

# 24<sup>a</sup>

# REUNIÓN ANUAL

Sociedad Española de Investigación  
sobre Cannabinoides

## Córdoba

28-30 de noviembre  
2024



**24<sup>a</sup> Reunión Anual de la  
Sociedad Española de Investigación  
sobre Cannabinoides**

Auditorio del Centro de Recepción de Visitantes

**Córdoba**  
**28-30 noviembre, 2024**

*Portada: Paula Torres Maldonado*

## **COMITÉ ORGANIZADOR**

Verónica Sánchez de Medina Baena (Phytoplant)

Carlos Ferreiro Vera (Phytoplant)

## **JUNTA DIRECTIVA**

**Presidenta:** Cristina Sánchez García (Universidad Complutense de Madrid)

**Vicepresidente:** Andrés Ozaita Mintegui (Universidad Pompeu Fabra, Barcelona)

**Secretaria:** Onintza Sagredo Ezquioga (Universidad Complutense de Madrid)

**Tesorera:** Nadine Jagerovic (Instituto de Química Médica-CSIC, Madrid)

### **Vocales:**

Nagore Puente Bustinza (Universidad del País Vasco UPV/EHU, Bizkaia)

Julián Romero Paredes (Universidad Francisco de Vitoria, Madrid)

Leyre Urigüen Echeverria (Universidad del País Vasco UPV/EHU, Bizkaia)

Patricia Rivera González (IBIMA-Hospital Universitario Regional de Málaga)

Gunter van der Walt (Universidad Autónoma de Barcelona)

---

Sociedad Española de Investigación sobre Cannabinoides

Departamento de Bioquímica y Biología Molecular

Facultad de Medicina

Universidad Complutense de Madrid

28040 Madrid (España)

---

## PATROCINADORES ESTRATÉGICOS

PHYTOPLANT RESEARCH

FUNDACIÓN CANNA



PHYTOPLANT  
RESEARCH



## PATROCINADORES

AYUNTAMIENTO DE CÓRDOBA

UNIVERSIDAD DE CÓRDOBA

FISHER SCIENTIFIC

GILSON



AYUNTAMIENTO  
DE CÓRDOBA



UNIVERSIDAD  
DE  
CÓRDOBA



part of Thermo Fisher Scientific



## PROGRAMA CIENTÍFICO

Jueves, 28 de noviembre

- 11:00-12:30**      **Registro, entrega de documentación**
- 12:30-12:45**      **Inauguración**  
- Cristina Sánchez García (Presidenta de la SEIC).  
- Verónica Sánchez de Medina Baena (Comité Organizador)
- 12:45-14:00**      **Conferencia inaugural: EFECTO ANTITUMORAL DE LOS CANNABINOIDES: PASADO, PRESENTE... ¿Y FUTURO?**  
**Manuel Guzmán**  
Catedrático de Bioquímica y Biología Molecular, Universidad Complutense de Madrid  
**Premio Mechoulam Award de la ICRS 2024**  
Presentado por Javier Fernández Ruiz
- 14:00**              **Comida**
- 15:30-16:30**      **1ª Sesión de comunicaciones orales: Fisiopatología del sistema nervioso (I)**  
Moderada por Ana Bernal
- 15:30-15:45      **O1.1**  
ANALYSIS OF ENDOCANNABINOID DYNAMICS IN ASTROCYTES  
Eraso-Pichot A., Baraibar A., Olivera-Pinto A., Dalla-Tor T., Garavaldi T., Gomez-Sotres P., Bellocchio L., Kedziora M., Fernández-Moncada I., Serrat R., Mattias I., Li Y., Zimmer A., Mato S. and Marsicano G.
- 15:45-16:00      **O1.2**  
EFFECTS OF PKC-GAMMA ISOFORM DELETION IN CB1R EXPRESSION, SIGNALLING AND FUNCTION IN MICE  
Galera-López L., Gomis-González M., Bengoetxea de Tena I., Moreno E., Martinez-Gardeazabal J., Romero-Pérez R., Pastor A., Busquets-Garcia A., de la Torre R., Maldonado R., Casadó V., Rodríguez-Puertas R. and Ozaita A.
- 16:00-16:15      **O1.3**  
COGNITIVE PERFORMANCE AND SEX-DEPENDENT SYNAPTIC TRANSCRIPTOMIC MODULATION OF SUB-CHRONIC PERIPHERAL CB1R INHIBITION  
Bergadà-Martínez A., de los Reyes-Ramírez L., Martínez-Torres S., Ciaran-Alfano L., Maldonado R., Ozaita A.
- 16:15-16:30      **O1.4**  
NR2A AND NR2B IMPACT OVER THE CB1R NEUROPROTECTIVE EFFECTS IN ALZHEIMER'S DISEASE  
Biel Rebassa J., Raïch I., Capó T., Lillo J., Reyes-Resina I., Franco R., Navarro G.

