. Challenges and opportunities toward sustainable chemistry

Universidad Nacional de Río Cuarto, Argentina

Email: rfalcone@exa.unrc.edu.ar

Plenary Lecture 14. Thursday, 09:00 – 09:30

Auditorium A-207, Research and Graduate Studies Auditorium

Alessandra Nara de Souza Rastelli

Title: Antimicrobial photodynamic therapy over oral pathogens: From the bench to the clinical setting

Universidade Estadual Paulista "Júlio de Mesquita Filho" - UNESP, Brazil

Email: alessandra.nara-souza-rastelli@unesp.br



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Symposia

Symposium 1. Monday, 18:30 – 19:30

Paraninfo, University of Panama (Central Campus)

Honoring Eduardo Lissi: A Legacy of Light and Interfaces

Chair: Carolina Aliaga (Universidad de Santiago de Chile)

This symposium honors the scientific and human legacy of Prof. Eduardo A. Lissi, one of Latin America's most influential photochemists. His pioneering studies in kinetics, radical chemistry, and interfacial phenomena helped establish the foundations of photochemical research in the region. Beyond his vast scientific output, Prof. Lissi was a mentor of exceptional integrity and generosity, who inspired countless students and colleagues to pursue science with curiosity, collaboration, and humility. The talks gathered in this session celebrate not only his scientific achievements but also the enduring spirit of community he fostered.

18:30-18:40 **Carolina Aliaga** (Universidad de Santiago de Chile)

Introduction to the Symposium

18:40-19:00 **Emilio Alarcón** (University of Ottawa)

Title: Lissi's three magic principles

19:00-19:20 **Manuel Ahumada** (Universidad Mayor)

Title: The answer is "It Depends": Memories of Eduardo Lissi

Symposium 2. Tuesday, 10:30 – 12:30

Auditorium 102 – Faculty of Veterinary Medicine, Harmodio Arias Madrid Campus

Photosensitized Processes in Photobiology

Chairs: Carolina Lorente (Universidad Nacional de La Plata), Susana Nuñez Montoya (Universidad Nacional de Córdoba)

Invited talks

10:30-10:55 **Dennis Fuentealba** (Pontificia Universidad Católica de Chile)

Title: Supramolecular controllable photoactive agents for photodynamic therapy

10:55-11:20 **Carolina Lorente** (Universidad Nacional de La Plata)

Title: Effect of UV-A Radiation on Antioxidant Activity and Cytotoxicity of Vanillin

11:20-11:45 **Camilo I. López-Alarcon** (Pontificia Universidad Católica de Chile)

Title: Tryptophan dimers as biomarkers of protein oxidation: formation, detection, and quantification

11:45-12:10 **Juliana Marioni** (Universidad Nacional de La Plata)

Title: Natural anthraquinones and Photodynamic Therapy: an antifungal strategy against Candida biofilms

Oral Communications

12:10-12:20 **Gricelda Godoy-Ortega** (Universidad Nacional de La Plata)

Title: Pterin–Thymine Adducts as Photosensitizers for Oxidative Damage

12:20-12:30 **Luciano F. Dibona-Villanueva** (Pontificia Universidad Católica de Chile)

Title: Development of Photoactivable Biofungicides: From Laboratory Assessments to Field Tests



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Symposium 3. Tuesday, 10:30 – 12:30

Auditorium 103 - Engineering Auditorium – Harmodio Arias Madrid Campus

Applications of organometallic photochemistry

Chairs: Nancy Pizarro (Universidad Andrés Bello), Malcolm D. E. Forbes (Bowling Green State University)

Invited talks

10:30-10:55 **Malcolm D. E. Forbes** (Bowling Green State University)

Title: Influence of topology, architecture, and environment on spin polarization transfer: implications for quantum information science

10:55-11:20 **Nancy Pizarro** (Universidad Andrés Bello)

Title: Photoinduced dual capacity of Re-Mn complexes for singlet oxygen generation and carbon monoxide release

11:20-11:45 **Alan Cabrera C.** (Pontificia Universidad Católica de Chile)

Title: Heteroleptic Copper(I) Complexes type [Cu(dpa)(P,P)]⁺ as Photoredox Catalyst

11:45-12:10 **Andrés Vega** (Universidad Andrés Bello)

Title: Potential applications of rhenium(I)tricarbonyl molecules with aromatic bridged ligands

Oral Communications

12:10-12:20 **Jesús M. N. Morales** (Universidad Nacional de Santiago del Estero)

Title: Characterization of tyrosine oxidation products generated via the photooxidative quenching reaction of Ru(bpy)₃²⁺ by S2O8²⁻

12:20-12:30 **María Paz Herrera Maldonado** (Universidad Tecnológica Metropolitana)

Title: Novel heteroleptic Cu(I)-Dipyridylamine/Diphosphine complexes as active materials in Light-Emitting Electrochemical Cells.

