



IPAP18

Innovations in Pharmacy

ADVANCES & PERSPECTIVES

IPAP18.org

CONGRESS PROGRAM

24 / September
28 / Salamanca

Congress Schedule

24
Mon

COIFFA Workshop 11:00 Sala de Grados
COIFFA Meeting 16:00 Sala de Grados

25
Tues

COIFFA Assembly 9:00 Salón de Actos
Congress check-in 12:00 -18:00 Hospedería Fonseca

OPENING SESSION: 18:00 Hospedería Fonseca (→)
Nobel Prize Dr. P. Sharp

Chamber Chorus University of Salamanca
Welcome Cocktail 20:30 Colegio Fonseca



Phillip Allen Sharp

26
Wed

SYMPOSIUM: PHARMACY EDUCATION AROUND THE WORLD

9:00 **FACULTY OF PHARMACY**
Workshop 1: Europe **Salón de Actos (→)**
Workshop 2: Iberoamérica **Aula II**
Workshop 3: N.C. America **Aula III**

11:00 **FACULTY OF PHARMACY**
Workshop 4: E-Learning **Salón de Actos (→)**
Workshop 5: Africa **Aula II**
Workshop 6: Asia **Aula III**

POSTER SESSION 12:30 FACULTY OF PHARMACY

PLENARY SESSION: 13:00 Salón de Actos
Dr. M. García Blanco (→)

26
Wed

SYMPOSIUM: EDUSFARM
Edusfarm 1: Dean's Conference 9:00-18:00 Colegio Fonseca

BIDAFARMA PRESENTATION
15:30-17:30 **AULA I**

15:30 **FACULTY OF PHARMACY**
Edusfarm 2: Vicedean's Conference **Sala de Grados**
Edusfarm 3a: Oral presentation **Salón de Actos (→)**
Edusfarm 3b: Oral presentation **Aula II**
Edusfarm 4: Pharma for NTDs **Aula III**

17:30 **FACULTY OF PHARMACY**
Edusfarm 5: Meeting Erasmus **Sala de Grados**
Edusfarm 6: Individual Med (AEFF) **Salón de Actos (→)**
Edusfarm 7: Type 2 Diabetes (SEFAC) **Aula II**
Edusfarm 8: MEDAFAR (P. Care) **Aula III**

SYMPOSIUM SEFAC 20:30 PARANINFO University of Salamanca



Mariano A. García Blanco

27
Thu

SYMPOSIUM: SEFAC, The pharmacist you need
10:00 - 18:00 **PLAZA DE LOS BANDOS**

SYMPOSIUM: RESEARCH AND PHARMACY
9:00 **FACULTY OF PHARMACY**
Workshop 7: Brain Therapeutics **Salón de Actos (→)**
Workshop 8: Food and Health **Aula II**
Workshop 9: Nanotechnology **Aula III**

11:00 **FACULTY OF PHARMACY**
Workshop 10: Big Data Haematology **Salón de Actos (→)**
Workshop 11: Cardiology **Aula II**
Workshop 12: Superbugs **Aula III**

POSTER SESSION 12:30 FACULTY OF PHARMACY

PLENARY SESSION: 13:00 Salón de Actos (→)
Dr. M. E. Patarroyo

27
Thu

SYMPOSIUM: ACADEMIES OF PHARMACY
15:30 **PARANINFO USAL**

Mylan **MYLAN PRESENTATION**
16:00 **AULA I**

SYMPOSIUM: EDUSFARM

15:30 **FACULTY OF PHARMACY**
Edusfarm 9a: Oral presentation **Salón de Actos (→)**
Edusfarm 9b: Oral presentation **Aula II**
Edusfarm 10: Meeting Pharm Care Teachers **Aula III**
Edusfarm 11: Meeting Final Project **Sala de Grados**

17:30 **FACULTY OF PHARMACY**
Edusfarm 12: Pharma Tech Iberoamerica **Salón de Actos (→)**
Edusfarm 13: Marketing **Aula II**
Edusfarm 14: Learning Meth **Aula III**
Edusfarm 15: Sentinel Pharmacies CONCYL **Sala de Grados**



