ANATOMIA Y NEUROBIOLOGIA

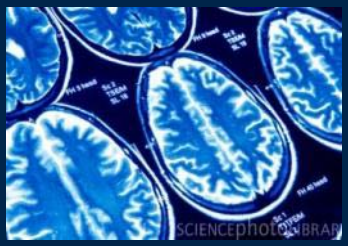
www.md.rcm.upr.edu/anatomyneurobiology

La Anatomía es una disciplina que atrae a todo aquel que le interese conocer la estructura de las cosas, de que estámos hechos, desde lo macro y superficial hasta lo micro y más profundo.

La especialización en Anatomía no es para todo el mundo, pero quien se siente atraído por esta disciplina pronto descubre que es verdaderamente fascinante.

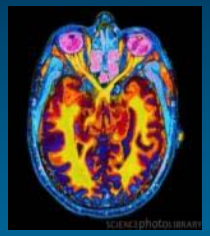
Actualmente, no hay muchos anatomistas (~30 en Puerto Rico, ~1,500 en EEUU), por lo cual hay gran demanda por personas con preparación en estas disciplinas en Escuelas de Medicina y especializadas en otras profesiones de la salud

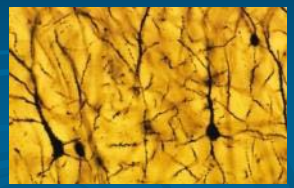
La Neurobiología nos lleva a explorar a fondo las complejidades del órgano rector en nuestro cuerpo, el cerebro y sistema nervioso. La Neurobiología experimenta actualmente un desarrollo vertiginoso. Es una de las áreas que más atención recibe en cuanto a iniciativas federales de apoyo a la investigación, tanto a nivel clínico como de las ciencias básicas.

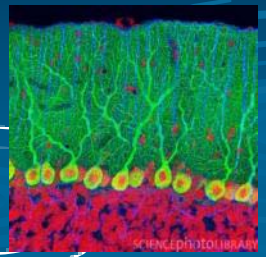






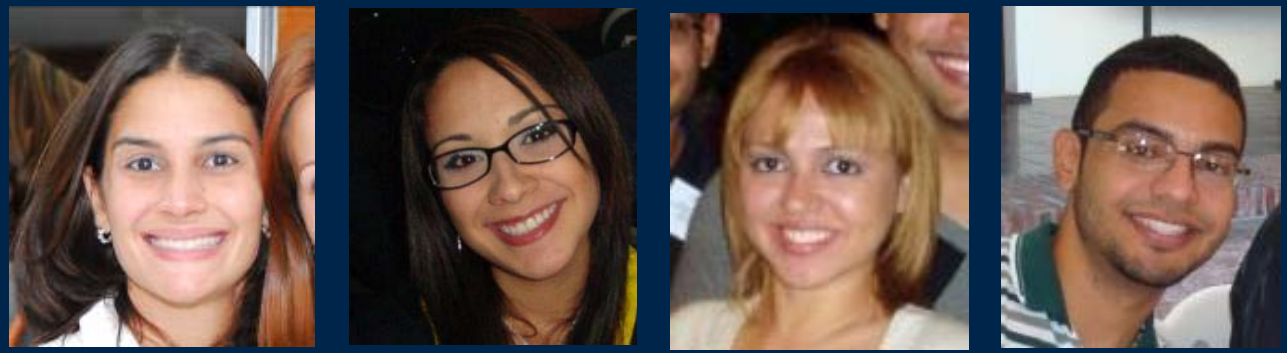








Programa Graduado en Anatomía

- 14 estudiantes graduados



Programa Graduado en Anatomía

- 12 miembros de facultad regulares
- 5 miembros de facultad adjunta

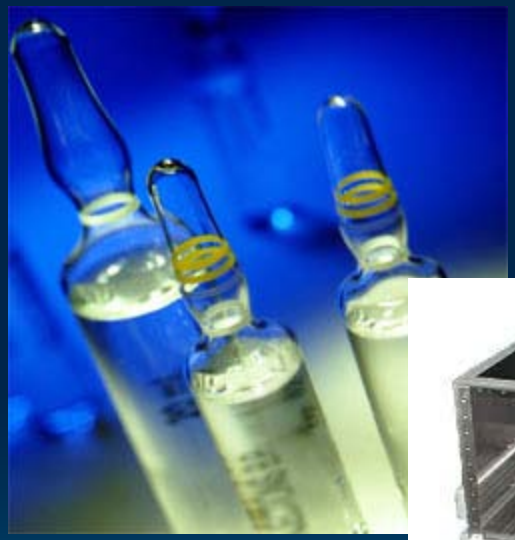
Laboratorios de Investigación en RCM, Instituto de Neurobiología y UPR Mayaguez

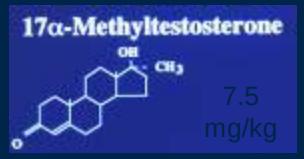
Dra. Jennifer L. Barreto Estrada

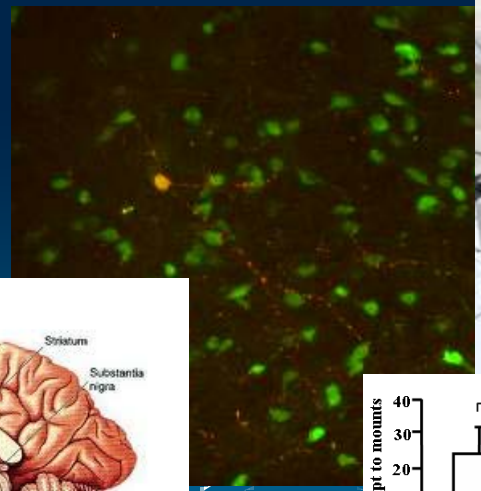
Catedrática Auxiliar

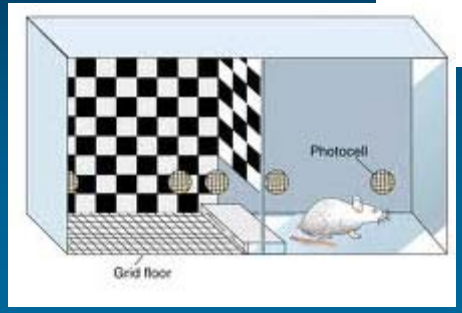
RCM A555, 758-2525 x7013, jennifer.barreto@upr.edu

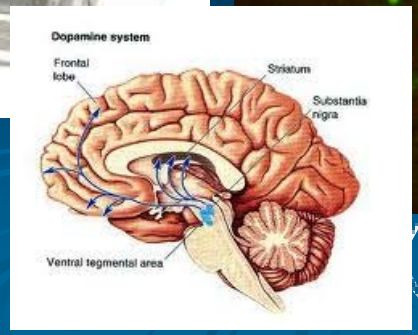
- Cambios celulares y moleculares asociados con la salud reproductiva luego de exposición a andrógenos durante la pubertad

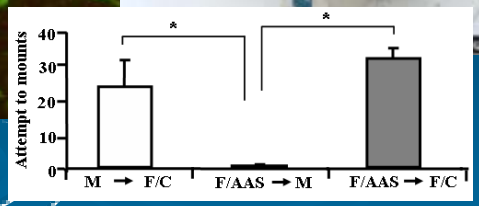








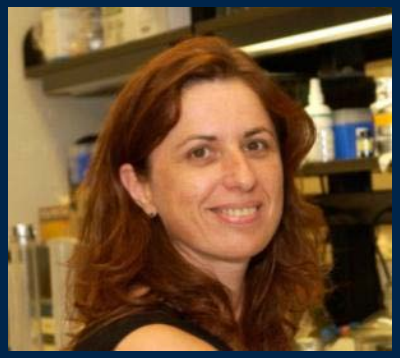




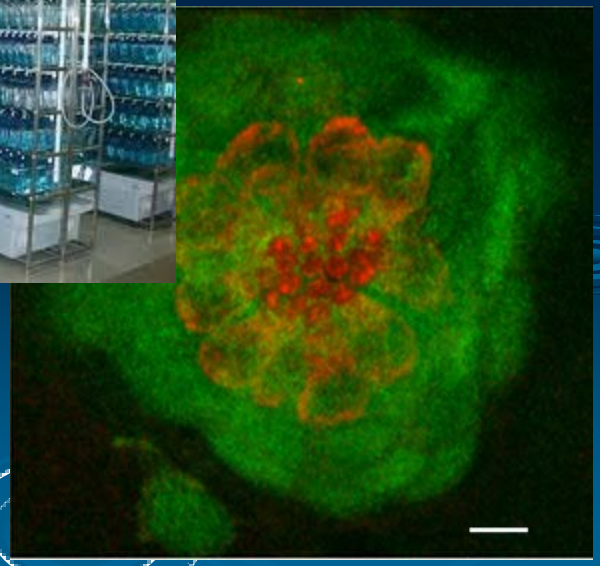
Dra. Martine L. Behra

Catedrática Auxiliar

RCM A539-541, 548, 758-2525 x2120, martine.behra@upr.edu



- Genética de la regeneración en el contexto del organismo completo, utilizando el pez zebra como modelo animal.