Symposium 4. Tuesday, 16:00 – 18:00

Auditorium 102 – Faculty of Veterinary Medicine, Harmodio Arias Madrid Campus

Singlet oxygen detection and dosimetry

Chairs: Helena C. Junqueira (Univeridade de São Paulo), Steffen Hackbarth (Humboldt-Universität zu Berlin)

Invited talks

16:00-16:25 **Steffen Hackbarth** (Humboldt-Universität zu Berlin)

Title: Optical detection of singlet oxygen in vitro and in vivo – Please stop saying, it would be difficult

16:25-16:50 **Andrés H. Thomas** (Universidad Nacional de La Plata)

Title: Kinetic analysis to evaluate the contribution of type II mechanism in photosensitized oxidations

16:50-17:15 **Fernanda Manso Prado** (Univeridade de São Paulo)

Title: Singlet oxygen in biological systems: mass spectrometry and near-infrared light emission measurements

17:15-17:40 **Ronald Sroka** (Universität München)

Title: Potential of 5-ALA in Neurosurgery – Fluorescence and PDT



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Oral Communications

- 17:40-17:50 **Cristobal A. Mejias Miller** (Universidad de Chile)
Title: Synthesis and characterization of N-ethylpyridin-1-ium-2-pyridones as singlet oxygen releasers in mixed aqueous/acetonitrile media
- 17:50-18:00 **Helena C. Junqueira** (Univeridade de São Paulo)
Title: Quantifying Singlet Oxygen in Aqueous and Cellular Media Using Time-Resolved NIR Phosphorescence

Symposium 5. Tuesday, 16:00 – 18:00

Auditorium 103 - Engineering Auditorium – Harmodio Arias Madrid Campus

Skin health and sun exposure: from cutaneous pathologies to photoprotection

Chairs: Daniel Gonzalez Maglio (Universidad de Buenos Aires), Glaucia Regina Martinez (Universidade Federal do Parana), Miguel Angel Puertas-Mejía (Universidad de Antioquia), Juan Camilo Mejía-Giraldo (Universidad de Antioquia)

Invited talks

- 16:00-16:25 **Miguel Angel Puertas-Mejía** (Universidad de Antioquia)
Title: Marine Algae as a Therapeutic and Sustainable Source for Skin Photoprotection Against UV-Induced Damage
- 16:25-16:50 **Glaucia Regina Martinez** (Universidade Federal do Parana)
Title: Melanoma Cell Responses to Melanogenesis Induction and its consequences
- 16:50-17:15 **Daniel Gonzalez Maglio** (Universidad de Buenos Aires)
Title: Sunlight-induced modulation of the cutaneous immune response in human tegumentary leishmaniasis.
- 17:15-17:40 **Juan Camilo Mejía-Giraldo** (Universidad de Antioquia)
Title: Photostability and Photostabilization Approaches for UV Filters: Advancing the Rational Design of Broad-Spectrum (UVA–UVB) Sunscreens

Oral Communications

- 17:40-17:50 **Pedro Duvan Barrios Mejía** (Universidad del Quindío)
Title: Photochemical properties of Rutin-loaded nanoemulsions
- 17:50-18:00 **Diego Armando Villamiz** (Universidad Industrial de Santander)
Title: Erythema protection efficacy of plant derivatives compounds based on narrow-band reflectance spectroscopy data in mice
- 18:00-18:10 **Isabella Canavezzi Matias** (University of São Paulo)
Title: The impact of melanin on melanocyte response to blue light



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Symposium 6. Wednesday, 10:30 – 12:30

Auditorium 102 – Faculty of Veterinary Medicine, Harmodio Arias Madrid Campus

Photochemical and photocatalytic processes: from semiconductor to protein systems

Chairs: Claudio D. Borsarelli (Universidad Nacional de Santiago del Estero), Moises Canle (Univerisad de la Coruña)