OPENING AUSAF 19:00 FACULTY OF PHARMACY



Manuel Elkin Patarroyo Murillo

28
Fri

SYMPOSIUM: PHARMACEUTICAL APPROACH

9:00 **FACULTY OF PHARMACY**
Pharmacy Academies Meeting **Sala de Grados**
Workshop 13: CONGRAL **Salón de Actos (→)**
Workshop 14: SEFIG **Aula II**
Workshop 15: Science Park Salamanca **Aula III**

11:00 **FACULTY OF PHARMACY**
Workshop 16: SEFH **Salón de Actos (→)**
Workshop 17: Water Resources **Aula II**
Workshop 18: Startup Olé accelerator **Aula III**

POSTER SESSION 12:30 FACULTY OF PHARMACY

PLENARY SESSION: 13:00 Salón de Actos (→)
Dr. A. Domínguez-Gil González



Beatriz Domínguez-Gil González

FAREWELL LUNCH

14:00 Castillo del Buen Amor
SALIDA BUS / SHUTTLE DEPART: 14:15 UNIVERSITY CAMPUS

IPAP18

Innovations in Pharmacy

ADVANCES & PERSPECTIVES

#IPAP18

Mylan
Better Health
for a Better World

Grupo **bida**
farma

24

Monday · Lunes

11:00 Sala de Grados Workshop COIFFA “Taller Mínimos Curriculares”

16:00 Sala de Grados Meeting COIFFA

25

Tuesday · Martes

9:00 Salón de Actos Assembly COIFFA

12:00 - 18:00 Hospedería Fonseca **CONGRESS CHECK-IN**

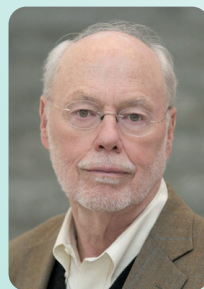


18:00 Hospedería Fonseca

OPENING SESSION ((»))

Inaugural Lecture:
Transforming Pharmacy
through scientific advances.

Dr. Phillip Allen Sharp
Nobel Prize 1993.



Chamber Chorus University of Salamanca

20:30 Colegio Fonseca **Welcome Cocktail**



SYMPOSIUM: EDUSFARM

9:00 - 18:00 Colegio Arzobispo Fonseca E1. Dean's Conference

SYMPOSIUM: PHARMACY EDUCATION AROUND THE WORLD

9:00 FACULTY OF PHARMACY

Salón de Actos Workshop 1: Europe. (➔)**Chairperson: Luis Recalde Manrique (Faculty of Pharmacy, University of Granada, Spain).**

- The studies of pharmacy in France in 2018: the example of the faculty of Caen. **Michel Boulouard**. *Pharmacie, Université de Caen, Normandie, France*.
- The studies of pharmacy in Poland: the example of the faculty of Krakow. **Renata M F Jachowicz**. *Jagiellonian University, Medical College, Poland*.
- The studies of pharmacy in Portugal: the example of the faculty of Coimbra. **Fernando Ramos**. *Faculty of Pharmacy, University of Coimbra, Portugal*.

Aula II Workshop 2: IberoamericaPharm. Pharmaceutical Education in Iberoamerica. Scenarios 2030 (challenges and trends).**Chairperson: Patricia Parra Cervantes and Ramón Soto Vázquez (Facultad de Estudios Superiores, UNAM, México).**

- The University on the Horizon 2030. **Alma X. Herrera Márquez**. *Universidad Abierta y a Distancia, UNAM, México*.
- Pharmaceutical Education . . . Where are we going? **Iván Torres Marquina**. *Universidad Privada Antonio Guillermo Urrelo, Perú*.
- Challenges of Pharmaceutical Education. **María Eugenia de Olivera**. *Facultad de Farmacia, Universidad de Córdoba, Argentina*.

Aula III Workshop 3: AmericaPharm. Pharmaceutical Education in North America and Central America.**Chairperson: Wanda T. Maldonado-Dávila (School of Pharmacy, University of Puerto Rico, Puerto Rico).**

- Pharmacy Education in Canada. **Marc Desgagné**. *Faculté de Pharmacie, Université Laval, Canada*.
- Pharmacy Education in Panamá. **Rosa Buitrago**. *Facultad de Farmacia, Universidad de Panamá, Panamá*.
- Pharmacy Education in the United States of America and Puerto Rico. **Wanda T. Maldonado-Dávila**. *School of Pharmacy, University of Puerto Rico, Puerto Rico*.

