

**9ª Reunión Anual**  
**Sociedad Española de Investigación sobre**  
**Cannabinoides**  
**Córdoba, 27 a 29 de noviembre de 2008**

**Programa científico de la reunión**

**Día 27 de noviembre**

- 11:00-12:30**      **Entrega de documentación**
- 12:30**              **Inauguración**
- Representante de Junta de Andalucía
  - Representante de Universidad de Córdoba
  - Eduardo Muñoz (Comité Organizador)
  - Javier Fernández-Ruiz (Presidente de la SEIC)
- 13:00-14:00**      **Conferencia Inaugural** (presentada por Eduardo Muñoz)  
José Antonio Ramos (Universidad Complutense de Madrid):  
"Posible participación del sistema endocannabinoide en los  
desórdenes psiquiátricos"
- 14:00**              **Comida**
- 16:00-17:00**      **Conferencia invitada** (presentada por Javier Fernández-  
Ruiz)  
Daniela Parolaro (Universidad de Insubria, Italia): "Cannabis  
(cannabinoids) and schizophrenia: risk factor, novel therapy,  
or both?"
- 17:00**              **Presentación del libro** "Aspectos psiquiátricos del consumo  
de cannabis: Casos clínicos" (José Antonio Ramos)
- 17:30**              **Café y conferencia de prensa**
- 18:00-19:00**      **Mesa Redonda** (moderadores: José Antonio Ramos y Emilio  
Fernández-Espejo)
- Luís Núñez (Centro Médico, Pamplona): "Cannabis y  
trastornos afectivos"
  - Francisco Arias (Unidad de Psiquiatría, Hospital de  
Alcorcón, Madrid): "Relación entre psicosis y cannabis"
  - Juan Ramírez (Servicio Provincial de Drogodependencias y  
Adicciones de Huelva): "Aspectos psiquiátricos del  
consumo de cannabis"

- 19:00-19:30 Comunicaciones orales**
- Lucía Fernández (Hospital Universitario Vall d'Hebrón, Barcelona): "Revisión de consumidores de cannabis como droga secundaria en pacientes diagnosticados de TUS y en tratamiento ambulatorio"
  - José Luís Rubio (Área de Psiquiatría, Complejo Hospitalario de Jaén): "Fewer neurological soft signs among first episode psychosis patients with heavy cannabis use"
- 19:30-19:45 Discusión general**
- 20:30 Recepción del Ayuntamiento de Córdoba en el Alcázar de los Reyes Cristianos**

## Día 28 de noviembre

- 09:00-10:15 1ª Sesión de comunicaciones orales: "SEÑALIZACIÓN CANNABINOIDE EN EL SISTEMA NERVIOSO CENTRAL"** (moderadores: Susana Mato y Eva de Lago)
- 09:00 PRESENTACIÓN (Susana Mato)
- 09:15 O-1.1  
ANATOMICAL DISTRIBUTION OF TYPE 1 CANNABINOID RECEPTORS AND TYPE 2 DOPAMINE RECEPTORS IN LAYER 5 OF THE MOUSE PREFRONTAL CORTEX. Nagore Puente, L. Reguero, I. Elezgarai, C.Q. Chiu, P.E. Castillo, P. Grandes
- 09:30 O-1.2  
THE POSTSYNAPTIC MODULATION OF THE TRANSLATIONAL MACHINERY BY CANNABINOIDS DEPENDS ON mTOR ACTIVITY IN THE BRAIN. Emma Puighermanal, R. Maldonado, A. Ozaita
- 09:45 O-1.3  
HINT1-RGSZ MODULE ACT AS AN ESSENTIAL MEDIATOR OF NEURAL TYPE 1 OF CANNABINOID RECEPTOR (CB1R) DESENSITIZATION. Pilar Sánchez-Blázquez, M. Rodríguez-Muñoz, E. de la Torre-Madrid, A. Vicente-Sánchez, J. Garzón
- 10:00 O-1.4  
IN VIVO MICROSCOPY: A NEW TOOL FOR THE STUDY OF THE ENDOCANNABINOID SYSTEM. Julián Romero, África Millán, José Martínez Orgado, Rosa M. Tolón
- 10:15-10:45 Presentación del premio a la mejor publicación 2008**
- 10:45-12:30 Café y sesión de pósteres**
- 12:30-14:00 2ª Sesión de comunicaciones orales: "CANNABINOIDES EN SISTEMAS PERIFÉRICOS"** (moderadores: M<sup>a</sup> Isabel Martín y Ekaitz Agirregoitia)