Invited talks

10:30-10:55 **Moises Canle** (Univerisad de la Coruña)

Title: Heterogeneous Photocatalysis for Environmental Remediation: a Journey from Batch to Continuous Flow Systems

10:55-11:20 **Marcelo H. Gehlen** (University of São Paulo)

Title: Single-Molecule Catalysis in Pd Cross-Coupling Reaction by Fluorescence Microscopy: The Interplay between Experiment and Stochastic Simulation

11:20-11:45 **Giorgia Miolo** (Universita di Padova)

Title: Chemico-physical and biological properties of two monoclonal antibodies, Bevacizumab (Avastin®) and Durvalumab (Imfinzi®) under real-life light doses: a mechanistic approach.

11:45-12:10 **Claudio D. Borsarelli** (Universidad Nacional de Santiago del Estero)

Title: Photosensitized oxidative crosslinking of proteins

Oral Communications

12:10-12:20 **Manuela Saldarriaga Gallego** (Universidad Nacional de Colombia)

Title: Evaluation of the Thermal and Photochemical Stability of Fe₃O₄ Magnetic

12:20-12:30 **Matías A. Carrasco Bozo** (Universidad de Chile)

Title: Phenalenone-functionalized cationic polymers: a versatile platform

Symposium 7. Wednesday, 10:30 – 12:30

Auditorium 103 - Engineering Auditorium – Harmodio Arias Madrid Campus

Photochemical and biomedical applications of nitric oxide donor agents: Recent developments for antimicrobial and cancer therapy

Chairs: Roberto Santana da Silva (Univeridade de São Paulo), Salvo Sortino (Università di Catania)

Invited talks

10:30-11:00 **Salvatore Sortino** (University of Catania)

Title: Multifunctional Hyaluronic Acid- and Carbon Dot-Based Conjugates Photoreleasing Nitric Oxide

11:00-11:30 **Amedea Barozzi Seabra** (Federal University of the ABC)

Title: Precision Nanotherapy with Nitric Oxide: Boosting Anti-Cancer Effects and Minimizing Inflammation

11:30-12:00 **Luiz Gonzaga de França Lopes** (Federal University of Ceara)

Title: Controlled NO and HNO Release from Metal Complexes: Chemical and Photochemical Triggers and Biological Effects

12:00-12:30 **Roberto S. Silva** (University of Sao Paulo)

Title: Advancing photodynamic therapy by nitric oxide releasing agent using three-dimensional (3D) biofabricated cancer model



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Symposium 8. Wednesday, 14:00 – 15:30

Auditorium A-207, Research and Graduate Studies Auditorium

Optogenetics: New Tools for Precise Cell Control

Chairs: Alejandra Mussi (Universidad Nacional de Rosario), Matías Zurbriggen (Heinrich-Heine-Universität Düsseldorf)

Invited talks

14:00-14:30 **Matías Zurbriggen** (Heinrich-Heine-Universität Düsseldorf)

Title:

14:30-15:00 **Alejandra Mussi** (Universidad Nacional de Rosario)

Title: Light-modulated Circadian Rhythms in Non-phototrophic Critical Pathogens.

Symposium 9. Wednesday, 15:30 – 17:00

Auditorium 103 - Engineering Auditorium – Harmodio Arias Madrid Campus

Photodynamic Therapy and Photodynamic Inactivation

Chairs: Adriana Casas (Universidad de Buenos Aires), Carlos E. Crespo-Hernández (Case Western Reserve University)

Invited talks

15:30-15:55 **Carlos E. Crespo-Hernández** (Case Western Reserve University)

Title: Development of Biocompatible Multifunctional Agents for Photodynamic Therapy, Cancer Cell Imaging, and Cell Proliferation Inhibition

15:55-16:20 **Mariana B. Spesia** (Universidad Nacional de Río Cuarto)

Title: New strategies for optimizing the photoinactivation of bacteria

16:20-16:45 **Adriana Casas** (Universidad de Buenos Aires)

Title: Theranostic Potential of Aminolevulinic Acid-Derived Porphyrins

16:45-17:10 **Sherri A. McFarland** (The University of Texas at Arlington)

Title: Light-Responsive Metallodrugs: Structure, Excited States, and Biological Function

Oral Communications

17:10-17:20 **Jhohann David Alturo Walteros** (Universidad del Quindío)

Title: Gold Nanoparticle–Polyphenol Conjugates for Dual-Mode Antimicrobial Phototherapy

17:20-17:30 **Jhon Alejandro Arboleda-Murillo** (Universidad del Quindío)

Title: Light-Activated Antimicrobial Films: Structural and Optical Design of Curcumin–Chlorophyllin Alginate Composites.