10:30 COFFEE BREAK

SYMPOSIUM: PHARMACY EDUCATION AROUND THE WORLD**11:00 FACULTY OF PHARMACY****Salón de Actos Workshop 4: E-LearningPharm. Working towards better learning in Pharmacy. (↔)****Chairperson: M^a Luisa Ferrándiz and Teresa M^a Garrigues (Facultat de Farmàcia, University of Valencia, Spain).**

- Use of technology to deliver team-based learning. **Geeta Hitch.** *Dept Pharmacy Practice, School of Life Sciences, University of Sussex, UK.*
- Technology and Social Media for increasing learning, communication, and critical thinking in our learners. **Ruth E. Nemire.** *American Association of Colleges of Pharmacy (AACP), Associate Executive Vice President, USA.*
- Can we achieve competencies in lab work virtually? **Isabel Andújar Pérez.** *Departamento Ciencias Biomédicas y de la Salud, Universidad Europea de Valencia, Spain.*

Aula II Workshop 5: AfricaPharm: Pharmacy Education in Africa.**Chairperson: David Roca Biosca (Fundación El Alto, Castellón, Spain).**

- Pharmacy situation in francophone Africa. Opportunities of Higher Education in Pharmacy in Sub Saharan Africa. **David Roca Biosca.** *Fundación El Alto, Castellón, Spain.*
- Pharmacy Education in Ethiopia. Research goals in Pharmaceutical education in Africa. **Ephrem Engidawork.** *School of Pharmacy of Addis Ababa University, Ethiopia.*
- Pharmacy Education in Uganda. Challenges in the leadership of African Pharmaceutical Education. **Richard Odoi Adome.** *School of Health Sciences, Makerere University, Uganda.*

Aula III Workshop 6: AsiaPharm. Education in Pharmacy around the world: Asia.**Chairperson: Akira Ikari (Gifu Pharmaceutical University, Gifu, Japan).**

- Pharmaceutical Education System in Japan. **Akira Ikari.** *Gifu Pharmaceutical University, Gifu, Japan.*
- Pharmacy Practice Model in Japan. **Yasuo Takeda.** *Kagoshima University Hospital, Japan.*
- Exploring innovative pharmaceutical talents cultivation mode in Zhejiang University. **Xiangnan Zhang.** *Zhejiang University, China.*

12:30 FACULTY OF PHARMACY**POSTER SESSION**

Posters related to Symposium Pharmacy Education Around the World will be displayed on television screens and, in addition, computer rooms will be enabled, where it will be possible to consult the posters more peacefully.

13:00 FACULTY OF PHARMACY

Salón de Actos **PLENARY SESSION** (↔)

The Love-Hate relationship between host proteins and viral RNAs.

Mariano A. García Blanco
 Biochemistry and Molecular Biology University of Texas
 Medical Branch Galveston TX, USA.

14:00 WORK LUNCH

SYMPOSIUM: EDUSFARM

15:30 FACULTY OF PHARMACY



BIDAFARMA PRESENTATION
 AULA I

Sala de Grados **E2. Vicedean's Conference.**

Chairperson: Ana Martín Suárez (University of Salamanca, Spain).

Salón de Actos **E3a. Final Project Oral Communications.** (↔)

Chairperson: Raquel Álvarez Lozano (University of Salamanca, Spain).

· Molecular mechanisms of neuronal death in amyotrophic lateral sclerosis with *C9orf72* gene mutation. **Andrea García López.** *University of Castilla La Mancha, Spain.*

· Role of pleiotrophin and midkine in *LPS*-induced astrocytosis: implications in neuroinflammation. **Carlos de la Torre-Ortiz.** *University of San Pablo CEU, Spain.*

· Design of a new scaffold of soy protein combined with mesenchymal stem cells for chronic wound healing. **Kevin Las Heras Zapata.** *University of the Basque Country, UPV/EHU, Spain.*

· Nanoencapsulated curcumin as a potential therapy for age related neurodegenerative diseases. **Telma Bezerra Soares.** *University of Porto, Portugal.*

· *Saccharomyces cerevisiae* as a model for the study of Alzheimer's disease. **Marta Valentí Sanguino.** *Complutense University of Madrid, Spain.*

Aula II E3b. Final Project Oral Communications.