12:30	PRESENTACIÓN (M <sup>a</sup> Isabel Martín)
12:45	O-2.1 CANNABINOID MODULATION OF ENDOCRINE HORMONE SECRETION IN PANCREATIC ISLETS FROM C57/BL6 MICE: A NEW MODEL TO STUDY CANNABINOID RECEPTOR SIGNALLING IN THE PANCREAS. <u>Blanca Rubí</u> , R. Maldonado
13:00	O-2.2 CHRONIC CANNABINOID MAY WORSEN ANOREXIA, WEIGHT LOSS AND GASTRIC EMPTYING DELAY INDUCED BY LONG-TERM CISPLATIN IN THE RAT. <u>Pablo Cabezos</u> , G. Vera, M. Castillo, M.I. Martín, R. Fernández-Pujol, R. Abalo
13:15	O-2.3 EXPRESSION OF THE ENDOCANNABINOID SYSTEM IN HUMAN COLONIC TISSUE: A POSSIBLE REGULATORY ROLE IN THE INFLAMMATION OF ULCERATIVE COLITIS. <u>Juan Suárez</u> , L. Márquez, M. Iglesias, F. Bermúdez-Silva, F. Rodríguez, M. Andreu
13:30	O-2.4 PILOT CLINICAL TRIAL TO EVALUATE PRELIMINARY EFFICACY AND TOLERABILITY OF A CANNABIS MEDICINAL EXTRACT ADDED TO STANDARD TREATMENT IN PATIENTS WITH DELAYED NAUSEA AND EMESIS INDUCED BY MODERATELY EMETOGENIC CANCER CHEMOTHERAPY. <u>Marta Durán</u> , Eulalia Pérez, Sergio Abanades, Rafael de la Torre, Javier Vidal, Cristina Saura, Margarita Majem, Edurne Arriola, Neus Rams, Dolors Capellà
13:45	O-2.5 EXPRESSION AND LOCALIZATION OF CB1 AND CB2 CANNABINOID RECEPTORS IN HUMAN OOCYTES. <u>Laura Peralta</u> , Ekaitz Agirregoitia, Rosario Mendoza, Antonia Expósito, Roberto Matrorras, Naiara Agirregoitia
<b>14:00</b>	<b>Comida</b>
<b>16:00-18:00</b>	<b>3<sup>a</sup> Sesión de comunicaciones orales: "CANNABINOIDES Y NEUROINFLAMACIÓN/NEUROPROTECCIÓN" (Parte I)</b> (moderadores: Onintza Sagredo y José Luís Muñoz Madrigal)
16:00	PRESENTACIÓN (Onintza Sagredo)
16:15	O-3.1 REGULATION OF THE ENDOCANNABINOID SYSTEM IN A VIRUS MODEL OF MULTIPLE SCLEROSIS REVEALS A THERAPEUTIC EFFECT OF PALMITOYLETHANOLAMIDE. <u>Frida Loría</u> , E. Petrosino, L. Mestre, A. Spagnolo, F. Correa, M. Hernangómez, V. DiMarzo, C. Guaza, F. Docagne
16:30	O-3.2 ENDOGENOUS AND SYNTHETIC N-ACYL-DOPAMINES INDUCE COX-2 EXPRESSION IN BRAIN ENDOTHELIAL CELLS BY STABILIZING mRNA THROUGH A p38-DEPENDENT PATHWAY. <u>Carmen Navarrete</u> , M. A. Calzado, F. J. Caballero, A. García de Vinuesa, J. A. Collado, E. Muñoz
16:45	O-3.3