Symposium 10. Wednesday, 15:30 – 17:00

Auditorium 102 – Faculty of Veterinary Medicine, Harmodio Arias Madrid Campus

Time-resolved studies of molecular mechanisms in photochemistry and photobiology

Chairs: Rene Nome (Universidade Estadual de Campinas), Germán Gunther (Universidad de Chile)

Invited talks

15:30-15:55 **Valentine Vullev** (University of California Riverside)



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- 15:55-16:20 Title: How Charge-Transfer Dynamics Leads to "Unusual" Photophysics
Igor Alabugin (Florida State University)
Title: Photoredox Paradox: Uncovering the Roles of Electron Upconversion and Electron Catalysis
- 16:20-16:45 **Frank Quina** (University of São Paulo)
Title: Probing Complex Systems with Time-Resolved Spectroscopies: From Micelles to the Chromophores of Red Wine
- 16:45-17:10 **Rene Nome** (Universidade Estadual de Campinas)
Title: Integrating Timescales in Chemistry: concepts, methods, examples
- Oral Communications
- 17:10-17:20 **Analia Young Hwa Cho** (Universidad de Chile)
Title: Photosensitization and Photostability of DAN fluorescent probes
- 17:20-17:30 **Álvaro Cabrera** (Universidad de Chile)
Title: Design and Synthesis of dicationic styryl dyes for nucleic acid detection enhancing binding through electrostatic interactions

Symposium 11. Thursday, 10:00 – 12:00

Auditorium 103 - Engineering Auditorium – Harmodio Arias Madrid Campus

Photoactive materials for photodynamic therapy applications

Chairs: Thiago Teixeira Tasso (Universidade Federal de Minas Gerais), Luiza Araújo Gusmão (Univeridade de São Paulo), Cristian Camilo Villa Zabala (Universidad del Quindío), Mario Miranda (Universidad de Panamá)

Invited talks

- 10:00-10:25 **Thiago Teixeira Tasso** (Universidade Federal de Minas Gerais)
Title: Combining carbon dots with porphyrin photosensitizers: a strategy to boost photophysical properties and toxicity against leukemia cells
- 10:25-10:50 **Luiza Araújo Gusmão** (Univeridade de São Paulo)
Title: Liposomes, Nanoemulsions and Cyclodextrins: Advanced Platforms for Photosensitizers
- 10:50-11:15 **Cristian Camilo Villa Zabala** (Universidad del Quindío)
Title: Photoactive Materials for Food Preservation
- 11:15-11:40 **Mario Miranda** (Universidad de Panamá)
Title: Impact of polymeric materials Photochemical redissolution on aquatic matrices

Oral Communications

- 11:40-11:50 **Juan Fernando Lopez Crespo** (Universidad Nacional de Colombia)
Title: Photostability study on red-emitting carbon dots by PARAFAC Analysis
- 11:50-12:00 **Cristian Tirapegui Calquin** (Universidad de Chile)
Title: In situ NMR photochemistry of dicationic azobenzenes



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Auditorium 102 – Faculty of Veterinary Medicine, Harmodio Arias Madrid Campus

Molecular Probes for Sensing and Imaging

Chairs: Carolina Aliaga (Universidad de Santiago de Chile)

Invited talks

10:00-10:25 **Carolina Aliaga** (Universidad de Santiago de Chile)

Title: From Inverted Solvatochromism to Excited-State Dynamics: Triarylpyrimidine Push–Pull Fluorophores as Molecular Probes in Microheterogeneous Media

10:25-10:50 **Alejandro Cortés** (Universidad de Valencia)

Title: Rationalizing the Excited-State Properties and Dynamics of Biphenyl-Based Push-Pull Systems

10:50-11:15 **Moisés Domínguez** (Universidad de Santiago de Chile)

Title: Lessons from the media: guidelines for improving the sensitivity of chromophores

11:15-11:40 **Pablo Rojas** (Universidad de Santiago de Chile)

Title: Detecting different liposomal microenvironments using fluorosolvatochromic dyes.

