



Summer workshop

UNAM - Sorbonne Université

LANCIC | Laboratorio Nacional para la Investigación y Conservación del Patrimonio Cultural

OPUS | Observatoire des Patrimoines de l'Alliance Sorbonne Université

**Reconstructing, restoring and projecting
color from the late 19th century to the
1950s: Visual arts, archaeology of color,
exoticism, physico-chemical studies.**

August 22th to 27th

México City

Organizing Committee:

Frédérique Andry-Cazin, OPUS, SU

Ludovic Bellot-Gurlet, MONARIS, SU

Thierry Laugée, OPUS, SU

Sandra Zetina, LANCIC Instituto de Investigaciones Estéticas, UNAM

Eumelia Hernández, LANCIC Instituto de Investigaciones Estéticas, UNAM

José Luis Ruvalcaba, LANCIC Instituto de Física, UNAM

Edgar Casanova, LANCIC Instituto de Física, UNAM

Nuria Esturau, LANCIC Instituto de Química, UNAM

Baldomero Esquivel, LANCIC Instituto de Química, UNAM

Keynote speakers:

Rita Eder, emeritus, Instituto de Investigaciones Estéticas, UNAM

Renato González, Instituto de Investigaciones Estéticas, UNAM

Workshop scope

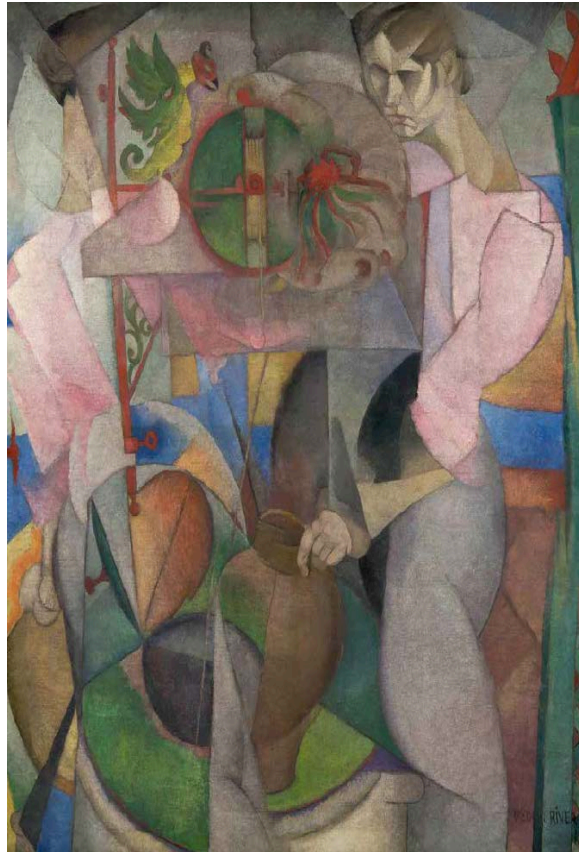
The workshop is addressed to graduate students in sciences and art history, designed as a hands-on practice at Museo Nacional de Arte for the material study of *Paisaje Zapatista*, 1915, an oil painting done by Diego Rivera in Paris. This image is probably his most important contribution to the Parisian avant-garde. The presence of a second painting on the back of the canvas, *La mujer del pozo (Woman of the well)*, adds complexity to its material analysis. In parallel, the analysis of *Frutas (Fruits)*, a small still life by Rivera from the 1917 series, will serve as a reference point to comprehend some of the formal and material experiments of synthetic cubism.

The Summer School program includes two keynote presentations about Modern art and Muralism in 20th century Mexico, and guided visits to murals in San Ildefonso, Palacio de Bellas Artes and Ciudad Universitaria to introduce students to the history and challenges of Mexican cultural heritage. The workshop intends to address the importance of Rivera's avant-garde experimentation -the use of materials, textures, color, and the expression of space- for the development of some features of Mexican muralism. A general overview will be given on nineteenth century ideas about color and its materiality.

Physics and chemistry specialists will present state-of-the-art techniques for the study of Modern cultural heritage, while students involved in art material research will give guided tours of LANCIC laboratories.

Professors and students will participate in general sessions, followed by group sessions where students with different backgrounds (chemistry, physics or applied sciences and art history or conservation) will work on the analysis of the above-mentioned paintings. Final sessions will be devoted to the presentation of some of the results and considerations based in the material study.

Some expected results of the workshops are the characterization of the materials, techniques and conservation problems of the paintings made by Rivera in Paris. Additionally, participants will gain knowledge on the possibilities and problems of scientific analysis of modern paintings by spectroscopic and chemical instrumental techniques if they come from humanities, or discussions surrounding modern art production if they belong to sciences.