<b>16:30-18:00</b>	<b>Café y 1ª sesión de pósteres</b>
<b>18:00-19:00</b>	<b>2ª Sesión de comunicaciones orales: Fisiopatología del sistema nervioso (II)</b> Moderada por Jon Egaña
18:00-18:15	<b>O2.1</b> CB1 CANNABINOID RECEPTOR SIGNALING CONSEQUENCES ON CORTICAL LAMINATION ALTERATIONS ASSOCIATED TO SATB2-ASSOCIATED SYNDROME Gavaldà-Vives T., Simón-Sánchez S., Laura Torres-Román A., Guzmán M., Aguado T. and Galve-Roperh I.
18:15-18:30	<b>O2.2</b> SEROTONERGIC MECHANISM IS INVOLVED IN THE PROCOGNITIVE EFFECT OF CB1R PERIPHERAL INHIBITION IN A MOUSE MODEL OF FRAGILE X SYNDROME <u>de los Reyes-Ramírez L.</u> , Bergadà-Martínez A., Martínez-Torres S., Galera-López L., Fontanet-Bosque C., Renner-Rodríguez A., Martínez-Gallego I., Losada-Ruiz P., Arboleya S., Gueimonde M., Maldonado R., Rodríguez-Moreno A. and Ozaita A.
18:30-18:45	<b>O2.3</b> FROM SENSORY PRECONDITIONING TO REALITY TESTING: A NEW BEHAVIORAL PROTOCOL TO STUDY DELTA-9-TETRAHYDROCANNABINOL PSYCHOTIC-LIKE STATES IN MICE <u>Manzanares-Sierra I.</u> , Pinho J. and Busquets-García A.
18:45-19:00	<b>O2.4</b> ENDOCANNABINOIDS AS POTENTIAL BIOMARKERS OF SCHIZOPHRENIA: PRELIMINARY STUDY IN NEURAL CELLS DERIVED FROM THE OLFATORY NEUROEPITHELIUM OF PATIENTS <u>Unzueta-Larrinaga P.</u> , Villate A., Olabarrieta E., Usobiaga A., Etxebarria N., Callado L.F., Laprairie R. and Urigüen L.

## Viernes, 29 de noviembre

<b>9:30-10:45</b>	<b>3ª Sesión de comunicaciones orales: comportamiento y adicción (I)</b> Moderada por Arnau Busquets
9:30-9:45	<b>O3.1</b> RETINAL CB1 RECEPTORS ARE ESSENTIAL FOR VISUALLY-EVOKED DEFENSIVE BEHAVIOURS <u>Beriain S.</u> *, Rodrigues R.S. *, Eraso-Pichot A., Bellocchio L., Vecino E. and Marsicano G.
9:45-10:00	<b>O3.2</b> INTERACTION OF CANNABINOID AND DOPAMINERGIC SIGNALLING IN INCIDENTAL LEARNING <u>Fundazuri U.B.</u> , Barrera-Conde M., González-Portilla M., Hardt L., Trifilieff P., Pinho J., Busquets-Garcia A., Ferreira G. and Marsicano G.