Chairperson: Marta Prieto Vicente (University of Salamanca).

· Toxicity of fluconazole in selected aquatic species. **Cristina Pablos Ocaña.** *University of Alcalá, Spain.*

· Development of an ocular insert with Progesterone for the treatment of Retinosis Pigmentaria. **Iris María Domenech Monseil.** *University Cardenal Herrera-CEU, Valencia, Spain.*

· Photophysical study of new fluorescence probes. **M. Carmen González García.** *University of Granada, Spain.*

· Attention-Deficit/Hyperactivity Disorder. **María Mercedes Polo Giménez.** *University of Sevilla, Spain.*

· In silico study of potential antidiabetic activity of phenolic compounds from *Psidium guajava*. **Francisco Girón Rodríguez.** *Catholic University San Antonio of Murcia.*

Aula III E4. Special Session. Pharma for NTDs.

Chairperson: Juan José de los Santos Sanz-Bustillo (Mundo Sano Foundation, Spain).

· Novel Advances in Pharma for NTDs: The case of Chemo Group and Mundo Sano Foundation.

17:00 COFFEE BREAK

Posters Pharmacy TFG students will be displayed on television screens and, in addition, computer rooms will be enabled, where it will be possible to consult the posters more peacefully.

17:30 FACULTY OF PHARMACY**Sala de Grados E5. Meeting Erasmus Coordinators.**

Chairperson: Carmen Rubio Armendáriz (University of La Laguna, Spain).

Salón de Actos E6. Quality aspects for individualized compounded medications in different US and EU settings. (▶)

Chairperson: Rafael Puerto Cano and Luis Marcos Nogales, (Spanish Society of Individualized Drugs, Spain).

- United States Pharmacopoeia (USP). Reference Standards and its implementation in Pharmaceutical compounding both in US and internationally. **Marisol López**. *University of Puerto Rico, School of Pharmacy. Faculty American College of Apot, Puerto Rico.*
- Quality for compounding activities in Community Pharmacy in Spain and other EU countries. **Rafael Puerto Cano**. *LaSEMI – President (Spanish Society of Individualized Drugs), Spain.*
- Hospitalized patient versus discharged patient. Relevant aspects in individualized. **Aquilino Corral Aragón**. *Community Pharmacist. Compounding expert, Spain.*

Aula II E7. Pharmaceutical Care in Type 2 Diabetes in Community Pharmacy, SEFAC.

Chairperson: Ana M^a Molinero Crespo (SEFAC (Spanish Society of Familiar and Community Pharmacy, Spain).

Aula III E8. MEDAFAR: Communication between health professionals.

Chairperson: Ana Dago (Fundación Pharmaceutical Care Spain, Spain).

20:30 Paraninfo University of Salamanca. Historical Building.

SYMPOSIUM SEFAC. The Pharmaceutical Professional Services in the framework of the Sanitary System.

Chairperson: Jesús C. Gómez Martínez SEFAC,
(Spanish Society of Familiar and Community Pharmacy, Spain).

10:00 – 18:30 Plaza de los Bandos

SYMPOSIUM SEFAC: THE PHARMACIST YOU NEED
Tent of pharmaceutical professional services.

SYMPOSIUM: PHARMACY RESEARCH & PHARMACY

9:00 FACULTY OF PHARMACY

Salón de Actos **Workshop 7: Understanding our Brain to improve Therapeutics.** (»)

Chairperson: Juan Pedro Bolaños (Institute of Functional Biology and Genomics, Salamanca, Spain).

- Crosstalk between Brain Cells. **Juan Pedro Bolaños**. *Institute of Functional Biology and Genomics, Salamanca, Spain.*
- Neural Stem Cells. **Isabel Fariñas**. *University of Valencia, Spain.*
- Cannabinoids and Brain Function. **Giovanni Marsicano**. *Université Bordeaux, France.*

Aula II **Workshop 8: Food and health in the omics era.**

Chairperson: Celestino Santos Buelga (University of Salamanca, Spain).

