



CURSO PRE-CONGRESO  
SOCIEDAD ARGENTINA DE INVESTIGACION  
EN NEUROCIENCIAS



# "NEUROBIOLOGY OF DRUG ADDICTION"

Del 22 al 23 de octubre  
Ciudad Universitaria, Córdoba, Argentina.

**Directora**

Dra. Liliana M. Cancela.  
Departamento de Farmacología,  
FCQ, UNC.

**Coordinadora**

Dra. Flavia Bollati  
Departamento de Farmacología,  
FCQ, UNC.



**Colaboradores:**

Dra. Verónica Álvarez (USA)  
Dra. María Estela Andrés (Chile)  
Dr. Bruno Averbeck (USA)  
Dr. Rudy Bernabeu (Argentina)  
Dra. Martine Cador (Francia)  
Dr. Peter W. Kalivas (USA)  
Dra. Silvia Cruz (México)  
Dr. Juan Carlos Molina (Argentina)  
Dra. Gabriela Paglini (Argentina)  
Dra. Mariela Pérez (Argentina)  
Dra. Miriam Virgolini (Argentina)

## Programa

- Basic concepts of drug addiction. Reward circuit. Vulnerability to develop drug addiction. **Dra. Liliana Cancela**
- From worms to rat experimental models in addiction studies. Alcohol metabolism and reinforcement. **Dra. Miriam Virgolini**
- Maternal ethanol ingestion during gestation and breastfeeding: Recruitment of early learning processes that lead to ethanol preference and seeking behavior of the drug. **Dr. Juan Carlos Molina**
- Tolerance to benzodiazepines associated to long-term plasticity in hippocampus **Dra. Mariela Pérez**
- Neurobiology of volatile solvent misuse. **Dra. Silvia Cruz**
- Cannabis. Endocannabinoid system. Psychoactive vs medicinal use of Delta 9-THC and Cannabidiol. **Dra. Liliana Cancela**
- Nicotine. Rewarding properties of nicotine in zebrafish. Epigenetic. **Dr. Rudy Bernabeu**
- Synaptic plasticity in addiction by amphetamine and methylphenidate. **Dra. Gabriela Paglini**
- Neurobiology of addiction. **Dr. Peter W. Kalivas**
- Too much sucrose at adolescence: vulnerability to depressive disorders at adulthood? **Dra. Martine Cador**
- Compulsive behaviors: dopamine D2 and kappa opioid receptors of the mesolimbic system. **Dra. Estela Andres**
- Central mechanisms controlling satiety, food intake and adiposity. **Dr. Marcelo Rubinstein**
- Theoretical and experimental approaches to study reinforcement learning. **Dr. Bruno B. Averbeck**
- Circuit and synaptic mechanisms mediating the behavioral response and the vulnerability to compulsive drug abuse. **Dra. Verónica Álvarez**

Course and ISN Small Conference (ISN-CC) Associated to the XXXIII SAN 2018 Meeting

Horario: de 9 a 19 h.

Lugar: Salón Auditorio Edificio Integrador, Facultad de Ciencias Químicas, Universidad Nacional de Córdoba, Salón de Actos Pabellón Argentina, Ciudad Universitaria, Córdoba, Argentina

Curso aprobado por Res. 619/18 HCD de la Facultad de Ciencias Químicas, Universidad Nacional de Córdoba. Válido para Doctorado y Maestría.