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UNIVERSIDAD DE BUENOS AIRES  
FACULTAD DE CIENCIAS EXACTAS Y NATURALES.

**ASIGNATURA:** Curso de Seminarios de Porfirinas y Porfirias.

**CARRERA:** Graduados de Cs. Químicas, Medicina, Cs. Biológicas y Farmacia y Bioquímica.

**CARACTER:** Post-Grado.

**DURACION:** 1º y 2º cuatrimestre.

**RESPONSABLE:** Dra. María del Carmen Alcira Batlle de Albertoni.

**HORAS DE CLASE:** 2 hs. semanales.

**SELECCIÓN FINAL:** para doctorandos unicamente, quienes además deberán presentar 4 seminarios.

**PROGRAMA.**


Succinil-CoA Sintetasa. ALA-Sintetasa. DOVA-Transaminasa. Rodenasa. Cistationasa. ALA-Dehidrasa. Metales y la biosíntesis del hemo. PBGasa. CPGasa. Decarboxilasa. Protoprogen oxidasa. Metal quelatasa. Hemo oxigenasa. Metodología para determinación de porfirinas y precursores. Cromatografía líquida de alta presión. Biosíntesis del hemo en bacterias, levaduras, vegetales y animales. Enzimopatías en el metabolismo del hemo. Bioquímica de parásitos y su relación con el metabolismo del hemo. TRYPANOSOMA CRUZI. Porfirias cutáneas y Agudas. Porfirias Eritropoyéticas. Porfiria Experimental. Terapia enzimática. Liposomas e intoxicación con plomo. Acción de fantasmas de eritrocitos cargados sobre distintas porfirias. Biosíntesis de corrilas. Vit. B<sub>12</sub>. Biosíntesis de clorofilas y bacterioclorofilas. Biodegradación de hemos y clorofilas. Polipirroles de cadena abierta. Pigmentos biliares. Ficobilinas y Ficocianinas. Regulación de la biosíntesis de hemos y clorofilas.

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