- Nutritional genomics. The way to personalised nutrition. **Alberto Dávalos Herrera**. *Instituto Madrileño de Estudios Avanzados (IMDEA) Madrid, Spain.*
- Metabolomics. Defining biomarkers of consumption and effect. **Fulvio Mattivi**. *Center Agriculture Food Environment, University of Trento, Italy.*
- Microbiomics. What happens in the gut matters! **María Carmen Collado Amores**. *Instituto de Agroquímica y Tecnología de Alimentos IATA-CSIC, Valencia, Spain.*

Aula III **Workshop 9: Perspectives of Nanoscience and Nanotechnology in Medicine and Pharmacy.**

Chairperson: María Jesús Almendral Parra (University of Salamanca, Spain).

- Nanobiosensors in diagnostics. **Arben Merkoçi**. *Instituto Catalán de Nanotecnología, Spain.*
- Identifying molecular signatures of tumor dormancy as a basis for the rational design of precision nanomedicines. **Ronit Satchi-Fainaro**. *Faculty of Medicine, Tel Aviv University, Israel.*
- Designing Hybrid Nanoparticles for Therapy and Diagnosis. **Jesús M. de la Fuente**. *Institute of Nanoscience of Aragon, University of Zaragoza, Spain.*

10:30 COFFEE BREAK

11:00 FACULTY OF PHARMACY

Salón de Actos **Workshop 10: Haematological Malignancies Big Data.** (»)

Chairperson: Jesús M^a Hernández Rivas (University of Salamanca, Spain).

- Secondary use of health data in the era of the GDPR: an ethical and legal approach. **Federico de Montalvo**. *ICADE, Madrid, Spain.*
- The relevance of the public-private partnership in health. **John Butler Bayer**. *Germany.*
- Big Data for Better Outcomes (BD4BO) in Health. **Jesús M^a Hernández Rivas**. *University of Salamanca, Spain.*

Aula II **Workshop 11: Advanced Pharmaceutical Solutions in Cardiology.**

Chairperson: Ignacio Fernández Lozano (Hospital Puerta de Hierro, Madrid, Spain).

- Advances and challenges in Cardiovascular treatment. **Ignacio Fernández Lozano.** *Hospital Puerta de Hierro, Madrid, Spain.*
- 2018: State of the art in Cardiology Pharmaceutical Solutions. **Luis Rodríguez Padial.** *Complejo Hospitalario de Toledo, Spain.*
- Reduced major cardiovascular events by using *JPCSK9*. Outcomes from the FOURIER study. **Peter Sever.** *International Centre for Circulatory Health, National Heart and Lung Institute. Imperial College London, London, United Kingdom.*

Aula III **Workshop 12: Superbugs: the global epidemic.**

Chairperson: María Jesús Lamas Díaz

Agencia Española de Medicamentos y Productos Sanitarios (AEMPS).

- Spain against resistance: *PRAN* advances. **María Jesús Lamas Díaz.** *Agencia Española de Medicamentos y Productos Sanitarios (AEMPS).*
- PREPARE-VET. **Bruno González Zorn.** *Facultad de Veterinaria de la UCM.*
- Proyecto SWISpain. **Víctor Jiménez Cid.** *Universidad Complutense de Madrid, Spain.*

12:30 FACULTY OF PHARMACY

POSTER SESSION

Posters related to Symposium Research and Pharmacy will be displayed on television screens and, in addition, computer rooms will be enabled, where it will be possible to consult the posters more peacefully.

13:00 FACULTY OF PHARMACY

Salón de Actos **PLENARY SESSION** (⟳)



The New Vaccines.

Manuel Elkin Patarroyo

Fundación Instituto de Inmunología de Colombia
FIDIC. Bogotá, Colombia.