- MECHANISMS OF VCAM-1 REGULATION BY CANNABINOIDS IN INFLAMMATION CONDITIONS. Leyre Mestre, F. Correa, A. Spagnolo, F. Loría, M. Hernangómez, M. Mecha, P. Iñigo, C. Guaza
- 17:00 O-3.4  
INTERFERON- $\gamma$  IS A CRITICAL MODULATOR OF CB2 CANNABINOID RECEPTOR SIGNALING DURING NEUROPATHIC PAIN. Xavier Nadal, I. Racz, J. Alferink, J. E. Baños, J. Rehnelt, M. Martín, B. Pintado, A. Gutiérrez-Adan, E. Sanguino, N. Bellora, J. Manzanares, A. Zimmer, R. Maldonado
- 17:15 O-3.5  
CANNABINOID AGONISTS REDUCE GLIAL ACTIVATION MARKERS AND NORMALIZE BEHAVIOUR IN ALZHEIMER'S DISEASE MODELS. Ana M<sup>a</sup> Martín-Moreno, Raphael Mechoulam, María L. de Ceballos
- 17:30 O-3.6  
THE INHIBITION OF 2-ARACHIDONOYL-GLYCEROL BIOSYNTHESIS IS ASSOCIATED WITH PARADOXICAL EFFECTS IN RATS LESIONED WITH MALONATE, A MODEL OF HUNTINGTON'S DISEASE. María Ruth Pazos, Onintza Sagredo, Stefania Petrosino, Davide Castelluccio, José A. Ramos, Vincenzo Di Marzo, Javier Fernández-Ruiz
- 17:45 O-3.7  
CB<sub>2</sub> CANNABINOID RECEPTORS ATTENUATE STRIATAL EXCITOTOXICITY IN HUNTINGTON'S DISEASE. Javier Palazuelos, Tania Aguado, Onintza Sagredo, Boris Julien, Ruth Pazos, Carolina Carrasco, Eva Resel, Iñigo Azcoitia, Javier Fernández Ruiz, Manuel Guzmán, Ismael Galve-Roperh
- 18:00-18:30** **Café**
- 18:30-19:30** **3<sup>a</sup> Sesión de comunicaciones orales: "CANNABINOIDES Y NEUROINFLAMACIÓN/NEUROPROTECCIÓN" (Parte II)**
- 18:30 O-3.8  
THC + CANNABIDIOL DOES NOT IMPROVE CEREBRAL AND EXTRACEREBRAL BENEFITS OF CANNABIDIOL ALONE IN A PIGLET MODEL OF NEWBORN HYPOXIC-ISCHAEMIC ENCEPHALOPATHY. José A. Martínez-Orgado, F. J. Álvarez, H. Lafuente, M. C. Rey-Santano, V. E. Mielgo, E. Gastiasoro, M. Rueda, A. Castillo, E. Hilario, R. G. Pertwee, J. Romero
- 18:45 O-3.9  
STUDY OF IN VITRO PROTECTIVE EFFECTS OF DELTA-9-TETRAHYDROCANNABINOL, AND CANNABINOID ANALOGUES ON DOPAMINERGIC SUBSTANTIA NIGRA NEURONS AND NORADRENERGIC EXTRA-ADRENAL CHROMAFFIN CELLS. Emilio Fernández-Espejo, R. Moreno-Paublete, R. Gonzalez-Aparicio, A. del Marco
- 19:00 O-3.10

