

This program will be updated on a daily basis.

Name		Institution	Seminar Date	Time
Inauguration		Participant Presentation Session	Monday Nov-24th	10:00
Thomas	Buhse	UAEM, Cuernavaca	Monday Nov-24th	16:00
Dilip	Kondepudi	Wake Forest University, USA	Tuesday Nov-25th	09:30
Julyan	Cartwright	Universidad de Granada, Spain	Wednesday Nov-26th	09:30
Jorge	Carneiro	Instituto Gulbenkian, Portugal	Wednesday Nov-26th	17:30
Oreste	Piro	University of the Balearic Islands, Spain	Thursday Nov-27th	09:30
Manfred	Mueller	Köln, Germany	Friday Nov-28th	09:30
Jordi	Soriano	University of Barcelona, Spain	Monday Dec-1st	09:30
Harry	Swinney *	University of Texas, Austin, USA	Tuesday Dec-2th	10:00
Franco	Bagnoli	Università di Firenze, Italy	Wednesday Dec-3th	09:30
Jurgen	Pahle	BIOMS, University of Heidelberg, Germany	Thursday Dec-4th	09:30

* distinguished lecturer

TALKS ANNOUNCEMENT

Monday, Nov 24th

16:00 **Thomas Buhse**

UAEM, Cuernavaca

“Pathways to Homochirality”

17:30 **Dilip Kondepudi**
Wake Forest University, USA
“End-Directed Evolution in self-organized Systems”

Tuesday, Nov 25th

9:30 **Dilip Kondepudi**
Wake Forest University, USA
“Thermodynamic of Chirality”

17:30 **Julyan Cartwright**
Universidad de Granada, Spain
“Nonlinear dynamics of chiral asymmetry”

Wednesday, Nov 26th

9:30 **Julyan Cartwright**
Consejo Superior de Investigaciones Científicas, Spain
“Biological fluid dynamics of chiral asymmetry”

11:30 **Adán Guerrero**
Laboratorio Nacional de Microscopia Avanzada
“Is morphological asymmetry connect with molecular asymmetry?”

16:00 **Daniel Priego Espinosa**
Instituto de Ciencias Físicas, UNAM
“A quantitative model for the sperm-activating peptide Ca²⁺ Signaling network of sea urchins”

17:30 **Jorge Carneiro**
Instituto Gulbenkian, Portugal
“Decision making in unicellular and multicellular organisms”

Thursday Nov 27th

9:30 **Oreste Piro**
Departamento de Física, Universidad de las Islas Baleares, España
“On the sounds emitted by ears: Tonotopic chains of nonlinear coupled oscillators and all that ... “

11:00 **Gustavo Martínez Mekler**
Instituto de Ciencias Físicas, UNAM
“Criticality in Fertilization”

Friday, Nov 28th

9:30 **Manfred Mueller**
Colonia, Germany
“How to orchestrate a Football team”

11:00 **Markus Mueller**
Facultad de Ciencias, UAEM
“Alternation of moving Frequencies by Acoustic Stimuli”

16:30 **Luis Benet**
Instituto de Ciencias Físicas, UNAM
“Statistics of a Simple Planetary Formation Model”

Monday, Dec 1st

- 9:30 **Jordi Soriano**
Universidad de Barcelona
“Neural Cultures: from Physics to Neurological Disorders”
- 12:00 **Bruno Lara**
Facultad de Ciencias, UAEM
“Cognitive Robotics, the New Artificial Intelligence “
- 17:30 **Hernán Larralde**
Instituto de Ciencias Físicas, UNAM
“Persistent Random Walks”

Tuesday, Dec 2th

- 10:00 **Harry Swinney**
University of Texas, Austin
Distinguished Invited Lecturer
“Bacterial Swimming and Collective Dynamics”
Auditorium of the Institute of Biotechnology, UNAM, Cuernavaca
- 12:00 **Eduardo Ramos Mora**
Instituto de Energías Renovables, UNAM, Temixco
“Analysis of Mixtures in Fluids”
CIC, Auditorium, Cuernavaca

16:30 **Octavio Miramontes Vidal**
Instituto de Física, UNAM
“Scale-free exploratory behavior in termites”
CIC, Auditorium, Cuernavaca

Wednesday, Dec 3th

CIC, Auditorium, Cuernavaca

9:30 **Franco Bagnoli**
Università di Firenze
“Bipartite Model of Human Cognition”

11:30 **Raúl Rechtman**
Instituto de Energias Renovables, UNAM, Temixco
“Bifurcations in Models of Societies of Contrarians and Conformists”

16:30 **Sergio Cuevas**
Instituto de Energias Renovables, UNAM, Temixco
“Mixing and Instabilities in Magnetohydrodynamic Flows”

Thursday, Dec 4th

CIC, Auditorium, Cuernavaca

9:30 **Juergen Pahle**

BIOMS-BIOQUANT, Heidelberg, University

“Information transfer and transfer entropy”

11:30 **Maximino Aldana**

Instituto de Ciencias Físicas, UNAM

“Epigenetic inheritance of antibiotic resistance in bacteria”