14:00 WORK LUNCH

SYMPOSIUM: ACADEMIES OF PHARMACY**16:00** Paraninfo University of Salamanca**Mylan****MYLAN PRESENTATION****16:00 AULA I****15:30 FACULTY OF PHARMACY****Salón de Actos E9a. Final Project Oral Communications. (↔)****Chairperson: Esther Caballero Salvador (University of Salamanca, Spain).**

- In vitro study of Rilpivirine antifibrotic effect through *STAT7* signalling pathway. **David Verdú Coloma. University of Valencia, Spain.**
- Intracellular delivery of nucleic acids using a new type of cell penetrating peptides. **Irene Adán. Barrientos University of Santiago de Compostela, Spain.**
- Characterization of nivolumab use in non-small cell lung cancer in a named patient program in Portugal. **Patrícia Gaspar Gomes. University of Lisboa, Portugal.**
- Bevacizumab treatment in metastatic colorectal cancer patients: genes studies as biomarkes of drug efficacy. **Laura Beltrán Sangüesa. European University of Madrid, Spain.**
- New role of splicing and nonsense-mediated decay (NMD) alterations in acetaminophen-induced acute liver damage. **María Garate Rascón. University of Navarra, Spain.**

Aula II E9b. Final Project Oral Communications.**Chairperson: Raúl Rivas González (University of Salamanca, Spain).**

- Leishmanicidal and trypanocidal activity of new natural products. **Karen Álvarez Tosco. University of La Laguna, Tenerife, Spain.**
- Molecular epidemiology of *Pseudomonas aeruginosa* through Double-locus sequence typing technique. **Mireya Fernández Sánchez. Miguel Hernández University of Elche, Spain.**
- Study of the gastrointestinal microbiota in 3 months-old children from the *NELA* cohort study: A) Microbial cultures. *Escherichia coli*: prevalence and phylotypes. B) Gas chromatography – mass spectrometry as culture-independent technique. **Miguel Gancedo Rodrigo. University of Murcia, Spain.**
- Study of the protective capacity of the chimeric protein *Fh3Tq* against infection in experimental model of *Fasciola hepatica*. **Alexander Martín Tabasco. University of Salamanca, Spain.**

Aula III E10. Meeting Pharmaceutical Care Teachers.**Chairperson: María Álvarez de Sotomayor (University of Sevilla, Spain).****Aula IV E11. Meeting Final Project Coordinator.****Chairperson: Raquel Álvarez Lozano (University of Salamanca, Spain).****17:00 COFFEE BREAK**

Posters Pharmacy TFG students will be displayed on television screens and, in addition, computer rooms will be enabled, where it will be possible to consult the posters more peacefully.

Salón de Actos E12. Research on Pharmaceutical Technology: Iberoamerica.

Chairperson: Ana Isabel Torres-Suárez (Universidad Complutense de Madrid, Spain). (↔)

- Pharmaceutical development of herbal medicinal products. **Manuel Córdoba Díaz**. *Universidad Complutense de Madrid, Spain.*
- Targeted nanoparticles for cancer therapy. **Josimar de Oliveira Eloy**. *Universidade Federal do Ceará, Fortaleza-CE, Brazil.*
- Lyotropic liquid crystalline dispersions as topical and transdermal drug delivery systems. **Carlos Tomás Quirino Barreda**. *Universidad Autónoma de México-Xochimilco, México.*

Aula II E13. Innovation in the commercialization of new medicines: the 4 pillars from the Marketing Authorization to Market Access.

Chairperson: José Manuel Rodríguez Barrios (Economics, Pricing and Market Access Strategy Director Europe, Daiichi Sankyo Europe) and Raquel Carnero Gómez (University of Salamanca, Spain).

- First of the 4 pillars: Innovation in Marketing Authorizations. **Marcos Timón**. *AEMPS – Alternate member at the Committee for Advanced Therapies / Member of the BWP, Spain.*
- Second pillar from Marketing Authorization to Market Access: evidence generation from HEOR. **Paloma González**. *Strategic account & Business Development Lead – Hologic, Inc., Spain.*
- Pricing and Market Access Strategy from Pharma industry: the third pillar. **M^a José Sancho González**. *QP and Regulatory Affairs Director – Mundipharma, Spain.*
- The fourth pillar from Marketing Authorization to Market Access: the hospital approach and the pharmacotherapeutics guide system. **Aristides de León**. *Responsible for pharmacotherapeutic management and secretary of the Clinical Trials Commission of the Hospital de la Candelaria de Tenerife, Spain.*

Aula III E14. Strategies for the implantation of active learning methods in pharmaceutical education.

Chairperson: Geraldo Alécio de Oliveira (Grupo Educacional Athenas – Brazil).