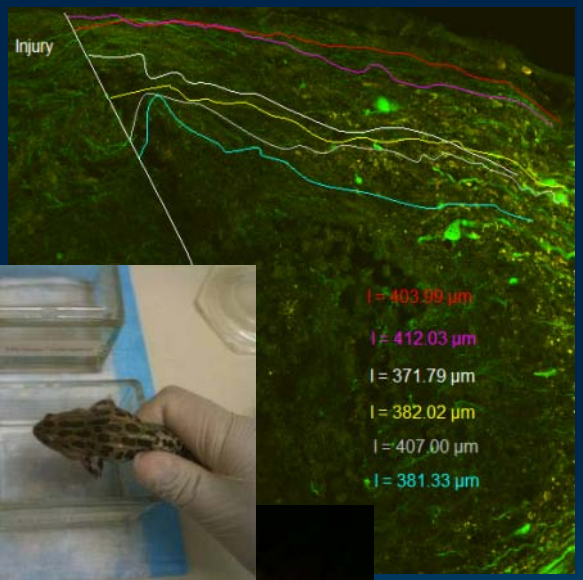


Dra. Rosa E. Blanco

Catedrática

INB 208-216, 724-1962, rosa.blanco@upr.edu

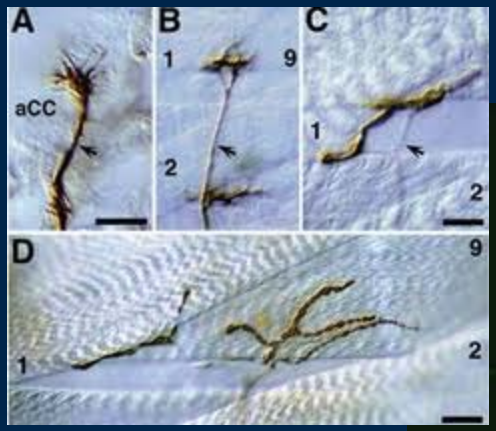
- Sobrevivencia, regeneración y plasticidad neuronal en el sistema visual.

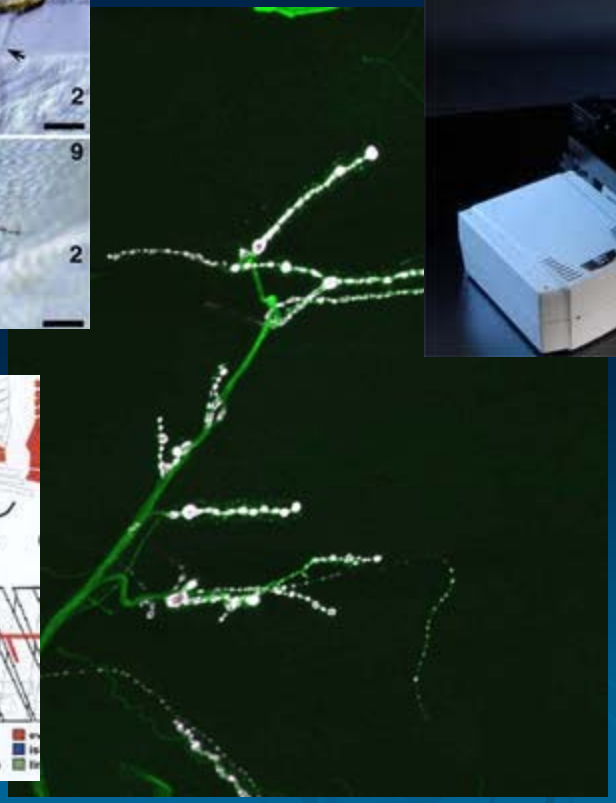


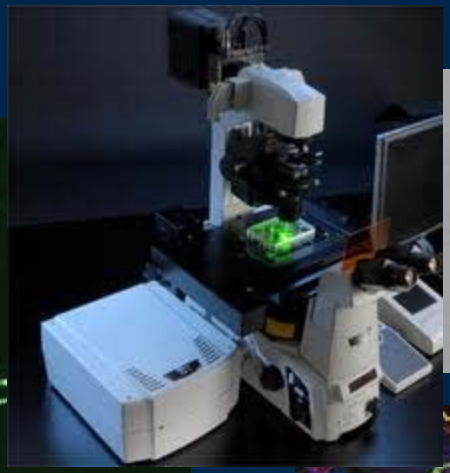
Dr. Franklin A. Carrero-Martínez

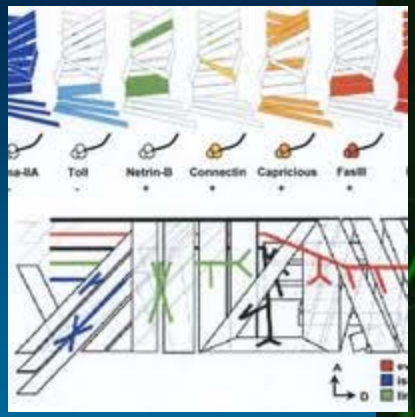
Catedrático Auxiliar UPR Mayaguez – Profesor Adjunto
787-832-4040 x3923, franklin.carrero@upr.edu

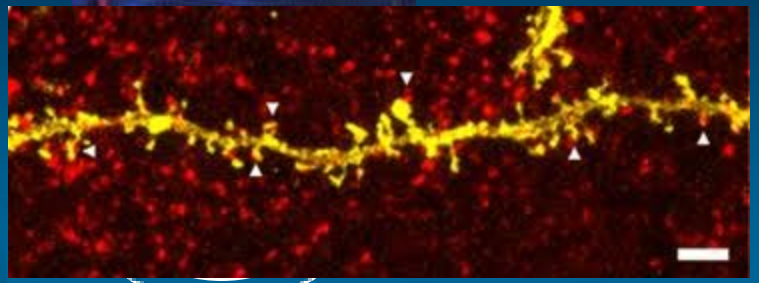
- Influencias moleculares, genéticas y estructurales en el desarrollo de la sinápsis neuromuscular en *Drosophila*.