- 10:00-10:15      **03.3**  
 PHARMACOKINETICS AND ORAL BIOAVAILABILITY OF CANNABIGEROL AND CANNABIGEROL GLUCURONIDE IN HORSES AFTER INTRAVENOUS AND ORAL ADMINISTRATION OF CANNABIGEROL WITH OIL AND MICELLAR FORMULATIONS  
Serrano-Rodríguez J.M., Sánchez de Medina A., Miraz R., Díez de Castro E., García-Valverde M.T., Saitua A., Argüelles D., Muñoz A., Ferreiro-Vera C. and Sánchez de Medina V.
- 10:15-10:30      **03.4**  
 CB1R UBIQUITINATION: A NEW MOLECULAR MECHANISM OF CANNABINOID TOLERANCE  
Álvaro-Blázquez A., Costas-Insua C., Montero-Fernández C., Hermoso-López A., Peña-Vega P., Rodríguez-Crespo I. and Guzmán M.
- 10:30-10:45      **03.5**  
 EMOTIONAL CONTROL OF EATING BEHAVIOR BY CB1 RECEPTORS IN HYPOTHALAMIC POMC NEURONS  
Miralpeix C.\*, Eraso-Pichot A.\*, Sadallah M., Jouque V., Skupio U., Simon V., Zizzari P., James S., Quarta C., Marsicano G. and Cota D.
- 10:45-12:00**      **Café y 2ª sesión de pósteres**
- 12:00-13:00**      **4ª Sesión de comunicaciones orales: comportamiento y adicción (II)**  
 Moderada por Alejandro Higuera Matas
- 12:00-12:15      **04.1**  
 TARGETING THE ENDOCANNABINOID SYSTEM IN BINGE EATING DISORDER: EFFICACY OF OLEOYLETHANOLAMIDE DERIVATIVES IN A PRECLINICAL MODEL  
de Ceglia M., Botticelli L., Micioni Di Bonaventura E., Vargas Fuentes A., Micioni Di Bonaventura M.V., Cifani C. and Rodriguez de Fonseca F.
- 12:15-12:30      **04.2**  
 LONG-TERM EFFECTS OF THC:CBD VAPORISATION DURING ADOLESCENCE ON EXCESSIVE DRINKING BEHAVIOURS AT ADULTHOOD IN MALE AND FEMALE RATS  
Acosta-Vargas J.S., Luján-Rodríguez V., de las Heras-Martínez N., Garrido-Matilla Lu., Roca-Outeiro M., Puig-Martínez N., Sanz-Martos A.B., Ucha M. and Higuera-Matas A.
- 12:30-12:45      **04.3**  
 STUDY OF THE ALTERATIONS AT THE BEHAVIORAL AND NEURAL CONNECTIVITY LEVEL LINKED TO EARLY CANNABIS EXPOSURE AND VULNERABILITY TO ADDICTION IN MICE  
del Villar Prieto R., Martín García E. and Maldonado R.
- 12:45-13:00      **04.4**  
 ADOLESCENT EXPOSURE TO THE SPICE/K2 CANNABINOID ABFUBINACA IN FEMALE MICE INDUCES PREPULSE INHIBITION AND STRUCTURAL PLASTICITY ALTERATIONS IN ADULTHOOD

Izquierdo-Luengo C., Ponce-Renilla M., Ten-Blanco M., Tolón R.M, Arnanz M.A., Pereda-Pérez I. and Berrendero F.

**13:00-14:00**      **Hot Topic: *CANNABIS MEDICINAL EN ESPAÑA: ¿CÓMO HEMOS LLEGADO HASTA AQUÍ? PERSPECTIVAS DESDE EL PUNTO DE VISTA DEL PACIENTE***

**Carola Pérez**

Presidenta del Observatorio Español de Cannabis Medicinal y fundadora de la asociación de usuarios terapéuticos Dosemociones

Presentado por Carlos Ferreiro Vera

**14:00**            **Comida**

**15:30-16:30**      **5ª Sesión de comunicaciones orales: Cannabinoides y cáncer.**  
Moderada por María Salazar

15:30-15:45      **05.1**  
THERAPEUTIC POTENTIAL OF HER2-CB2R HETEROMERS IN HER2-POSTIVE BREAST CANCER  
Seijo-Vila M., Tundidor I., Rubert M., Balsinde S.A., Blasco-Benito S., Martínez-Illescas N.G., Manso L., Pérez-Gómez E. and Sánchez C.

15:45-16:00      **05.2**  
MODULATION OF CANNABINOID RECEPTOR 2 IN THE BREAST TUMOR MICROENVIRONMENT: ROLE IN TUMOR PROGRESSION  
Rubert M., Seijo-Vila M., Tundidor I., Blasco-Benito S., Hillard C.J., Grande M.T., Romero J., Sánchez C., Pérez-Gómez E.

16:00-16:15      **05.3**  
APPROACHING PHARMACOLOGICAL MODULATION OF THE ENDOCANNABINOID SYSTEM AS A COMBINATORIAL TUMOUR DIFFERENTIATION THERAPY  
Martínez-Illescas N.G., Pérez G., Gijón P., Quezada C., Pinto M., Pérez G., Luque M. and Salazar-Roa M.