11:40-12:00 **Germán Gunther** (Universidad de Chile)

Title: Push-Pull fluorescent probes, from Webers' DANs to DAAns



Program

Posters

#	Authors	Abstract title
1	Diego Armando Villamizar-Mantilla, Luis Alberto Nuñez, Elena E. Stashenko & Jorge Luis Fuentes	Erythema protection efficacy of plant derivatives compounds based on narrow-band reflectance spectroscopy data in mice
2	Diego Armando Villamizar-Mantilla, Víctor Alfonso Carrero Pulido, Carina Arciniegas Sierra, Jhon Alexander Suescun Sepúlveda & Jorge Luis Fuentes Lorenzo	Radioresistance, photoprotection, and antigenotoxicity against UVB radiation of the pigmented Kocuria flava strain from Paramo ecosystems in Colombia
3	Fernanda M. Prado, Rafaela O. Nascimento, Marisa H. G. Medeiros, Graziella E. Ronsein, Sayuri Miyamoto, Hermi F. Brito & Paolo Di Mascio	Singlet oxygen in biological systems: mass spectrometry and near-infrared light emission measurements
4	Rocio B. Acosta, Edgardo N. Durantini & Mariana B. Spesia	Effective bacterial inactivation: combination of therapies
5	Verónica E. González, Edgardo N. Durantini & Mariana B. Spesia	Effects of photoinactivation on bacterial resistance and virulence factors
6	Giovanna Coelho Bosso, Luiza Araújo Gusmão, Rogéria Rocha Gonçalves & Antonio Claudio Tedesco	Evaluation of Graphene Quantum Dots in Breast Cancer Cell Line
7	Cristobal Espinoza, Denis Fuentealba & Daniel Guerra	Photophysical and photochemical study of inclusion compounds of indocyanine green with cucurbiturils
8	Álvaro Molina & Daniel Guerra	Photophysical and photochemical study of inclusion compounds of temoporfin with cucurbiturils
9	Lina M. Romero & Denis Fuentealba	Novel supramolecular turn-on/off system for singlet oxygen generation and fluorescence emission using acyclic cucurbituril-type containers
10	André L. Lopes, Thabata V. Ferreira, Fernanda M. Prado, Graziella E. Ronsein, Marisa H. G. Medeiros, Jean Cadet & Paolo Di Mascio	Characterizing the Photodamage Induced by 6-Thioguanine Incorporated Into DNA
11	Sofía Pérez Del Pino, Walter Brown, Daniel Guerra Díaz, Daniel Zúñiga-Núñez, Paula Rivero-Jerez, Daniel Pino, Hilde Harb Buzza & Denis Fuentealba.	Supramolecular prodrug delivery system based on 5-aminolevulinic acid cucurbit[7]uril complex with enhanced fluorescence detection and photodynamic therapy effect for breast cancer
12	Sebastian Crisóstomo-Cáceres, Paula S. Rivero-Jerez & Denis Fuentealba	Supramolecular Modulation of Natural Photosensitizer Aloe Emodin via Acyclic