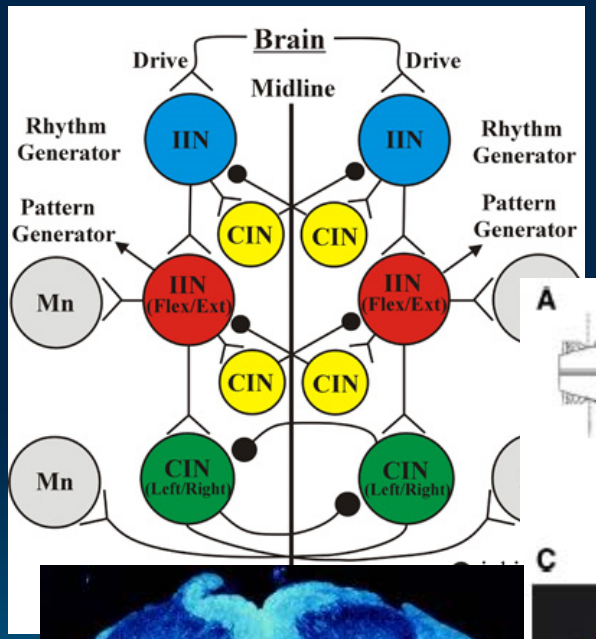


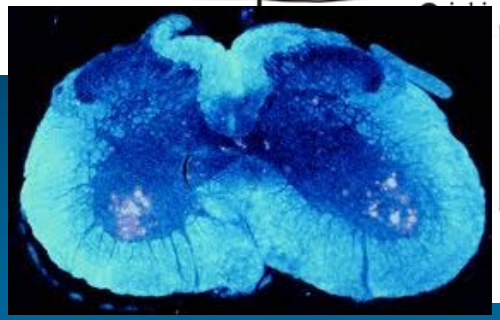
Dr. Manuel E. Díaz Ríos

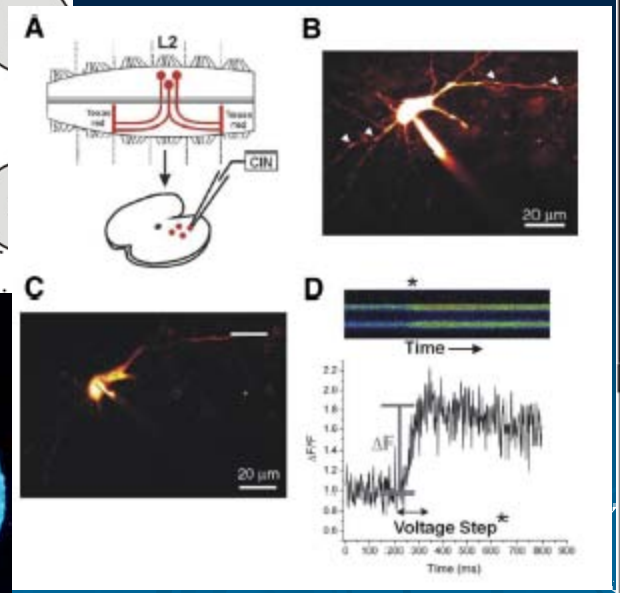
Catedrático Auxiliar

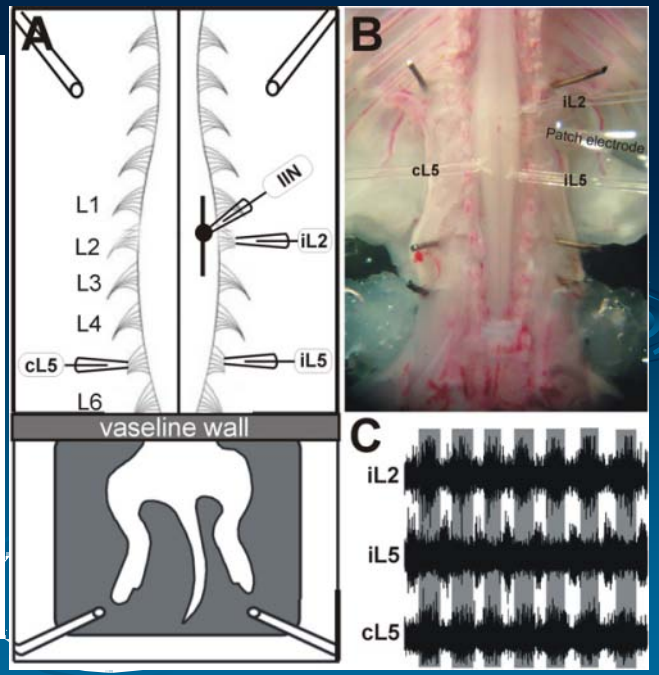
INB 306/308/313, x1505, manuel.diaz6@upr.edu

- Generadores de patrones de actividad central y el rol de interneuronas espinales en el control de la locomoción





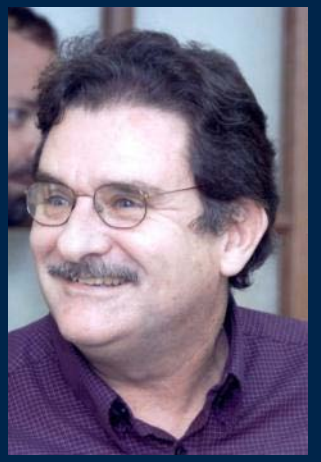




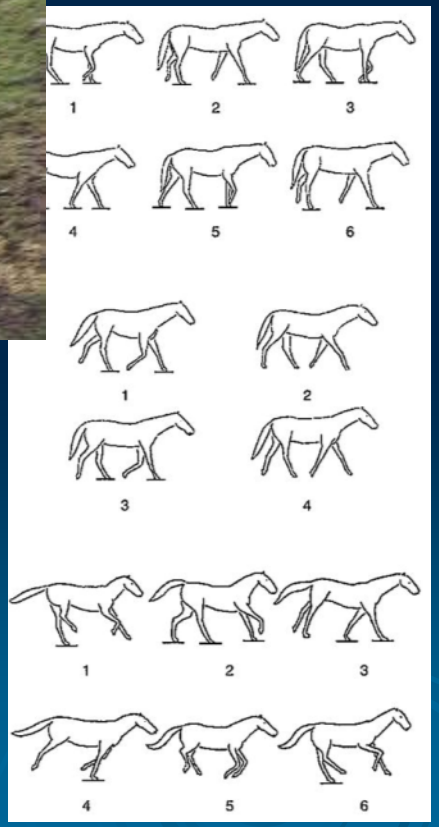
Dr. Donald C. Dunbar

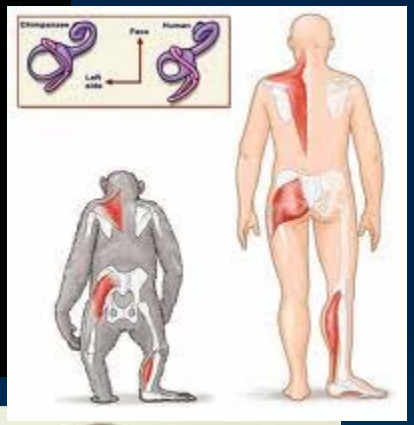
Catedrático

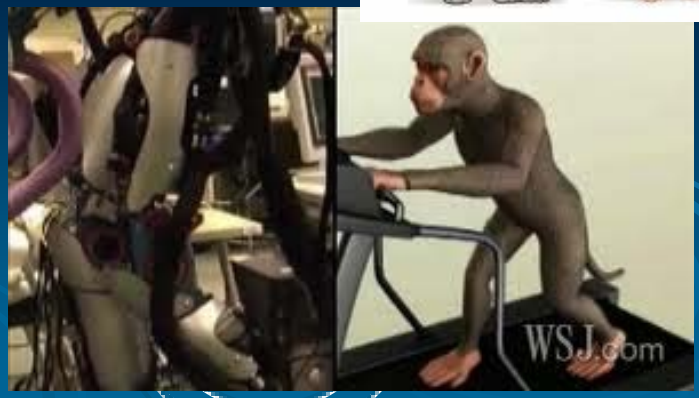
RCM A-515, x1509, donald.dunbar@upr.edu



- Morfología funcional y biomecánica en mamíferos, control neural de locomoción y postura en primates, orientación espacial y navegación.