**16:15-16:45**      **Presentación del Máster Universitario en Investigación sobre Cannabis Medicinal, Universidad Complutense de Madrid**  
Javier Fernández Ruiz  
Catedrático de Bioquímica y Biología Molecular, Universidad Complutense de Madrid

**16:45-18:00**      **Café, 3ª sesión de pósteres**

**18:00-19:00**      **Asamblea Ordinaria de socios/as de la SEIC**

**21:00**            **Cena Congreso en las Caballerizas Reales de Córdoba**



- 10:00-10:45**      **6ª Sesión de comunicaciones orales: Síndrome metabólico**  
Moderada por Juan Suárez
- 10:00-10:15      **O6.1**  
CANNABIDIOL NANOSYSTEMS AS A POTENTIAL THERAPY FOR METABOLIC SYNDROME  
El-Hammadi M., Martín-Navarro L., Berrocoso E., Álvarez-Fuentes J., Crespo-Facorro B., Suárez-Pereira I., Vázquez-Bourgon J., Martín-Banderas L.
- 10:15-10:30      **O6.2**  
CANNABIDIOL INDUCES APOPTOSIS OF HEPATIC STELLATE CELLS AND ALLEVIATES LIVER INFLAMMATION AND FIBROSIS IN A MURINE MODEL OF ANDROGENIC OBESITY  
Ponce-Díaz F.J., Ruiz-Pino F., Garrido-Rodríguez M., Cerero L., Prados-Osuna M.E., Tena-Sempere M. and Muñoz E.
- 10:30-10:45      **O6.3**  
EFFECTS OF CANNABIS OIL ON HEPATIC STEATOSIS, INFLAMMATION, AND FIBROSIS THROUGH ENDOCANNABINOID REGULATION IN NASH MODEL  
Degrave V., Caltana L., Ingaramo P., Sedan D., Andrinolo D., D'Alessandro M.E and Oliva M.E
- 10:45-11:00**      **Premio a la mejor publicación predoctoral 2024**  
THE ROLE OF PPAR- $\gamma$  IN MEMORY DEFICITS INDUCED BY PRENATAL AND LACTATION ALCOHOL EXPOSURE IN MICE  
García-Baos A., Pastor A., Gallego-Landin I., de la Torre R., Sanz F. and Valverde O.  
  
Presentado por Leyre Urigüen
- 11:00-11:15**      **Premio a la mejor publicación postdoctoral 2024**  
HYDROXYTYROSOL LINOLEOYL ETHER AMELIORATES METABOLIC-ASSOCIATED FATTY LIVER DISEASE SYMPTOMS IN OBESE ZUCKER RATS  
Tovar R.#, de Ceglia M.#, Rodríguez-Pozo M., Vargas A., Gavito A., J. Suárez, A. Boronat, de la Torre R., Rodríguez de Fonseca F., Baixeras E., Decara J.  
  
Presentado por Nagore Puente
- 11:15-12:30**      **Café**
- 12:30-13:00**      **Entrega de premios y clausura**

## SESIÓN DE PÓSTERES I

**P1.1** THE EXPRESSION AND FUNCTIONALITY OF CB1R-NMDAR COMPLEXES ARE DECREASED IN A PARKINSON'S DISEASE MODEL

Reyes-Resina I., Lillo J., Raïch I., Rebassa JB, Navarro G

**P1.2** DESIGN OF SMALL NON-PEPTIDIC LIGANDS THAT ALTER HETEROMERIZATION BETWEEN CANNABINOID CB1 AND SEROTONIN 5HT2A RECEPTORS

Ciruela-Jardí M., Matsoukas M.T., Gallo M., Ferré S., Andreu D., Casadó V., Pardo L., Moreno E.

**P1.3** CB1R ACTIVATION DECREASE NMDA INDUCED NEUROTOXICITY IN APPSW/IND MICE MODEL OF AD

Navarro Brugal G., Raïch I., Rebass J.B., Lillo J., Pérez-Olives C., Capó T., Reyes-Resina I., Franco R.

**P1.4** DESCRIBING A NEW TARGET FOR CBD: COULD IT BE YET ANOTHER CULPRIT BEHIND THE ANTI-INFLAMMATORY EFFECTS OF THE PHYTOCANNABINOID?

Raïch I., Quintana-Garcia A., Lillo J., Llinas del Torrent C., Ferreiro-Vera C., Sánchez de Medina V., Casajuana-Martin N., Franco R., Pardo L. and Navarro G.