- 19:15 THC PREVENTS MDMA-INDUCED NEUROTOXICITY. Clara Touriño, Andeas Zimmer, Olga Valverde  
O-3.11  
FOLLOW UP OF PATIENTS WITH NEUROPATHIC PAIN, SPASTICITY SECONDARY TO MULTIPLE SCLEROSIS OR WASTING SYNDROME TREATED WITH A WHOLE PLANT CANNABIS EXTRACT: FINAL RESULTS OF THE SEGUIVEX STUDY. Marta Durán, Elena Ballarin, Eulalia Pérez, Lourdes Vendrell, Ramón Puig, Carme Capdevila, Rafael Borràs, Neus Rams, Manel Rabanal, Rafael Manzanera , Dolors Capellà, SEGUIVEX study group

**19:30-20:30 Asamblea de la SEIC**

**Día 29 de noviembre**

**09:00-10:15 4ª Sesión de comunicaciones orales: "CANNABINOIDES Y CÁNCER"** (moderadores: Guillermo Velasco y Marco Antonio Calzado)

- 09:00 PRESENTACIÓN (Guillermo Velasco)  
09:15 O-4.1  
INHIBITION OF CELL GROWTH IN THE HEPATOCARCINOMA CELL LINES HEPG2 AND HUH-7 CELLS. STUDY OF THE SIGNALLING MECHANISMS INVOLVED. Diana Vara, María Salazar, Sophie Malagarie-Cazenave, Nuria Olea-Herrero, Guillermo Velasco, Inés Díaz-Laviada
- 09:30 O-4.2  
IDENTIFICATION OF MIDKINE AS A PIVOTAL FACTOR FOR THE RESISTANCE OF GLIOMA CELLS TO CANNABINOID-INDUCED APOPTOSIS. Mar Lorente, Sofía Torres, Arkaitz Carracedo, Sonia Hernández, Fátima Rodríguez, Manuel Guzmán, Guillermo Velasco
- 09:45 O-4.3  
AM404 INHIBITS MIGRATION AND INVASITIVITY OF NEUROBLASTOMA CELLS BY TARGETING NFAT-DEPENDENT EXPRESSION OF COX-2. Francisco Javier Caballero, C. Navarrete, M. A. Calzado, B. L. Fiebich, Juan A. Collado, E. Muñoz
- 10:00 O-4.4  
ANTITUMOURAL EFFECT OF CANNABINOIDS IN A GENETIC MODEL OF BREAST CANCER. María M. Caffarel, Clara Andradas, Emilia Mira, Camilla Cerutti, Santos Mañes, Manuel Guzmán, Cristina Sánchez

**10:15-12:00 5ª Sesión de comunicaciones orales: "CANNABINOIDES Y OTRAS DROGAS DE ABUSO"** (moderadores: José Antonio López Moreno y Elsa Valdizán)

- 10:15 PRESENTACIÓN (José Antonio López Moreno)