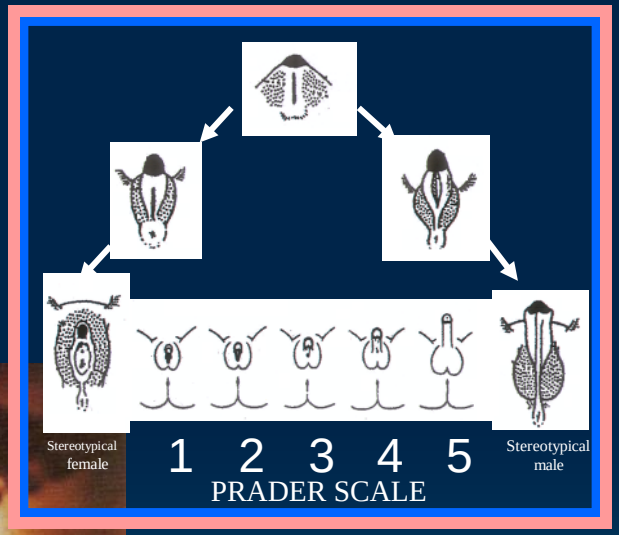


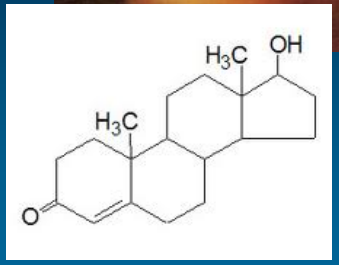
Dr. Juan C. Jorge

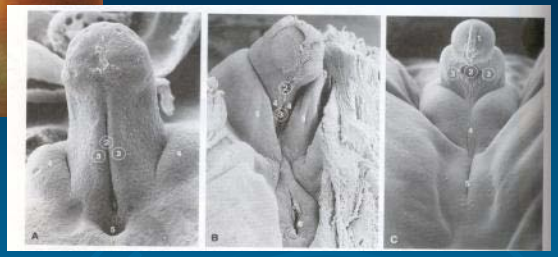
Catedrático Asociado

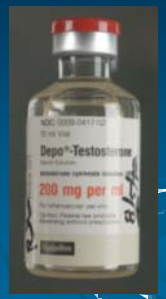
RCM A-521, x1506, juan.jorge@upr.edu

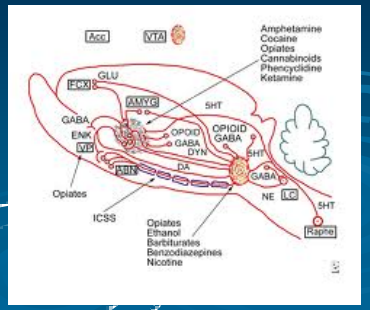
- Diferenciación sexual de las emociones y comportamientos complejos, malformaciones congénitas urogenitales









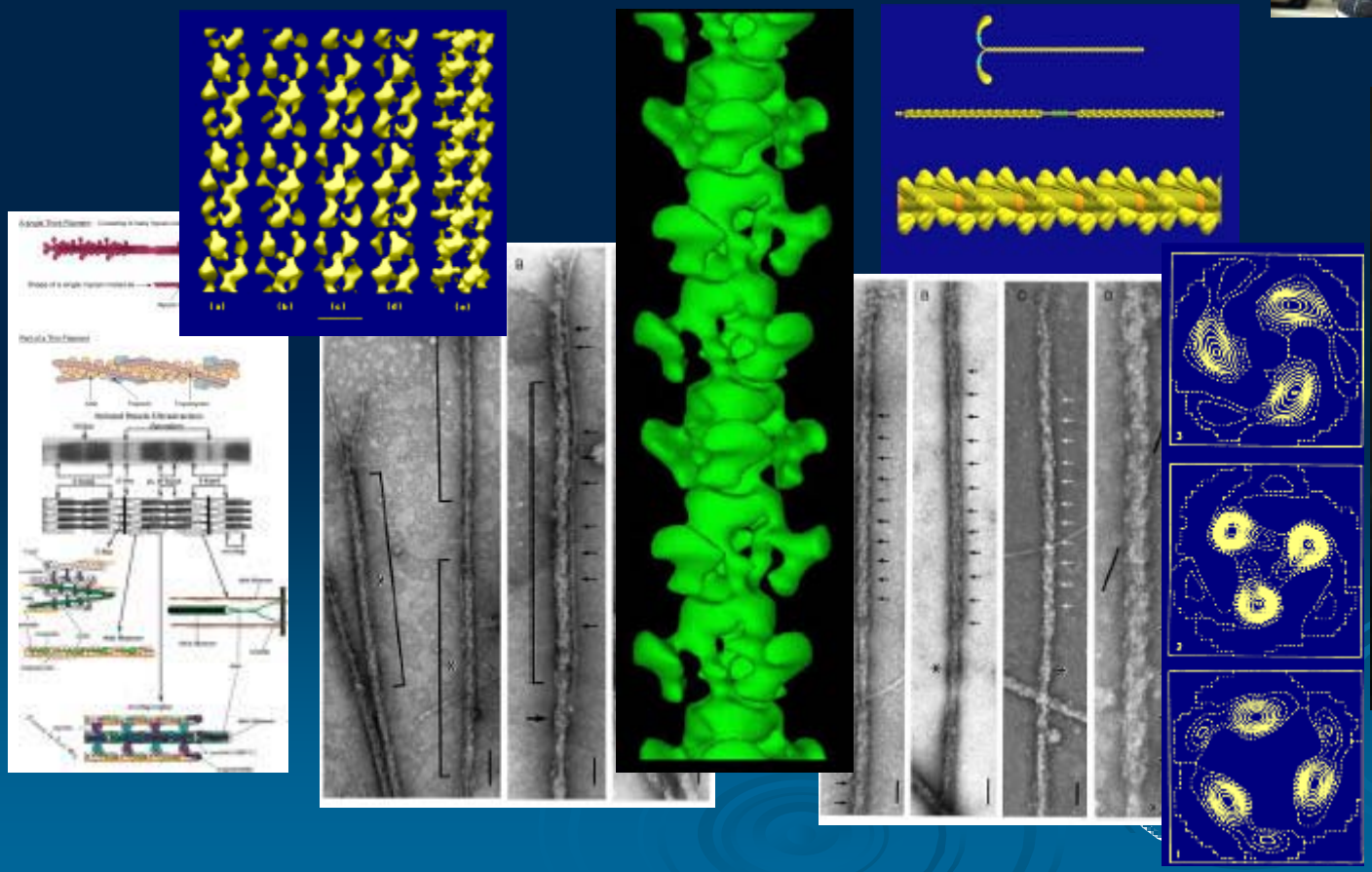


Dr. Robert Kensler

Catedrático

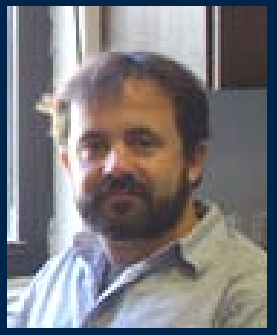
RCM A-502, x1507, rkensler@rcm.upr.edu

- Microestructura del músculo, con énfasis en los arreglos de miosina y proteínas accesorias en los filamentos gruesos en vertebrados.

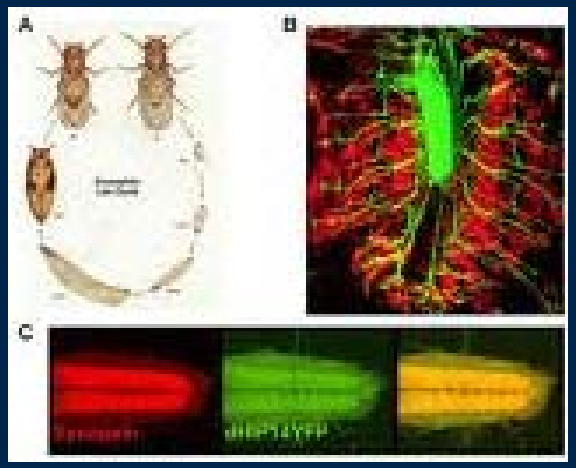


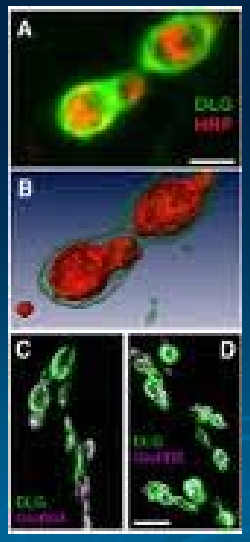
Dr. Bruno Marie

Catedrático Auxiliar INB – Profesor Adjunto
INB 314, 787-724-1024, bruno.marie@upr.edu



- Identificación de moléculas y mecanismos esenciales para la homeostasis de la sinapsis.



