



II International Training Course on Cell Motility, Molecular Motors and the Cytoskeleton

1st Week

May 02 – Arrival

| | May 03 | May 04 | May 05 | May 06 |
|---------------|---------------|---------------|---------------|---------------|
| 08:00 – 09:00 | Hotel - UFRJ | | | |
| 09:00 – 10:15 | Lecture 01 | Lecture 03 | Lecture 05 | Lecture 07 |
| 10:30 – 11:45 | Lecture 02 | Lecture 04 | Lecture 06 | Lecture 08 |
| 11:45 – 13:00 | Lunch | | | |
| 13:00 – 18:00 | Practical 1-4 | Practical 1-4 | Practical 1-4 | Practical 1-4 |
| 18:00 – 19:00 | UFRJ – Hotel | | | |
| 19:00 – 20:00 | Dinner | | | |
| 20:30 – 24:00 | Late activity | | | |

| | Lectures | Lab Classes |
|----|--|---|
| 1. | Opening | 1. "Starfish oocytes as a tool to study cell cycle re-initiation and fertilization" L. Santella Sergio T. Ferreira's Lab |
| 2. | "Introduction to fluorescence microscopy" W. Provance | |
| 3. | "Role of calcium in the fertilization process" L. Santella | 2. "Fluorescent Probes for Live-Cell Microscopy" W. Provance Jerson Lima's Lab |
| 4. | "The role of molecular motors light chains" F. Espindola | |
| 5. | "Calcium signalling and oocyte maturation" L. Santella | 3. "Tissue distribution of myosin-Va in honeybee brain" F. Espindola Martha Sorenson's Lab |
| 6. | "Cell motility, growth cones and lamellapodia " W. Provance | |
| 7. | " The Calcium Signal and its Regulation by Membrane Transporters" E. Carafoli | 4. "Isolated nuclei as a model to study gene expression" J. Benech Debora Foguel's Lab |
| 8. | "Nuclear Ca ²⁺ homeostasis and the dynamics of RNA synthesis" J. Benech | |



II International Symposium on Myosin V

| | May 07 | May 08 | May 09 |
|---------------|---|--|---|
| 10:00 – 11:00 | "Role of the actin cytoskeleton in the regulation of the calcium signalling during oocyte maturation" L. Santella | "Myosin motors in organelle motility" A. Hume | "Neuronal Apoptosis and Calcium Pumps" E. Carafoli |
| 11:00 – 12:00 | Protein synthesis in presynaptic endings of squid brain and its regulation by Ca ²⁺ " J. Benech | "Regulation of Caveolin-1 Trafficking by Myosin Vc" G. Bloom | "Myosin Va and nervous system injury: A link between toxicity and regeneration" L. C. Cameron |
| 12:00 – 15:00 | Lunch | Lunch | Lunch |
| 15:00 – 16:00 | "Targeting myosin in honeybees" F. Espindola | "Myosin-1c and Hair-Cell Function" J. Mercer | "Periaxoplasmic Ribosomal Plaques (PARPs) and motor proteins: a center of protein synthesis and distribution" J. Sotelo |
| 16:00 – 17:00 | "To be announced" E. Espreafico | "Myosin-Vb and Transferrin Trafficking" W. Provance | Round Table "What to do next? Evaluation and perspectives of MV research" Chairman: J. Mercer |
| 17:00 – 19:00 | Round Table "Myosin Cargo Attachment" | Poster Section | Poster Section |



II International Training Course on Cell Motility, Molecular Motors and the Cytoskeleton

2nd Week

| | May 11 | May 12 | May 13 | May 14 |
|---------------|---------------|---------------|---------------|---------------|
| 08:00 – 09:00 | Hotel - UFRJ | | | |
| 09:00 – 10:15 | Lecture 09 | Lecture 11 | Lecture 13 | Lecture 15 |
| 10:30 – 11:45 | Lecture 10 | Lecture 12 | Lecture 14 | Lecture 16 |
| 11:45 – 13:00 | Lunch | | | |
| 13:00 – 18:00 | Practical 5-8 | Practical 5-8 | Practical 5-8 | Practical 5-8 |
| 18:00 – 19:00 | UFRJ – Hotel | | | |
| 19:00 – 20:00 | Dinner | | | |
| 20:30 – 24:00 | Late activity | | | |

| | Lectures | Lab Classes |
|-----|---|--|
| 9. | "Cell biology of Alzheimer's disease" G. Bloom | 5. "Periaxoplasmic Ribosomal Plaques (PARPs) domain in goldfish giant Mauthner axons" J. Sotelo Martha Sorenson's Lab |
| 10. | "Mouse Genetics and Myosins" J. Mercer | |
| 11. | "Axonal territory protein synthesis against protein transport from the soma: opposed or complementary?" J. Sotelo | 6. "Intracellular Localization of IQGAPs" G. Bloom Débora Foguel's Lab |
| 12. | "Myosin energy conversion" V. Salerno Pinto | |
| 13. | "The axonal cytoskeleton: an ultrastructural approach" Alejandra Kun | 7. "The Actin Cytoskeleton and Melanosome Transport" J. Mercer Jerson Lima's Lab |
| 14. | "Regulation of Actin Assembly by IQGAP1" G. Bloom | |
| 15. | "How myosin motors connect to specific organelles" A. Hume | 8. "Uncoupling myosin Va and Rab27a clusters melanosomes in melanocytes" A. Hume Sérgio Teixeira's Lab |
| 16. | "RNAs and cytoskeleton motor proteins: a basis for neuron polarity determination" J. Sotelo | |

May 15 – Departure