10:30	O-5.1 DIFFERENTIAL EFFECTS OF MATERNAL DEPRIVATION ON HIPPOCAMPAL CB <sub>1</sub> AND CB <sub>2</sub> CANNABINOID RECEPTORS OF NEONATAL RATS. Juan Suárez, Ricardo Llorente, Francisco J. Bermúdez-Silva, Silvana Y. Romero-Zerbo, Beatriz Mateos, Fernando Rodríguez de Fonseca, <u>María-Paz Viveros</u>
10:45	O-5.2 CHRONIC FLUOXETINE ENHANCES CB1 RECEPTOR-MEDIATED FUNCTIONALITY THROUGH SEROTONIN 5-HT <sub>1A</sub> RECEPTOR-DEPENDENT MECHANISMS. <u>Rebeca Vidal</u> , S. Mato, B. Romero, A. Pazos, E. M. Valdizán
11:00	O-5.3 THE PERSISTENT MEMORY DEFICITS INDUCED BY DELTA9-TETRAHYDROCANNABINOL IN MICE ARE MEDIATED BY mTOR. <u>Arnau Busquets</u> , R. Maldonado, A. Ozaita
11:15	O-5.4 BLOCKADE OF ACCUMBAL CB1 RECEPTORS WITH RIMONABANT IS REWARDING BUT, IN COCAINE-TREATED RATS, PRODUCES AVERSION TO THE DRUG AND BLOCKS EXPRESSION OF SENSITIZATION. <u>Susana Ramiro-Fuentes</u> , R. Gonzalez-Aparicio, R. Moreno-Paublete, R. Moratalla, E. Fernández-Espejo
11:30	O-5.5 CANNABINOID-INDUCED INCREASE IN ALCOHOL RELAPSE IS PREVENTED BY THE BLOCKADE OF THE GLYCINE-BINDING SITE OF NMDA RECEPTORS. <u>Francisco Alén</u> , Ángel Santos, Guillermo Moreno-Sanz, Gustavo González-Cuevas, Elena Giné, Luis Franco-Ruiz, Miguel Navarro, José Antonio López-Moreno
11:45	O-5.6 CANNABINOID CB <sub>1</sub> RECEPTOR PROTEIN EXPRESSION IN POSTMORTEM HUMAN BRAIN OF ALCOHOLIC SUBJECTS. <u>Amaia M. Erdozain</u> , R. Díez-Alarcia, L. Urigüen, J. J. Meana, L. F. Callado
<b>12:00-12:30</b>	<b>Café</b>
<b>12:30</b>	<b>Entrega de premios y clausura</b>

## SESIÓN DE PÓSTERES

### P-1

ROLE OF CB1 AND D2 RECEPTORS IN A MODEL OF ALCOHOL RELAPSE. Francisco Alén, G. Moreno-Sanz, A. I. de Tena, R. D. Brooks, A. López-Jiménez, M. Navarro, J. A. López-Moreno

### P-2

CB<sub>1</sub> RECEPTOR ANTAGONIST EFFECTS ON LIVER-GENE EXPRESSION OF DIET-INDUCED OBESE RATS. Mónica Alonso, A. Palomino, J. Suárez, M. Vida, P. Rivera, A. Serrano, J. Pavón, F. J. Bermúdez-Silva, M. D. López-Ávalos, P. Fernández-Llebrecz, F. Rodríguez de Fonseca

### P-3

CEREBRAL DISTRIBUTION OF ENDOMORPHIN-2 BINDING SITES IN CB1 KNOCKOUT MALE AND FEMALE MICE: AN AUTORADIOGRAPHY STUDY. E. Páldy, A. Higuera-Matas, M. Miguéns, G. Tóth, T. Wenger, A. Borsodi, G. L. Montoya, O. Olías, C. García-Lecumberri, Emilio Ambrosio

### P-4

THE NOVEL CANNABINOID RECEPTOR GPR55 CONTROLS TUMOR CELL PROLIFERATION. Clara Andradás, María M. Caffarel, María Salazar, Mar Lorente, Guillermo Velasco, Manuel Guzmán, Cristina Sánchez

### P-5

THE GENETIC ABLATION OF FAAH MODIFIES THE ASTROCYTIC RESPONSE AGAINST BETA AMYLOID PEPTIDE. Cristina Benito, Ana Isabel Castillo, Lourdes Ruiz-Valdepeñas, Cristina Otalora, Alicia López, Rosa M. Tolón, Julián Romero

### P-6

CHARACTERIZATION OF THE NEUROPROTECTIVE EFFECT OF CANNABIDIOL AFTER OXYGEN AND GLUCOSE DEPRIVATION OF NEWBORN MICE FOREBRAIN SLICES. Ana I. Castillo, L. Ruiz-Valdepeñas, A. López-García, C. Otalora, J. Fernández-Ruiz, R. M. Tolón, J. Romero, J. Martínez-Orgado