Sala de Grados E15. Experiences from the Sentinel Surveillance Network of Pharmacies in Castilla y León.

Chairperson: Carlos Treceño Lobato (Presidente del Consejo de Farmacéuticos de Castilla y León y responsable de la Red de Farmacias Centinela, Spain).

SYMPOSIUM: PHARMACEUTICAL APPROACH

9:00 FACULTY OF PHARMACY

Salón de Actos Workshop 13: Experiences in the development of pharmaceutical professional services from the Community Pharmacy (CONGRAL). (▶)**Chairperson: Miguel Ángel Gastelurrutia, (Presidente COF Guipúzcoa, Spain).**

- Pharmacy Practice and Pharmacy curricula in Spain. **Marta Gil Ortega. University San Pablo CEU, Spain.**
- Pharmaceutical Professional Services in Spain. **José Luis Nájera García. President of the Official College of Pharmacists of Palencia, Spain.**
- Pharmaceutical Professional Services in Portugal. **Hélder Mota Filipe. Presidente del Consejo de Cooperación de la Orden de Farmacéuticos de Portugal.**
- Teaching Pharmaceutical Care in the University. **Miguel Ángel Gastelurrutia. President COF, Gipúzcoa, Spain. And Eduardo Mariño. University of Barcelona, Spain.**

Aula II Workshop 14: Advances in Pharmaceutical Technology, SEFIG (Sociedad Española de Farmacia Industrial y Galénica).**Chairperson: Francisco Otero Espinar (SEFIG, Sociedad Española de Farmacia Industrial y Galénica, Spain).**

- Present and future pharmaceutical technologies for the delivery of active substances. **Gilles Ponchel. Université Paris Sud. Faculté de Pharmacie, France.**
- Advances in the formulation of biologicals using pharmaceutical nanotechnology. **M^a José Alonso. University of Santiago de Compostela, Spain.**
- Design space and critical points in solid pharmaceutical forms. **Isidoro Caraballo. Universidad de Sevilla, Spain.**

Aula III Workshop 15: Salamanca Science Park, Boosting Innovation.**Chairperson: Teresa Jiménez Cabaco (University of Salamanca, Science Park).**

- Tissue compensator for improving the radiation dose when treating superficial tumors through 3D printing. **Antonio J. Alonso. My Little Factory.**
- Legal protection and defense of intangible assets. **David Franco / Eleazar García. TEGÓ.**
- Discover and develop molecules for the treatment of CNS conditions. **Miguel Ángel Ávila. Neurofix Pharma.**

10:30 COFFEE BREAK

11:00 FACULTY OF PHARMACY

Salón de Actos Workshop 16: Commitment to Hospital Pharmacist Training, Spanish Society of Hospital Pharmacy (SEFH). (▶)**Chairperson: María José Otero, (Hospital Pharmacy Service of Salamanca, Spain).**

- Specialist Training as the way for Excellence in Hospital Pharmacy. **Ana Lozano Blazquez**. *SEFH Vice president. National Commission Hospital Pharmacy Member, Spain.*
- Innovation in continuous training for specialist pharmacist and technician in Hospital. **Ana María Cordero Cruz**. *SEFH Deputy Director Training, Spain.*
- What does the resident pharmacist from training? What does SEFH do to improve training of resident pharmacist? **Manuel Murillo Izquierdo**. *SEFH Resident Pharmacist Vocal, Spain.*

Aula II **Workshop 17: Mineromedicinal waters Microbiology in Latin American and Europe: Microbiota and its Biotechnological Pharmaceutical, and Industrial applications.**

Chairperson: **Félix Daniel Andueza Leal** (Universidad Central del Ecuador).

- Microbial mats in mineromedicinal water of Spain. **Carmina Rodríguez Fernández**. *Universidad Complutense de Madrid, Spain.*
- Chemical study of mineromedicinal water from Spain. **Esperanza Torija**. *Universidad Complutense de Madrid, Spain.*
- Microbial biodiversity and environmental resistomas in mineromedicinal waters from Latin America. **Felix Daniel Andueza Leal**. *Universidad Central del Ecuador, Ecuador.*

Aula III **Workshop 18: Startup Olé Accelerator, boosting entrepreneurial mindset.**

Chairperson: **Emilio Corchado** (University of Salamanca, Spain).