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		Cucurbituril Complexation: Toward Enhanced PDT Performance
13	Leidy T. Sanchez, Cristian C. Villa & Lina Marcela Agudelo-Laverde	Development of quercetin capped TiO ₂ nanoparticles (Que-TiO ₂) for the photodegradation of ethylene in food applications.
14	J. Alejandro Arboleda-Murillo, Ana Valentina Luna-Obando, Andrés C. Giraldo-Contreas, Leidy T. Sanchez & Cristian C. Villa.	Photoactive Alginate-Based Films Characterized by Confocal Laser Microscopy and Steady-State Fluorescence
15	Jesúan J. Farías, M. Laura Dántola & Andrés H. Thomas	Photosensitized oxidation of free and peptide tryptophan to N-formylkynurenine
16	Danna Sofia Muñoz-Florez, Diana Blach & Cristian C. Villa	Comparison of the photoinactivation efficiency of chlorophyllin, gallic acid and rose bengal against S. Aureus.
17	Eunice Rios Vasquez, J Alejandro Arboleda-Murillo & Cristian C. Villa	Enhanced ROS Generation by Quercetin-Loaded Nanoemulsions
18	Isabela Canavezzi Matias, Carlos M.V. Palomino & Mauricio S. Baptista	Impact of melanin on melanocyte response to blue light
19	Juliana Marioni, Jesús M. N. Morales, Bianca Romero, Tomás I. Gómez, Brenda S. Konigheim, Claudio D. Borsarelli & Susana C. Núñez Montoya	Supramolecular Stabilization of Parietin by a Bio-Inspired Polycation for Photodynamic Applications
20	Jesús M.N. Morales, Cecilia Vera, Lujan Torres & Claudio D. Borsarelli	Characterization and photosensitizing properties of a supramolecular adduct formed between Rose Bengal and BSA crosslinked oligomers
21	Jesús M.N. Morales, Cecilia Vera & Claudio D. Borsarelli	Photosensitized oxidative crosslinking of bovine serum albumin and the impact on its esterase-like activity
22	Robles J., Cho YHA., Ormazabal-Toledo R. & Gunther G.	Photophysical Characterization of alkyl-amino phenalene derivatives in homogeneous/microheterogeneous media and analysis as potential membrane probes
23	Claudia Muñoz-Morcillo, Daniela Arroyo-Ortega, Cristian Hernandez-Sanchez & Juan Camilo Mejía-Giraldo	Synthesis and Evaluation of a Photostable Avobenzene Derivative as a UVA–UVB Photoprotective Ingredient for Sunscreen Formulation
24	María Paz Herrera, Paulina Dreyse, Iván A. González & Alan R. Cabrera	Novel heteroleptic Cu(I)-Dipyridylamine/Diphosphine complexes as active materials in Light-Emitting Electrochemical Cells.
25	Amaro Mejías & Germán Günther	SYNTHESIS AND CHARACTERIZATION OF N-ETHYLPYRIDIN-1-IUM-2-PYRIDONES AS



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		SINGLET OXYGEN RELEASERS IN MIXED AQUEOUS/ACETONITRILE MEDIA.
26	Charis Parramón Jurado, Cecilia Challier, Mariana B. Spesia, Marcela Altamirano & Susana N. Criado	Degradation of topical ophthalmic drugs under simulated oxidative stress conditions
27	Matías Carrasco, Ximena Briones & Germán Günther	Phenalenone-functionalized cationic polymers: a versatile platform
28	Álvaro Cabrera, Germán Günther & Javier Romero	DESIGN AND SYNTHESIS OF DICATIONIC STYRYL DYES FOR NUCLEIC ACID DETECTION ENHANCING BINDING THROUGH ELECTROSTATIC INTERACTIONS
29	Sofía BORASI, E. Taís AGUAYO FRÍAS & Daniel GONZÁLEZ MAGLIO	Development of an in vitro biological test to determine sun protection factor of commercial sunscreens.
30	Ariadna CIROCCO REDIGO, Sofía CONZÓN, E. Taís AGUAYO FRÍAS, Andrea CANELLADA & Daniel GONZÁLEZ MAGLIO	Evaluation of postbiotics and a plant extract for skin active photoprotection: role of Lactacisbacillus rhamnosus and Smilax campestris on UVB-induced keratinocyte damage
31	Analia. Y.H. Cho & German Gunther	Photosensitization and Photostability of DAN fluorescent probes
32	Pedro Duvan Barrios-Mejia, Leidy T. Sanchez & Cristian C. Villa	Photochemical properties of Rutin-loaded nanoemulsions.
33	Melannie García-Sánchez, Daniel Torres- Mendoza, Mario Miranda, Marcos H. Salazar & José Robinson-Duggon	PHOTOSENSITIZING EFFECT AND BINDING OF TOLUIDINE BLUE ON HUMAN SERUM ALBUMIN
34	Rut Urriola-Mendieta, Angely Cruz, Whitney Querini-Sanguillén, Jennifer Otero-González, Marcos H. Salazar, Mario Miranda, Denis Fuentealba & José Robinson-Duggon	PRELIMINARY RESULTS ON THE PHOTSENSITIZED EFFECTS OF A TOLUIDINE BLUE DERIVATIVE ON SUPEROXIDE DISMUTASE AND CATALASE
35	Jennifer Otero-González, Whitney Querini-Sanguillén, Daniel Torres-Mendoza, Ikhil Yevdayev, Sharon Yunayev, Kamrun Nahar, Barney Yoo, Alexander Greer, Denis Fuentealba & José Robinson-Duggon	Photosulfoxidation of Toluidine Blue O Sensitized by Visible Light
36	Whitney Querini-Sanguillén, Jennifer Otero-González, Melanie García-Sánchez, Daniel Zúñiga-Núñez, German Günther, Mario L. Miranda, Edgardo Castro-Pérez, Carlos Ramos, Denis Fuentealba & José Robinson-Duggon	Toluidine blue O demethylated photoproducts as type II photosensitizers