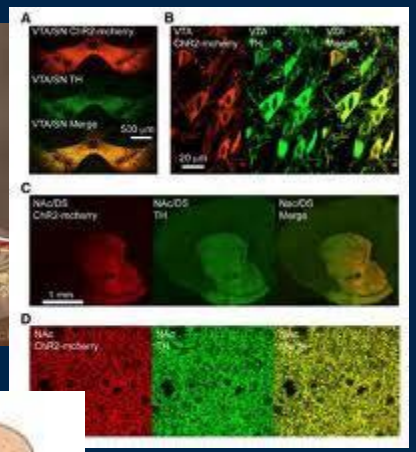


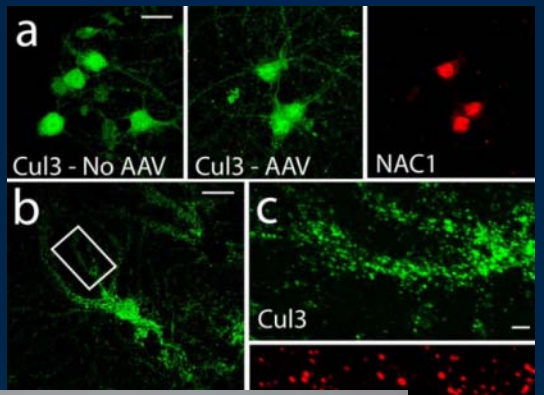
Dr. Roberto I. Meléndez

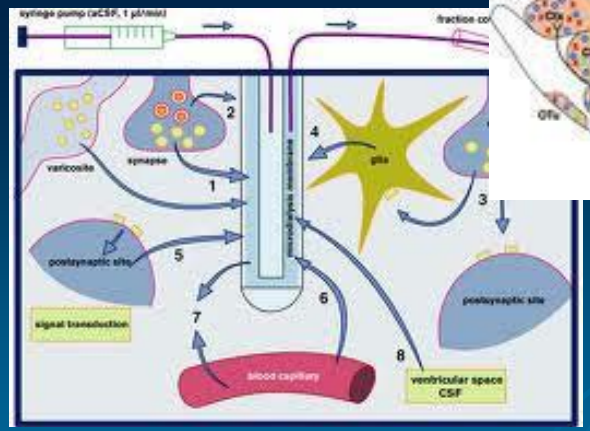
Catedrático Auxiliar

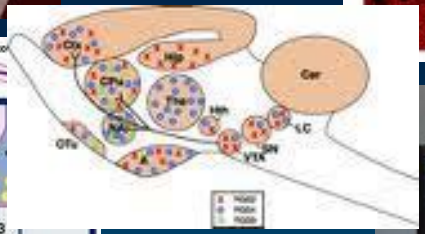
RCM A-526, 758-2525 x2107, roberto.melendez2@upr.edu

- Desarrollo de un modelo en ratón para el estudio de las bases neurales de la adicción al alcohol y del proceso de recaída luego de períodos de inhibición







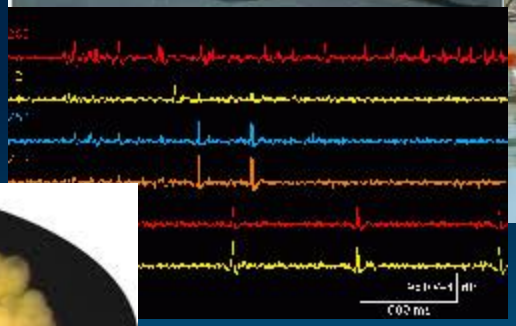


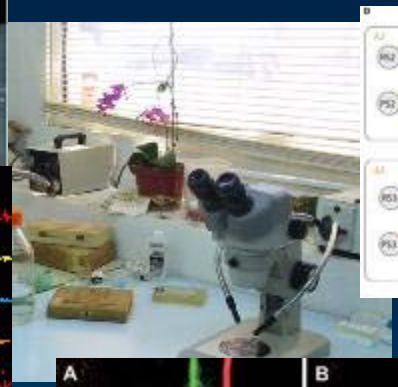
Dr. Mark W. Miller

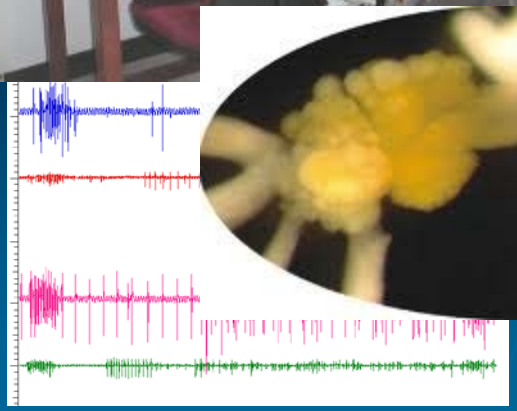
Catedrático

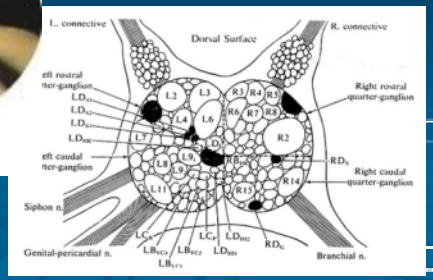
INB, 787-721-4149 x279, 227, mark.miller@upr.edu

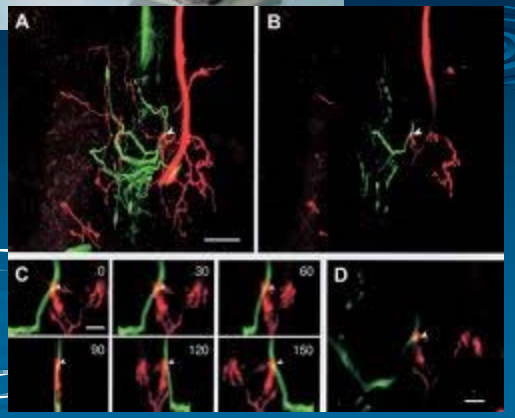
- Actividad rítmica en los sistemas nerviosos de invertebrados







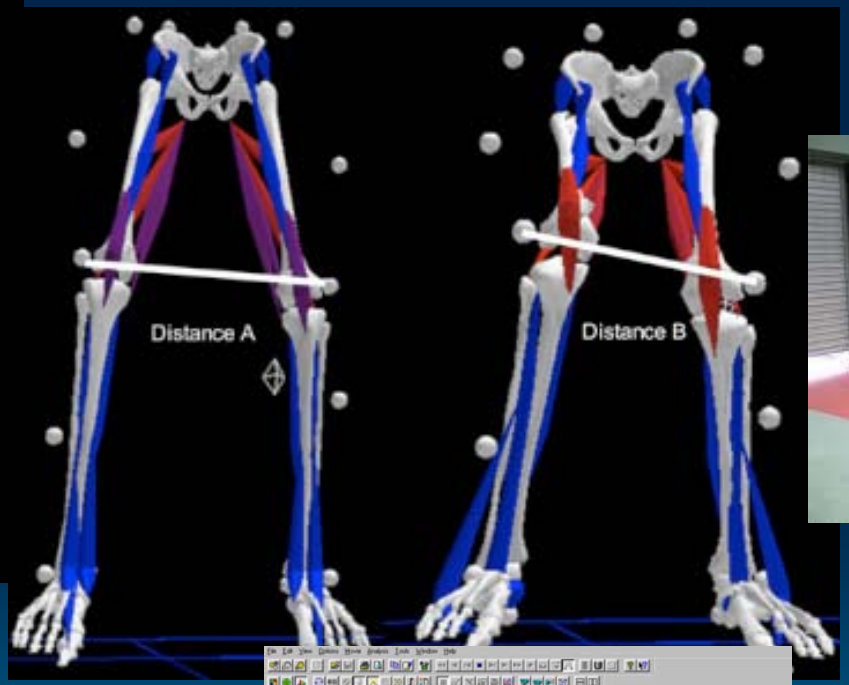


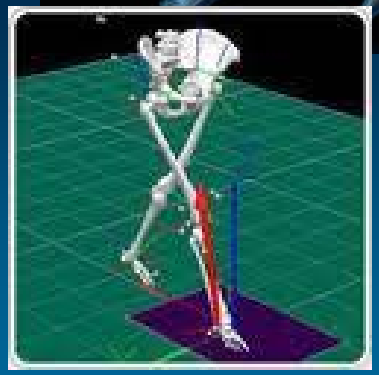


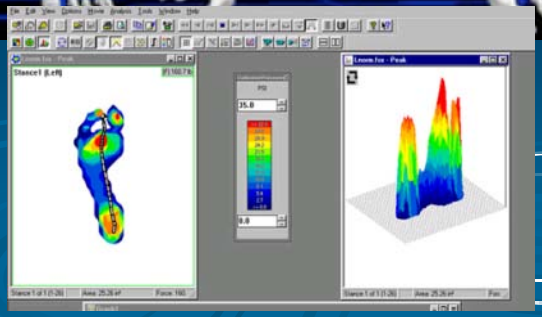
Dr. Alexis Ortiz

Catedrático Auxiliar Esc. Profesiones Salud – Profesor Adjunto
RCM A-502, x1507, alexis.ortiz@upr.edu

- Biomecánica en el deporte, factores de riesgo y prevención de lesiones en las extremidades.