Front: *Paisaje zapatista* (*Zapatista landscape*), 1915 Back: *The woman of the well* (*La mujer del pozo*)
1913

DIEGO RIVERA (1886 - 1957), *Paisaje zapatista*, 1915 (anverso), *La mujer del pozo*, 1913 (reverso), 1913 - 1915, Óleo sobre tela, Museo Nacional de Arte, INBAL

Program of Activities

Monday August 22nd

Location: campus UNAM, LANCIC UNAM IIE

9:00

Welcome coffee

Presentation of students

Sandra Zetina, IIE-UNAM

10:00-10:45

Opening

Dr. William Lee, Coordinación de la Investigación Científica, UNAM

Dra. Guadalupe Valencia, Coordinación de Humanidades, UNAM

Dr. Francisco José Trigo Tavera, Coordinación de Relaciones y Asuntos Internacionales, UNAM

Dra. Angélica Velázquez, Instituto de Investigaciones Estéticas, UNAM

Dr. Luis Demetrio Miranda, Instituto de Química, UNAM

Introduction to the seminar

Frédérique Andry-Cazin OPUS SU

Overview of the School

Material innovation and tradition of modern painting techniques in Mexico, historical and technical problems. Relationships with French painting.

Sandra Zetina, IIE UNAM

10:45-11:00

Questions and discussion

11:00-11:30

Portable spectrometric and imaging methodologies for the study of Modern painting in Mexico

Edgar Casanova, IFUNAM

11:30-11:45

Discussion

11:45-12:15

Coffee break

12:15-12:35

Raman and infrared spectroscopies for the study of colours and Modern paintings

Ludovic Bellot-Gurlet, MONARIS SU

12:35-12:45

Discussion

12:45-14:00

Presentations of works by students from France and Mexico

10 presentations, 5 minutes each.

14:10- 15:40

Lunch

15:40-16:00

Visit to LANCIC IIE Laboratory

16:00-17:00

Keynote

Mural painting in Mexico

Rita Eder, IIEUNAM

17:00- 18:30

Visit to murals of Ciudad Universitaria, UNAM

Tuesday August 23rd

Location: Auditorium, Museo Nacional de Arte, Mexico City historical center.

Welcome

Lucina Jiménez López, MUNAL

9:00-9:30

“Colorism”, the materiality of color and its effect on the viewer (XIXth century).

Thierry Laugée, OPUS SU

9:30-9:45

Discussion

9:45-10:15

Rivera cubism in Paris, its relationship with mural painting

Sandra Zetina, IIEUNAM

10:15-10:30

Discussion

10:30-11:00

Coffee break

11:00-12:00

Examination of the paintings *Paisaje zapatista, 1915* (with *La mujer del pozo, 1913, on the back*) and *Frutas, 1917*

3 groups of students

Parallel visit to the MUNAL museum

12:00-13:00

Keynote

Mural and modern painting in Mexico

Renato González, IIEUNAM

13:00-13:15

Discussion

13:15-14:15

Visit to MUNAL Modern art hall

14:15 -15:45

Lunch

16:00-18:00

Visit to murals in Palacio de Bellas Artes

Wednesday, August 24th

Location: Auditorium, Museo Nacional de Arte, Mexico City historical center.

10:00-11:00

Presentations of works by students from France and Mexico

10 presentations, 5 minutes each.

11:00-11:45

Presentation of imaging examination of Paisaje Zapatista/Mujer del pozo and Frutas, D. Rivera

Auditorium

11:45-13:15

Spectroscopic workshop in situ study: XRF, FORS and Raman on Paisaje Zapatista / Mujer del pozo and Frutas

3 groups of students

Discussion about sampling strategies

13:15-13:45

13:45-15:00

Lunch

15:30-17:00

Visit to Museo Nacional de Arte Popular

Thursday, August 25th

Location: Campus UNAM, LANCIC IQUNAM and IFUNAM

10:00

Instituto de Química, Library

Welcome

Patricia Cano, IQUNAM

10:10-11:00

Nuclear Magnetic Resonance spectroscopy and other instrumental techniques for the study of Modern Paintings

Nuria Esturau, IQUNAM

11:00-12:30

Visit to LANCIC IQ and LURMN

Visit to LANCIC IF

2 groups

12:30-13:00

Coffee break

IFUNAM Library

Welcome IFUNAM

13:00-14:00

Auditorium IFUNAM

Comparison of Paisaje Zapatista/Mujer del pozo and Frutas with other paintings by Rivera in Paris (Paisaje de Toledo y El joven de la estilográfica o El rastro)

José Luis Ruvalcaba, LANCIC IFUNAM, Nuria Esturau, LANCIC IQUNAM, Sandra Zetina, LANCIC IIEUNAM

14:00-15:30

Lunch

IFUNAM garden

16:00 -19:00

Visit to the National Museum of Anthropology

Friday, August 26th

Location: Auditorium, Museo Nacional de Arte, Mexico City historical center.

10:00-12:30

Coffee Workshop of interdisciplinary groups of students (4)

12:30-13:30

General session for the presentation of results

13:45-14:00

Closure

Carmen Gaitán Rojo, Director, Museo Nacional de Arte, INBA

Frédérique Andry-Cazin, OPUS, SU

Ludovic Bellot-Gurlet, MONARIS, SU

Thierry Laugée, OPUS, SU

José Luis Ruvalcaba, LANCIC IFUNAM

Nuria Esturau, LANCIC IQUNAM

Sandra Zetina, LANCIC IIEUNAM

14:00-16:00

Lunch

16:00-18:00

Visit to San Ildefonso, UNAM

Saturday, August 27th

Visit to Teotihuacan and Teotihuacan Mural Painting Museum