### P-7

EFFECT OF WIN 55,212-2 ON ELECTROMYOGRAPHIC AND CARDIOVASCULAR RESPONSES TO MECHANICAL AND CHEMICAL INTRACOLONIC STIMULATION IN THE RAT. Mónica Castillo, V. López-Miranda, P. Cabezos, G. Vera, M. I. Martín, A. García-Peláez, R. Ábalo

### P-8

STUDY OF THE EFFECT OF DIET AND THE CANNABINOID RECEPTOR ANTAGONIST AM251 ON THE EXPRESSION OF GENES INVOLVED IN LIPIDIC AND GLUCIDIC METABOLISM ON SKELETAL MUSCLE OF DIET-INDUCED OBESE RATS. Ana Crespillo, J. Suárez, F. J. Bermúdez-Silva, M. Vida, P. Rivera, A. Palomino, M. Pérez-Martín, P. Fernández-Llebrecz, F. Rodríguez de Fonseca

### P-9

CHRONIC ADMINISTRATION OF DELTA9-TETRAHYDROCANNABINOL AND ITS WITHDRAWAL MODULATE MICROGLIAL ACTIVATION IN THE CENTRAL NERVOUS SYSTEM. Laura Cutando, E. Puighermanal, R. Maldonado, A. Ozaita

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ENDOCANNABINOIDS CONTROL PYRAMIDAL NEURAL PROGENITOR CELL PROLIFERATION AND MIGRATION VIA CB1 RECEPTORS. Tania Aguado, Jan Mulder, Javier Díaz, Carlos J. Ballester Rosado, Laurent Nguyen, Krisztina Monory, Giovanni Marsicano, Francois Guillemot, Ken Mackie, Beat Lutz, Hui-Chen Lu, Tibor Harkany, Manuel Guzmán, Ismael Galve-Roperh

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FOLLOW UP OF PATIENTS WITH NAUSEA AND EMESIS INDUCED BY CANCER CHEMOTHERAPY TREATED WITH A WHOLE PLANT CANNABIS EXTRACT: FINAL RESULTS OF THE SEGUIVEX-EMESI STUDY. Marta Durán, Elena Ballarín, Edurne Arriola, Marta Parera, Nuria Calvo, Montse Muñoz, Joaquim Julià, Manel Rabanal, Rafael Manzanera, Dolors Capellà

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POTENTIAL PROTECTIVE ROLE OF TRPV-1 IN COLON INFLAMMATION AND CARCINOGENESIS. Amaya García de Vinuesa, Carmen Navarrete, Rocío Sancho, Eduardo Muñoz

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CANNABINOIDS AS ANTI-SPASTICITY AGENTS FOR MULTIPLE SCLEROSIS: A QUALITATIVE SYSTEMATIC REVIEW. Carolina Gómez, M. Durán, D. Capellà

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OLEYLETHANOLAMIDE ACTS AS NEUROPROTECTANT IN BOTH 6-OHDA AND MPTP IN VIVO MODELS OF PARKINSONISM. Ramiro González-Aparicio, B. Galán-Rodríguez, F. Rodríguez de Fonseca, E. Fernández-Espejo

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ESTUDIO DE ADHERENCIA AL TRATAMIENTO EN PACIENTES DEPENDIENTES DE CANNABIS. Begoña Gonzalvo, M. Coronado, C. Roncero, C. Barral, L. Sánchez, L. Fernández, M. Casas

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ROLE OF CB1 RECEPTOR IN THE STRUCTURAL PLASTICITY INDUCED BY PALATABLE FOOD IN THE MESOCORTICOLIMBIC CIRCUIT. Thomas Guegan, L. Cutando, A. Martínez, E. Martin, E. Soriano, R. Maldonado, M. Martin