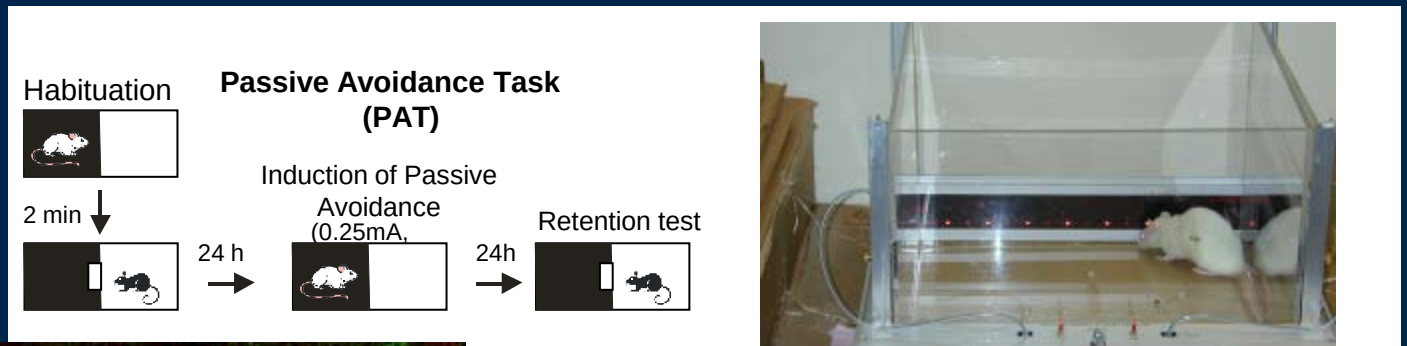


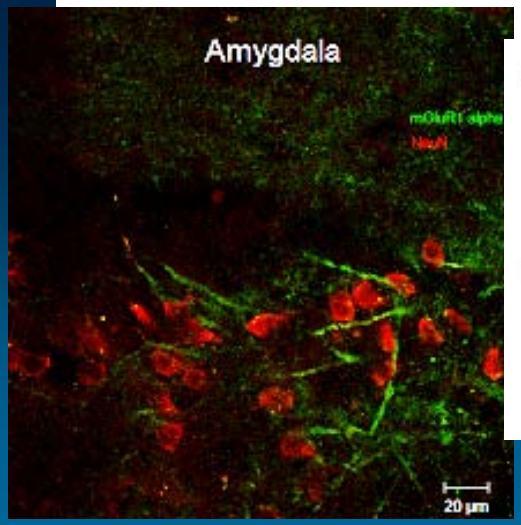
Dra. Nivia Pérez

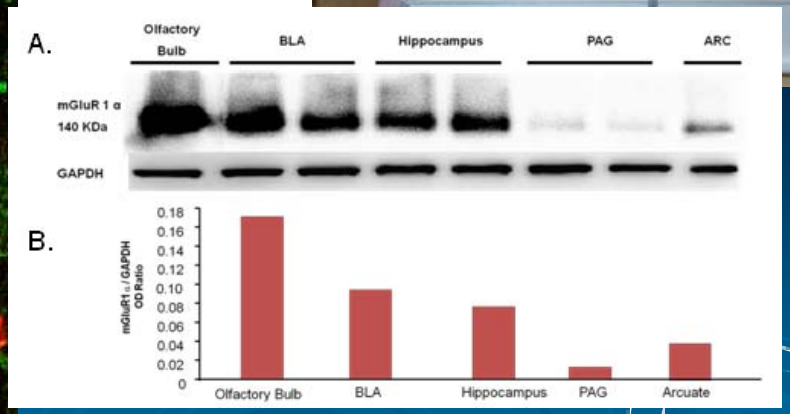
Catedrática Auxiliar

RCM A-556, x1512, nivia.perez@upr.edu

- Rol de los receptores metabotrópicos de glutamato en mecanismos de ansiedad y el establecimiento de memoria emocional



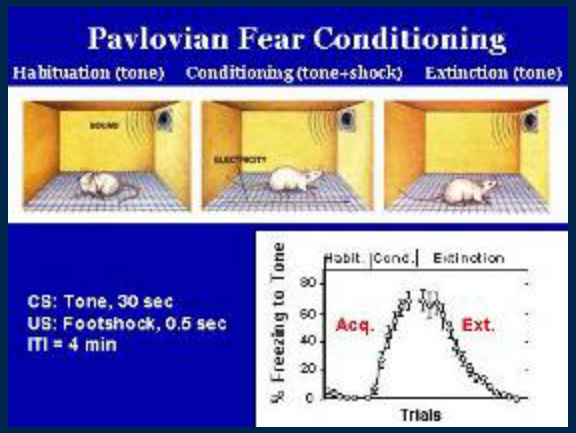


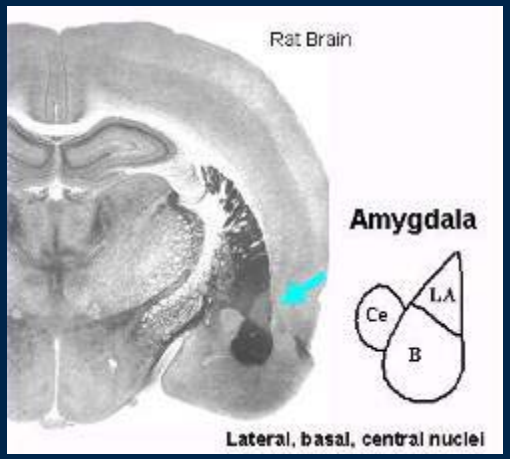


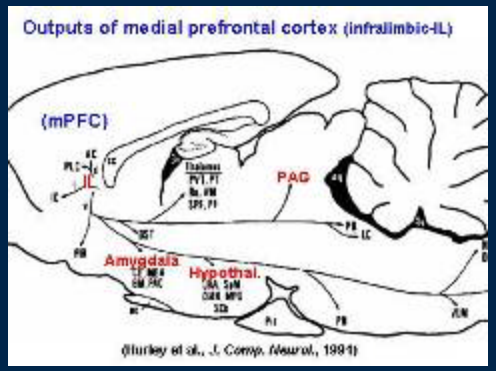
Dr. Gregory J. Quirk

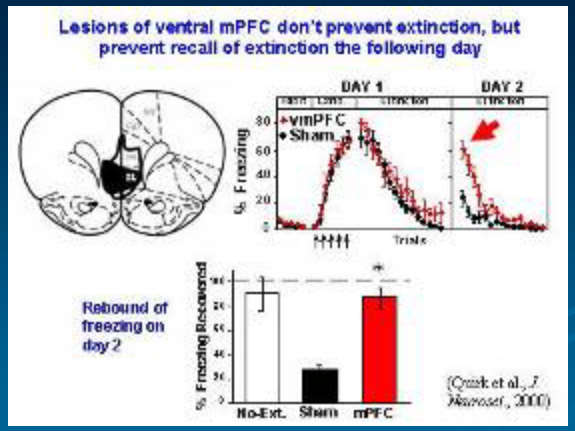
Catedrático Adjunto (Dept. Psiquiatría)
RCM A-231, x2720, gjquirk@yahoo.com