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37	Manuela Saldarriaga, Juan Fernando López, Juan Bautista López, Carolina Castaño, Cristina Valencia, Donaldo Fabio Mercado & Juliana Palacio.	Evaluation of the Thermal and Photochemical Stability of Fe ₃ O ₄ Magnetic Nanoparticles Functionalized with Methotrexate.
38	Juan F Lopez, Diego Uribe, Esneyder Arias, Gloria Valencia, Adriana Ipiña, Juliana Palacio & Donaldo Mercado.	Photostability study on red-emitting carbon dots by PARAFAC Analysis
39	Gricelda Godoy Ortega, Gemma Rodriguez Muñiz, Virginie Lhiaubet Vallet, Carolina Lorente & Andrés H. Thomas	Pterin–Thymine Adducts as Photosensitizers for Oxidative Damage
40	Bianca Carolina Romero, Juliana Marioni, Tomás Isaac Gómez & Susana Carolina Núñez-Montoya	Reactive oxygen production by a natural anthraquinone and its homodimer on Candida tropicalis biofilm
41	J. Alejandro Arboleda-Murillo, Sergio E. Moya, Eduart Gutierrez-Pineda & Cristian C. Villa4	Light-Activated Antimicrobial Films: Structural and Optical Design of Curcumin–Chlorophyllin Alginate Composites.
42	Jhohann D. Alturo-Walteros, Diana Blach, J. Alejandro Arboleda-Murillo & Cristian C. Villa2	Gold Nanoparticle–Polyphenol Conjugates for Dual-Mode Antimicrobial Phototherapy
43	Carolina Aliaga , Moisés Domínguez, Matías Vidal and Pablo Rojas	Detecting different liposomal microenvironments using fluorosolvatochromic dyes.



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Transportation Schedule

Dear participants,

We inform you that transportation will be provided between the Central Campus and the Harmodio Arias Madrid Campus (Dome) for the XVI Latin American Meeting on Photochemistry and Photobiology (ELAFOT 2025). The shuttle service will operate according to the following schedule:

Date	Departure Time	From	To
October 27	7:00 p.m.	Central Campus	Hotel El Panamá
October 28 & 29	7:30 a.m.	Central Campus	Harmodio Arias Madrid Campus
October 28 & 29	12:30 p.m.	Harmodio Arias Madrid Campus	Albrook Mall (Lunch)
October 28 & 29	1:45 p.m.	Albrook Mall	Harmodio Arias Madrid Campus
October 30	7:30 a.m.	Central Campus	Harmodio Arias Madrid Campus
October 30	2:00 p.m.	Harmodio Arias Madrid Campus	Central Campus

We kindly ask all attendees to be present **10 minutes before the scheduled departure time** to ensure punctuality and smooth logistics throughout the event.

Thank you for your cooperation.



Tap the link to view the exact pick-up location on Google Maps.



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Gala Dinner – XVI ELAFOT: Celebrating Light and Science



As part of the official program of the XVI Latin American Meeting on Photochemistry and Photobiology (ELAFOT 2025), a Gala Dinner will be held on October 29 at 8:00 PM at the Hotel Torre de Alba, with a Gala/Formal dress code. This academic and social event is conceived as a space to promote interaction among participants in an atmosphere that reflects the identity of our scientific community.

The evening will bring together researchers, students, and invited speakers from various countries, offering an opportunity to strengthen professional networks, encourage future collaborations, and celebrate the scientific advances that continue to shape the fields of photochemistry and photobiology. In addition to the formal dinner, the event will include artistic and cultural activities, fostering a spirit of exchange, integration, and cooperation. Further details on logistics, transportation, and registration can be found through the corresponding QR codes in the official congress materials.



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Wifi

Auditorium A-207

- Wifi: Auditorium A-207
- Password: oevip-2024

Auditorium 202

- Wifi: TP_Link_33CB_5G
- Password: 12618736

Auditorium 203

- Wifi: ELAFOT-2025
- Password: CURUNDU-UP2025