- Innovation and Entrepreneurship in Pharma. **Antonio León**. *Centro de estudios Superiores de la Industria Farmacéutica (CESIF).*
- José Benjumea**. *Thermo Fisher Scientific.*
- Beatriz de Luis**. *BDL SEARCH.*
- Francisco Otero Espinar**. *Sociedad Española de Farmacia Industrial y Galénica (SEFIG).*

12:30 FACULTY OF PHARMACY

POSTER SESSION

Posters related to Symposium Pharmaceutical Approach will be displayed on television screens and, in addition, computer rooms will be enabled, where it will be possible to consult the posters more peacefully.

13:00 FACULTY OF PHARMACY

Salón de Actos **PLENARY SESSION** (⟶)



**Organ Transplantation:
Current Challenges and Solutions.**

Beatriz Domínguez-Gil González

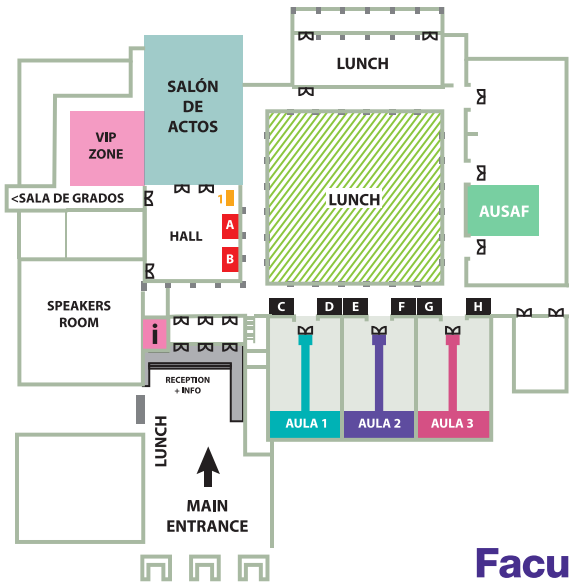
Organización Nacional de Trasplantes, Spain.

Castillo del Buen Amor **14:30 FAREWELL LUNCH**

Salida Autobús/ Shuttle Depart: 14:15 University Campus

Faculty of Pharmacy

MAIN FLOOR



1. POSTER TV 75" POINT

DIAMOND STANDS:

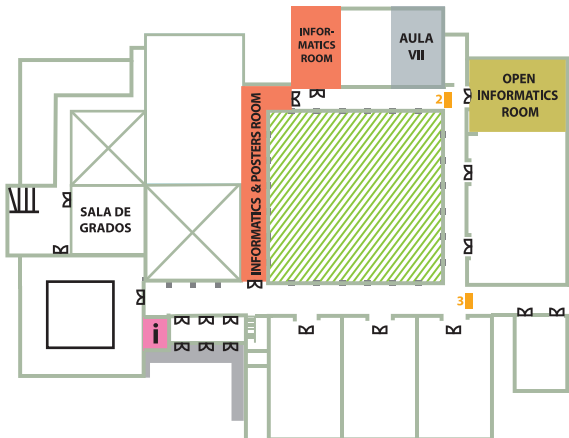
- A MYLAN
- B BIDAFARMA

GOLD STANDS:

- C COFARES
- D CINFA
- E BANCOFAR
- F MUNDOSANO
- G GLAXO
- H SANTANDER

Faculty of Pharmacy

FIRST FLOOR



2. POSTER TV 55" POINT

3. POSTER TV 55" POINT

INFORMATICS & POSTER ROOM

OPEN INFORMATICS ROOM

Congress City Points



- 1** **FACULTY OF PHARMACY:**

Salón de Actos
Aula I, II, III
Sala de Grados
AUSAF
Stands
Info Point
- 2** **HOSPEDERÍA & COLEGIO FONSECA**
Congress Check-in
- 3** **PARANINFO UNIVERSITY OF SALAMANCA. HISTORICAL BUILDING.**
- 4** **PLAZA DE LOS BANDOS**

CASTILLO DEL BUEN AMOR.
23 km from Salamanca.
Shuttle from University Campus

IPAP18

Salamanca



VNIVERSIDAD
D SALAMANCA