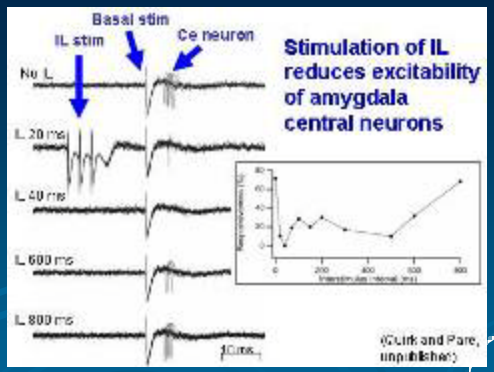
- Interacciones en la amígdala prefrontal asociadas a acondicionamiento al miedo

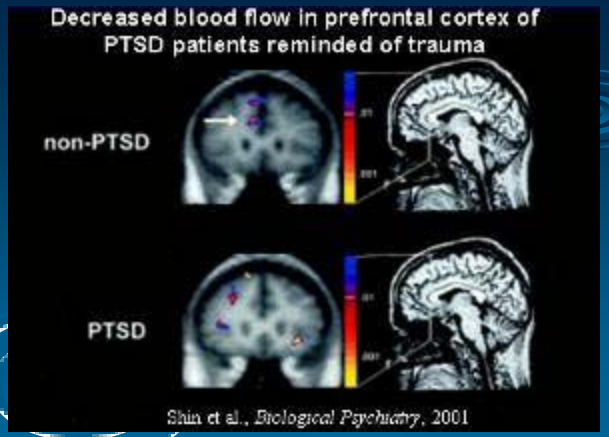










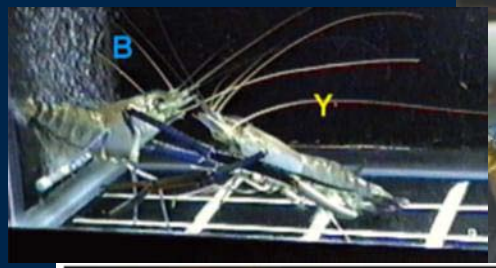


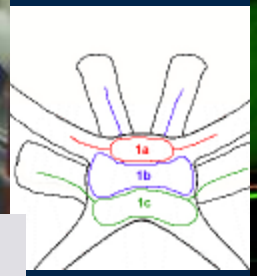
Dra. María A. Sosa

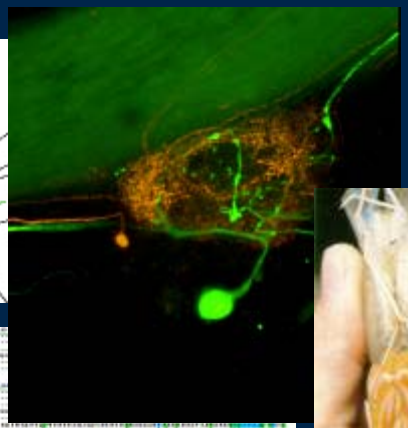
Catedrática y Directora Dept. Anatomía y Neurobiología

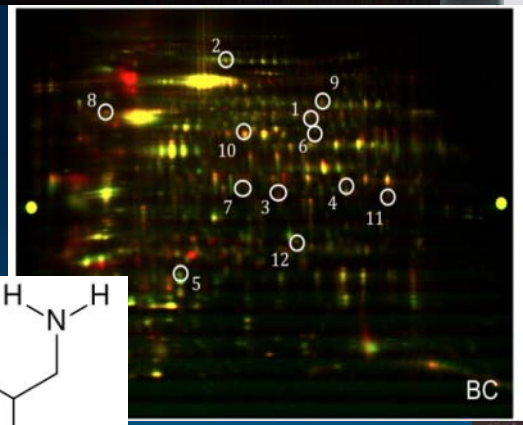
INB: 724-2158, RCM: A-535, x1514 maria.sosa@upr.edu

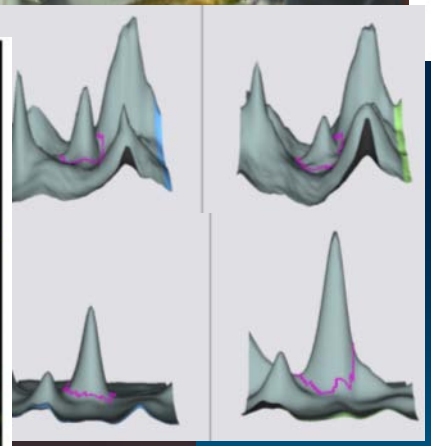
- Bases neurales de la agresividad y dominancia en un modelo invertebrado

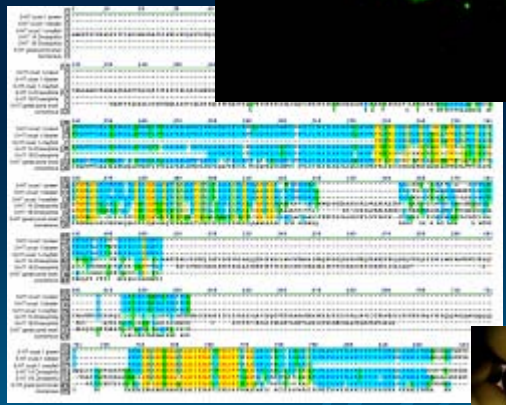


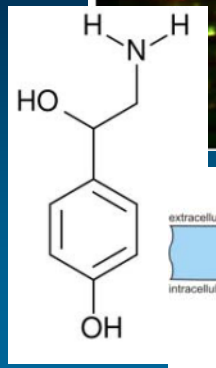


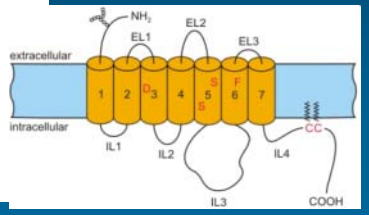


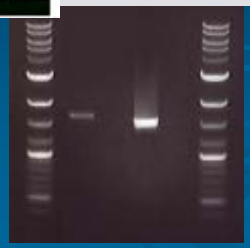








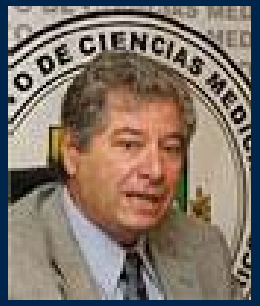




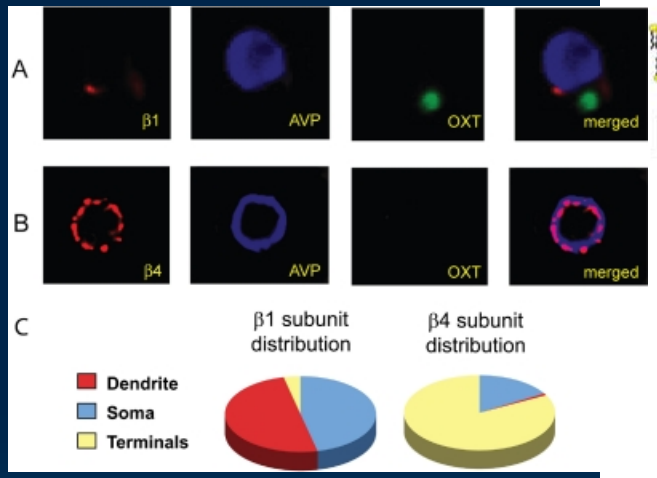
Dr. Steven N. Treistman

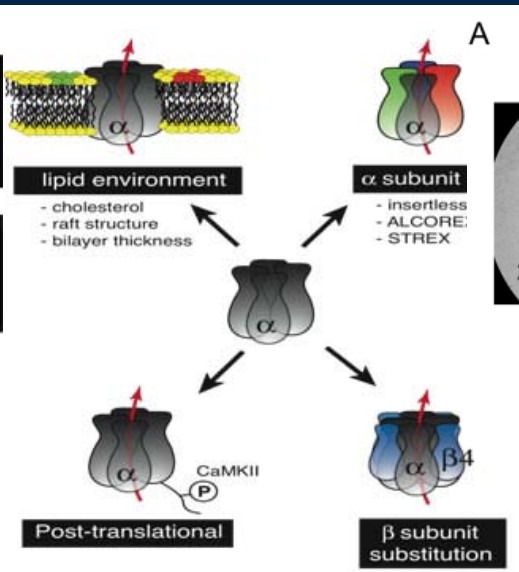
Catedrático y Director Instituto de Neurobiología