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CRUCIAL ROLE OF CB2 CANNABINOID RECEPTOR IN THE REGULATION OF CENTRAL IMMUNE RESPONSES DURING NEUROPATHIC PAIN. I. Racz, X. Nadal, J. Alferink, J. E. Baños, J. Rehnelt, Miquel Martín, B. Pintado, A. Gutiérrez-Adan, E. Sanguino, J. Manzanares, A. Zimmer, R. Maldonado

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LONG-TERM SEX-DEPENDENT MEMORY IMPAIRMENTS IN RATS TREATED WITH NICOTINE AND/OR A CANNABINOID AGONIST IN THE ADOLESCENT PERIOD. Beatriz Mateos, Erika Borcel, Ricardo Llorente, Alejandro Aparisi, Celia Miguel, María-Paz Viveros

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ISCHEMIA-INDUCED CHANGES IN CEREBRAL BLOOD FLOW AND VASCULAR RESPONSES IN THE MOUSE BRAIN. África Millán, José Martínez Orgado, Rosa M. Tolón, Julián Romero

**P-20**

STUDY OF PSYCHOTIC-LIKE EFFECTS OF DELTA-9-TETRAHYDRO-CANNABINOL IN SWISS MICE. Rocío Moreno-Paublete, E. Fernández-Espejo

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MODULATION OF SUBTHALAMO-NIGRAL NEUROTRANSMISSION BY CANNABINOIDS. Teresa Morera-Herreras, A. Aristieta, J. A. Ruiz-Ortega, L. Ucedo

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ENDOCANNABINOIDS POTENTIATE SYNAPTIC TRANSMISSION THROUGH ASTROCYTE STIMULATION. Marta Navarrete, A. Araque

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DETECTION OF HETEROMERS FORMED BY CANNABINOID CB<sub>1</sub>, DOPAMINE D<sub>2</sub> AND ADENOSINE A<sub>2A</sub> G-PROTEIN-COUPLED RECEPTORS. Gemma Navarro, Lucía Callén, Paulina Carriba, Francisco Ciruela, Sergi Ferré, Vicent Casadó, Luigi Agnati, Antoni Cortés, Josefa Mallol, Kjell Fuxe, Enric I. Canela, Carmen Lluís, Rafael Franco

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POTENTIATING THE CELL-KILLING ACTION OF CANNABINOIDS IN GLIOMAS BY COMBINED ADMINISTRATION OF OTHER ANTI-TUMORAL AGENTS. Sofía Torres, Mar Lorente, Fátima Rodríguez, Manuel Guzmán, Guillermo Velasco

**P-25**

THE SELECTIVE DELETION OF FAAH ALTERS THE APPEARANCE OF BETA AMYLOID PLAQUES IN AN ANIMAL MODEL OF ALZHEIMER'S DISEASE. Lourdes Ruiz-Valdepeñas, Cristina Benito, Cristina Otalora, Alicia López, Rosa M. Tolón, Julián Romero

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RADIOLOGICAL ANALYSIS OF ACUTE EFFECTS OF WIN 55,212-2 AND MORPHINE IN GASTROINTESTINAL MOTILITY IN THE RAT. PREMILINAR WORK. Gema Vera, P. A. Cabezos, M. Castillo, M. I. Martín, A. García-Peláez, R. Fernández-Pujol, R. Abalo

**P-27**

METABOLIC ANALYSIS OF VISCERAL ADIPOSE TISSUE IN DIET-INDUCED OBESITY MODELS. Margarita Vida, J. Suárez, P. Rivera, A. Palomino, M. Macías, I. Moreno, M. Cifuentes, P. Fernández-Llebrecz, F. Rodríguez de Fonseca, F. J. Bermúdez-Silva

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MODULATION OF STRESS INDUCED NEUROINFLAMMATION BY ENDOCANNABINOID SYSTEM: A ROLE FOR CB1 RECEPTOR. Silvia Zoppi, M. S. García-Gutiérrez, B. G. Pérez Nievas, I. Gárate, J.L.M. Madrigal, B. G. Bueno, J. Manzanares, J. C. Leza