**P1.5** THE ROLE OF HABENULAR CIRCUITS IN THE PATHOPHYSIOLOGY OF EMOTIONS

Sangroniz-Beltrán L., Ceprián M., Egaña-Huguet J., Fedorov D., Landgraf N., Reyes P., Ducourneau E., Ramos-Miguel A., Piriz J., Grandes P., Marsicano G., Ferreira G., Mato S. and Soria-Gómez E.

**P1.6** GPR55 DEFICIENT MICE ARE MORE RESISTANT TO THE INDUCTION OF EXPERIMENTAL PARKINSON'S DISEASE

Rodríguez-Carreiro S., Pardo S., Gheyszens E., Navarro E. and Fernández-Ruiz J.

**P1.7** NEUROPROTECTIVE POTENTIAL OF TARGETING CB1 AND GPR55 RECEPTORS IN AN IN VITRO MODEL OF MULTIPLE SCLEROSIS

Menéndez-Pérez C., Calatayud-Moran J.M., Navarro A., Franco R., Martínez-Pinilla E.

**P1.8** EFFECT OF PHYTOHORMONES EXOGENOUS APPLICATION ON THE DEVELOPMENT AND PRODUCTION OF 'BEATRIZ' CULTIVAR

Expósito-Díaz A., Ferreiro-Vera C., García Valverde M.T., Martínez Quesada J.J.

**P1.9** OPTIMIZING THE CANNABINOID EXTRACTION AND PURIFICATION PROCESS THROUGH MACHINE LEARNING TECHNIQUES

Trasierras Fresco A.M., Velasco Tejero C., Ferreiro- Vera C., Ventura S., Luna J.M., Sánchez de Medina V., Hidalgo García J.

**P10.** INTRA-CANOPY LIGHTING BOOSTS AND STANDARDIZES MEDICAL CANNABIS PRODUCTION (CANNABIS SATIVA L.)

Garrido J., Corral C., García-Valverde M.T., Ferreiro-Vera C. and Martínez-Quesada J. J.

**P11.** SEXUAL DIMORPHISM OF PREFRONTAL CB1 RECEPTORS ON EMOTIONAL AND COGNITIVE PROCESSES

Ceprián M., Egaña-Huguet J., Godoy L., Sangroniz-Beltrán L., Aranguren-Alberdi A., Aguirrebengoa O., Reyes P., Torres-Maldonado P., Grandes P., Soria-Gómez E.

**P2.1** HORMONAL FINGERPRINT AND ESTROGEN RECEPTORS IN FEMALE MICE OFFSPRING AFTER MATERNAL IMMUNE ACTIVATION AND CANNABIS EXPOSURE

Olabarrieta E., Unzueta-Larrinaga P., Callado L.F. and Urigüen L.

**P2.2** IN VIVO IMAGING OF CB1-DEPENDENT MODULATION OF BRAIN METABOLISM

Dalla-Tor T., Gómez-Sotres P., Bellocchio L, Rodrigues R., Garavaldi T., Delcasso S., Gisquet D., Cannich A., Drago F., Fernández-Moncada I., Marsicano G.

**P2.3** CANNABINOID CB1 RECEPTORS MODULATE OLIGODENDROCYTE MATURATION DURING REMYELINATION

Sánchez de la Torre A.#, Ezquerro S.#, Arroyo-Gascón E., Díaz-Citai R., Monory K., Lutz B., Guzmán M., Aguado T. and Palazuelos J.

**P2.4** EFFECTS OF CANNABIDIOL ACROSS DIFFERENT PHASES OF COCAINE SELF-ADMINISTRATION IN A MALE AND FEMALE MOUSE MODEL

Tiç, I. Llach-Folcrà M., Llerena V., Medrano M., Valverde O.

**P2.5** TARGETING PPAR-GAMMA AS A MODULATOR OF COCAINE-SEEKING BEHAVIOUR IN MALE AND FEMALE MICE

Llerena V., Medrano M., Valverde O.

**P2.6** CANNABINOIDS FACILITATION OF INCIDENTAL ASSOCIATIONS: PSYCHOTIC-LIKE SYMPTOMS AND ENDOCANNABINOID SIGNALLING

Barrera-Conde M., Rampini E., Fundazuri U.B., Gómez-Sotres P., Ferreira G., Marsicano G.

**P2.7** A2AR ANTAGONISTS POTENTIATE CB2R ANTI-INFLAMMATORY EFFECTS IN ISCHEMIC HYPOXIA

Raïcha I., Capó T., Lilloa J., Biel Rebassa J., Martínez Orgado J., Reyes-Resina I. and Navarroa G.

