

## **CoPGr CURRICULAR CHAMBER**

### **SUBJECTS PRESENTATION FORM**

SUBJECT'S ACRONYM: **RNP5781**

SUBJECT'S NAME: Neurobiology of the Mental Disorders

CURRICULUM/AREA: Neurology/17140

FOCAL AREA: Neurosciences

INITIAL VALIDITY (Year/Semester):

N. OF CREDITS: 04

Theoretical Classes: 04      Practical Classes, Seminars and Others: 01      Hours of Study: 01  
DURATION IN WEEKS: 10

PROFESSOR(S) IN CHARGE:

USP Professor, n. 56117 – Marcus Lira Brandão  
USP Professor, n. 178173 – Cristina Marta Del Ben

ACTUAL COSTS OF THE SUBJECT: BRL

(Presenting, if applicable, the budget foreseen for the year, as an attachment)

#### **PROGRAM**

OBJECTIVES:

Enabling the graduation student to critically analyze the research methodologies applied to the study of the biological factors influencing the genesis, the clinical manifestations and the treatment of mental disorders, including their interaction with environmental factors. At the end of the subject, it is expected that the student will be able to properly interpret the scientific results, integrating basic and clinic research data.

JUSTIFICATION:

The advance on the understanding of the mental disorders neurobiology depends on an effective integration of the knowledge produced by different research areas. For such, it is essential that the researcher develops the reflexive and critical analysis capacity with regards to the applicability and limitations of different scientific investigation methods.

CONTENT (SYLLABUS):

a) Diagnostic concept and classification in psychiatry; b) Genetic determinants implied in different mental disorders; c) Environmental factors (nutrition, weather, significant vital events, personal interactions, social-economic status etc) implied in the etiology of mental disorders; d) Genetic-environmental interaction on the etiology of the mental disorders; e) Validity of the psychopathology experimental models; f) Neural basis of the psychiatric disorders; g) Biological markers; h) Biological therapeutics of the psychiatric disorders; e) Etiological hypotheses and therapeutic perspectives of the psychiatric disorders.

EVALUATION METHOD:

Assiduity and punctuality, participation in scheduled activities, seminars presentation.

**NOTES:**

Learning-education strategies: expository classes, group discussions, individual reading and seminars.