

	Monday, 16 <sup>th</sup> November	Tuesday, 17 <sup>th</sup> November	Wednesday, 18 <sup>th</sup> November	Thursday, 19 <sup>th</sup> November	Friday, 20 <sup>th</sup> November
9	<b>INTERNATIONAL THEORETICAL-PRACTICAL COURSE</b> "Intracellular pathogens targeting reproductive health and newborns: molecular, cellular and immunological aspects" Registration and Opening				<b>WORKSHOP</b> "Autophagy in Viral and Bacterial Infections"
9.30	<b>Lecture:</b> "Avoiding the immune system: strategies and general mechanisms developed by intracellular pathogens" (Dr. M. Teresa Damiani-IHEM-CONICET, FCM-UNCuyo, Mendoza)	<b>Lecture:</b> "Multilayered Mechanism of CD4 Down regulation by <i>HIV-1</i> Vpu Involving Distinct ER Retention and ERAD Targeting Steps" (Dr. Javier Magadán-iHEM-CONICET, NIH, Bethesda, USA)	<b>Lecture:</b> " <i>Chlamydia</i> 4Gs: Get in, Grab and Grow, Go out " (Dr. Agathe Subtil – Pasteur Institute, Paris)	<b>Lecture:</b> "Searching of new therapies for Chagas: different ways of studying <i>Trypanosoma cruzi</i> " (Dr. Patricia Barrera-IHEM-CONICET, California State University Fullerton, USA)	<b>Lecture: 9.30-10.30 h</b> "Endoplasmic Reticulum - Plasma Membrane crosstalk during autophagosome biogenesis" (Dr. Etienne Morel - Institut Necker Enfants-Malades. Paris-Descartes University, Paris)
10.30	<b>Lecture:</b> "Galectins in infectious diseases" (Dr. Diego Croci-IBYME, Buenos Aires)	<b>Lecture:</b> "Antigen presentation of <i>Toxoplasma gondii</i> by dendritic cells" (Dr. Ignacio Cebrián – IHEM-CONICET, CPTP, Toulouse, France)	<b>Lecture:</b> " <i>Chlamydia</i> 4Gs: Get in, Grab and Grow, Go out " (Dr. Agathe Subtil-Pasteur Institute, Paris)	<b>Lecture:</b> "Novel approaches for congenital Chagas treatment" (Dr. Patricia Romano- IHEM-CONICET, Mendoza)	<b>Lecture: 10.30-11.10 h</b> "Intracellular Pathogens and Autophagy: subverting to survive" (Dr. Marisa Colombo – IHEM-CONICET, Mendoza)
11.30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break 11.10-11.30
12	<b>Lecture:</b> " Rab proteins in <i>HIV</i> infection" (Dr. Matías Ostrowski. UBA, Buenos Aires)	<b>Lecture:</b> "Immunopathology of Chagas disease" (Dr. Nestor Guerrero, CPTP, Toulouse, France)	<b>Lecture:</b> " <i>Chlamydia</i> hijacks Rab proteins as survival strategy" (Dr. M. Teresa Damiani – IHEM-CONICET, FCM-UNCuyo, Mendoza)	<b>Lecture:</b> "Natural compounds for Chagas treatment" (Dr. Miguel Sosa- IHEM-CONICET, Mendoza)	<b>Lecture: 11.30-12.30</b> "Autophagy: a stress response-Interplay between autophagy and the primary cilium" (Dr. Patrice Codogno - Institut Necker Enfants-Malades. Paris-Descartes University, Paris)
					<b>Lecture: 12.30 – 13</b> " <i>Human Cytomegalovirus</i> -induced autophagy inhibition in renal tubular epithelial cells" (Dr. Laura Delgui – IHEM-CONICET, Mendoza; Faculté de Pharmacie, Université Paris-Sud, Paris)
13	Lunch	Lunch	Lunch	Lunch	Lunch
14.30 - 19.00	<b>Student's presentations</b>	<b>Laboratory work</b>	<b>Symposium preparation under speaker's supervision</b>	<b>Laboratory work and Symposium presentation</b>	<b>Exam</b>

**CREDIT:** 50 h (with examination)

**INSCRIPCION:** send a short CV (3 pages) and a letter of intention signed by the mentor (if applies) to [meteresadamiani@gmail.com](mailto:meteresadamiani@gmail.com)

**FEE:** Theoretical-practical course \$500 (fellowships will be available depending of final funding). Lectures: free

**DEADLINE FOR APPLICATION:** October, 30 th

**PLACE:** IHEM – FACULTAD DE CIENCIAS MÉDICAS – UNIVERSIDAD NACIONAL DE CUYO

**SPEAKERS:**

Agathe Subtil (Pasteur Institute, Paris, France)

María Teresa Damiani (IHEM-CONICET, FCM, UNCuyo, Argentina)

Diego Croci (IBYME-CONICET, Buenos Aires, Argentina)

Matías Ostrowski (UBA, Buenos Aires, Argentina)

Etienne Morel (Paris Descartes University, France)

Miguel Sosa (IHEM-CONICET, Argentina)

Ignacio Cebrián (IHEM-CONICET, CPTP, Toulouse, France)

Néstor Guerrero (CPTP, Toulouse, France)

Javier Magadán (IHEM-CONICET, NIH, Bethesda, USA)

Patrice Codogno (Paris Descartes University, France)

Laura Delgui (IHEM-CONICET, Paris Sud University, France)

Patricia Barrera (IHEM-CONICET, California State University Fullerton, USA)

María Isabel Colombo (IHEM-CONICET, Argentina)

Patricia Romano (IHEM-CONICET, Argentina)

**MODALITY:**

**Lectures:** 30/45 min for presentation and 10 min for discussion.

**Student's presentations:** Each student has 10 min to present their project/results preferable in English. Up to 6 slides can be used. Presentations have to be sent by e-mail to the organizers before the initiation of the course. Supervisor: M. Teresa Damiani

**Laboratory work:** Groups will be integrated by 5 post-graduate students. The practical work will be supervised by an instructor (in Spanish). On Thursday, students will present their results preferable in English (10 min presentation and 5 min for discussion).

Group A: *Chlamydia trachomatis* detection by molecular biology (Diego Sanchez)

Group B: Evaluation of dendritic cells infected with *Toxoplasma gondii* by flow cytometry (Ignacio Cebrián)

Group C: Analysis of galectins in uninfected and infected cells (Diego Croci)

Group D: Measurement of ROS in *Trypanosoma cruzi* treated with natural compounds (Patricia Barrera)

**Symposium:** The students will prepare a Symposium based on papers, reviews or material given by the supervisor. Groups will be composed by 5 post-graduate students. On Thursday, students will present the symposium preferable in English (20 min presentation and 10 min for discussion).

Group A: Javier Magadán

Group B: Laura Delgui

Group C: Natalia Leiva

Group D: Patricia Romano