**P2.8** IMPACT OF PERINATAL ALCOHOL EXPOSURE ON ENDOCANNABINOIDS IN THE LIMBIC SYSTEM AND EMOTIONAL PROCESSING

Frontera J.L. and Valverde O.

**P2.9** EFFECTS OF CANNABIDIO ON AMELIORATING AFFECTIVE-LIKE BEHAVIOR IN MICE EXPOSED TO PERIPARTUM DEPRESSION MODEL

Llach-Folcrà M., Bis-Humbert C., Valverde O.

**P2.10** CANNABIDIOL BEHAVES AS AN ALLOSTERIC MODULATOR OF THE ADENOSINE RECEPTORS

LilloJ., Raïch I., Ferreira-Vera C, Sánchez de Medina V, Navarro G, Franco R

**P2.11** CANNABINOIDS MODULATE STRIATAL NEURONAL SIGNALING THROUGH AT1-CB1 HETEROMERS INTERACTIONS

Rivas-Santisteban R., Muñoz A., Lillo J., Raïch I., I.Rodríguez-Pérez A., Navarro G., L. Labandeira-García J., Franco R.

## SESIÓN DE PÓSTERES III

**P3.1** CAN WE IMPLEMENT VIRTUAL CONTROL GROUPS TO ENHANCE ETHICAL AND EFFICIENT CANNABINOID RESEARCH?

Orihuel J., Ramírez-Anguita JM., Sanz F., Valverde O.

**P3.2** DECODING CANNABINOID RECEPTOR FUNCTION IN THE INSULAR CORTEX: A KEY TO UNDERSTANDING NEUROPSYCHIATRIC DISORDERS

Mut-Arbona P., Horta G., Bellocchio L., Eraso-Pichot A., Wei J., Marsicanno G., Schmeißer M., Ruiz de Azúa I., Lutz B., Maldonado R. and Martín-García E.

**P3.3** CANNABIDIOL ADMINISTRATION DURING PREGNANCY AND LACTATION MODULATES THE SUPPRESSIVE EFFECT OF MATERNAL ALCOHOL EXPOSURE ON CELL PROLIFERATION AND SURVIVAL IN THE HIPPOCAMPUS OF OFFSPRING

Rodríguez-Pozo M., Rubio-Rodríguez P., Rodríguez de Fonseca F., Suárez J., Rivera P.

**P3.4** REPEATED RESTRAINT STRESS IN ADOLESCENTS COUNTERACTS MEMORY DEFICITS ASSOCIATED WITH ALCOHOL EXPOSURE DURING ADOLESCENCE IN RATS BY TARGETING THE HIPPOCAMPAL ENDOCANNABINOID AND GLUTAMATERGIC SYSTEMS

Sánchez-Marín L., Verheul J., López Y., Pavón-Moró F.J., Suárez J., Serrano A. and Rodríguez de Fonseca F.

**P3.5** OLHHA, A DUAL PPAR- $\alpha$ /CB1 LIGAND, REDUCES HEPATOTOXIC DAMAGE PRODUCED BY PARACETAMOL OVERDOSE IN A PRECLINICAL MICE MODEL

Gavito A.L., Rodríguez-Pozo M., Vargas A., Rodríguez de Fonseca F. and Decara J.

**P3.6** HIPPOCAMPAL ASTROCYTES: A NEW PLAYER IN ALZHEIMER DISEASE?

Ramon-Duaso C., Pinho J. and Busquets-García A.

**P3.7** INTRAVENTRICULAR TETRAHIDROCANNABINOL AND GERMINATIVE REGIONS IN HEMIPARKINSONIAN RATS

Fernández Espejo E.

**P3.8** PYRIMIDINE-2-ONE DERIVATIVES: A NOVEL FAMILY OF POSITIVE ALLOSTERIC MODULATORS OF THE CANNABINOID 2 RECEPTOR

Andújar-Arias A., Azuaje J., García-Mera X., Brea J., Loza M.I., Navarro G. and Sotelo E.

**P3.9** REDUCED HIPPOCAMPAL CB1R EXPRESSION IN GABAERGIC NEURONS DRIVES SYNAPTIC AND COGNITIVE DYSFUNCTION IN HUNTINGTON'S DISEASE

Di Franco N., Bengoetxea de Tena I., Sánchez Rui A., Enfedaque F., Rodríguez-Puertas R., Guzmán M., Perea Parrilla G., Ginés S.