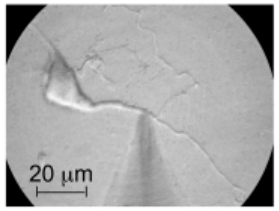
INB, 203-206, 721-4149 x247, steven.treistman@upr.edu

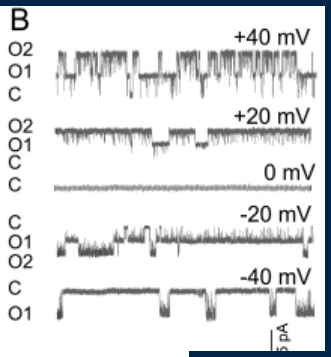


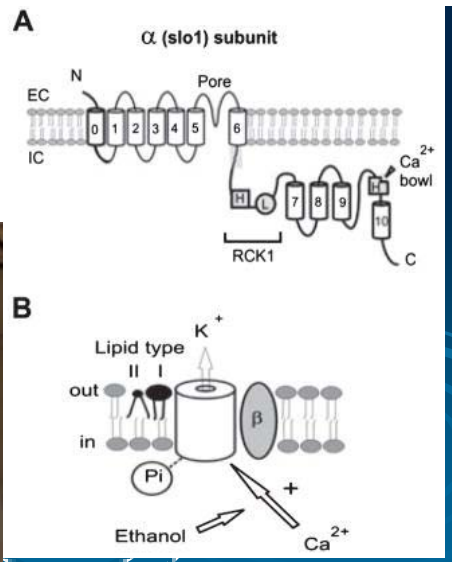
- Mecanismos de acción sobre el sistema nervioso del alcohol y drogas opioides.

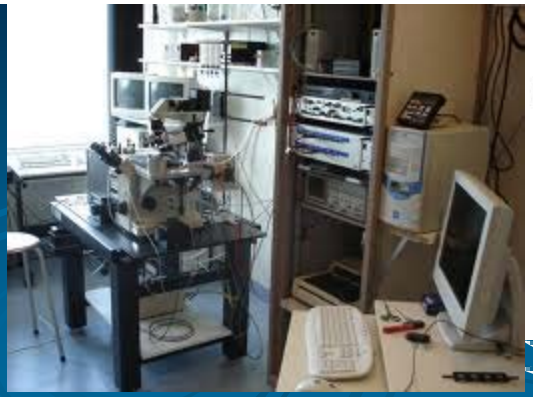










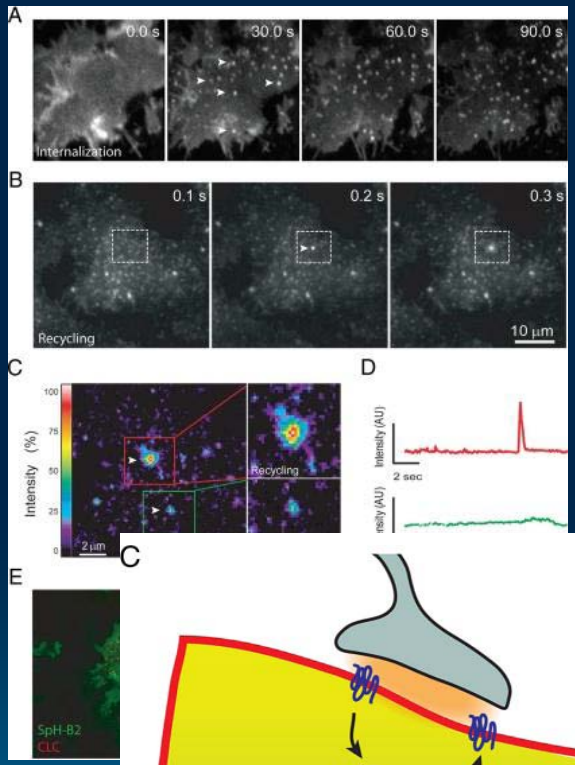


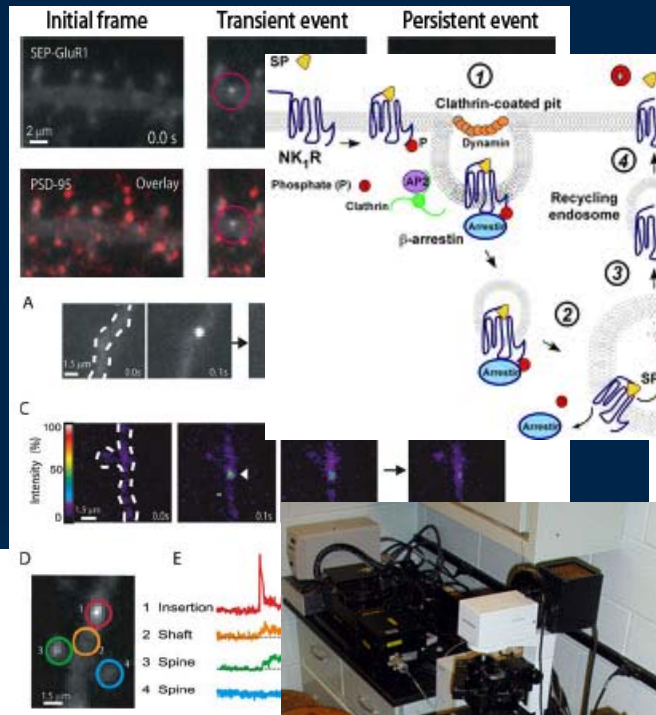
Dr. Guillermo A. Yudowski

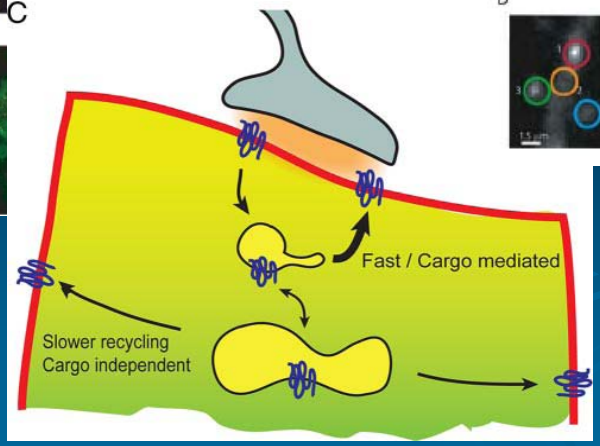
Catedrático Auxiliar

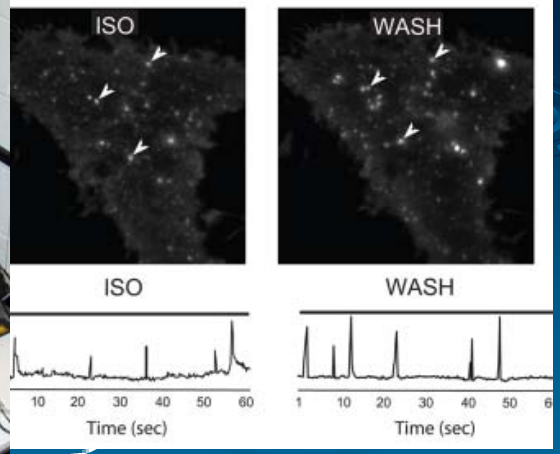
INB A-306, 787-721-4149 x254, guillermo.yudowski@upr.edu

- Mecanismos celulares del reciclado de receptores.









Información Adicional

www.md.rcm.upr.edu/anatomyneurobiology

Coordinadora Graduada y
Directora Departamental:

María A. Sosa, Ph.D.
Oficina A-535
787-758-2525, x1500, 1501, 1514
maria.sosa@upr.edu

Departamento de Anatomía y Neurobiología
Oficina A-543
Escuela de Medicina
UPR Recinto de Ciencias Médicas
PO Box 365067
San Juan, PR 00936-5067