



Mini-Symposium Cinvestav-CNR



Chemistry and cell biology of cellular zinc storage and mobilization in
insect vectors of disease and agricultural pests

April 10, 2024
Biblioteca Central 3er. piso
Cinvestav

PROGRAM

- 9:00 Raúl Jorge Marrero
Physiological regulation of zinc in mice.
- 9:30 Oscar Antonio Núñez Gaytán
The involvement of tetrahydrobiopterin in zinc homeostasis in *Drosophila melanogaster*.
- 10:00 Cynthia Saraí Sánchez González
Tight junction modulation by kynurenine.
- 10:30 Café
- 11:00 Alan Michael Pérez Hernández
Indirect flight muscle development during metamorphosis of *Aedes aegypti*.
- 11:30 Anna Karen Hernández Gallardo
Understanding iron metabolism using the fruit fly.
- 12:00 Jahir Maceliano Bahena López
Investigating the regulation of cellular iron metabolism by manganese, copper and zinc in *Drosophila melanogaster*.
- 12:30 Comida
- 14:30 Fidel De la Cruz Hernández Hernández
Two adventures with Mexican insects: the colorful cochineal and the annoying mosquito.
- 15:15 Francesca Scolari & Anna Cleta Croce
Autofluorescence in the Malpighian tubules of the Asian tiger mosquito *Aedes albopictus*.
- 16:00 Café
- 16:30 Carlos Alberto Tejeda Guzmán
Autofluorescence in the Malpighian tubules of *Drosophila melanogaster*.
- 17:00 Salvador Gallardo Hernández
X-ray spectroscopies for investigating Fe(II) Fe(III) in *Drosophila* intestines.

All welcome. Contact: Fanis Missirlis, fanis@fisio.cinvestav.mx