Interdisciplinary and transdisciplinary developments are one of the current priorities in research.

The GDR Aesthetic Arts & Sciences (ESARS) headed by Zoï Kapoula, Research Director at the CNRS, is a CNRS structure focused on this goal. This GDR includes many researchers, teachers and artists who push the boundaries of their disciplines and take the risk to undertake research on Art and Aesthetics.

esars.scicog.fr

Zoï Kapoula, Director of GDR and event organization

Coorganizers: Emmanuelle Volle, Julien Renoult et Moreno Andreatta

Contact mail : esars.cnrs@gmail.com
February 5, Friday

9:00 WELCOMING OF PARTICIPANTS (COFFEE)

AMPHITHEÂTRE GIROUD

9:30 OPENING SPEECH, ZOÏ KAPOULA
(CNRS, Université Paris Descartes, Paris)

10h00-12h00
SESSION 1: NEUROIMAGING – CREATIVITY AND AESTHETICS
Organizer: Emmanuelle Volle (ICM FrontLab, INSERM, Hôpital Salpêtrière, Paris)

Le cerveau créatif : perspective différentielle par Todd Lubart
The creative brain: a differential psychology perspective, Todd Lubart
The neuroscience of creative thought, Mathias Benedek (in english)
Neuroimaging of emotions, Nathalie George
Measuring connectivity networks within and between brains, Fabrizio de Vico Fallani (in english)
The Labodanse project: A novel framework for the study of physiological, cognitive and experiential intersubjective modulations during a live dance performance, Asaf Bachrach

12h00-14h00
FREE LUNCH BREAK.

ESPACE LAVOISIER: EXHIBITION OF ARTWORKS AND SCIENTIFIC POSTERS

AMPHITHEÂTRE GIROUD

14h00-16h00
SESSION 2: COGNISCIENCES AND THE NEUROPHYSIOLOGY OF AESTHETICS
Organizer: Zoï Kapoula (CNRS, Université Paris Descartes)

Hearing and painting, Alain Londero
Numerical encapsulating processes [transformations] in architectural creation, Eglantine Bigot-Doll
Physiological ocular behavior of viewers in natural conditions, Solène Kalénine
Body oscillations in viewers facing paintings and sculptures, Zoï Kapoula
The a-A question: from everyday to eternal aesthetics, Claus-Christian Carbon

16h00-18h30
COFFEE BREAK – ESPACE LAVOISIER: FLASH PRESENTATION OF POSTERS
Moderator: Jacques Sapiega

16h30-18h30
SESSION 3: MUSIC, MATHEMATICS AND BRAIN
Organizer: Moreno Andreatta (CNRS, IRCAM)

Musical friends and foes: coordinated musical behavior can communicate social intent, Jean-Julien Aucouturier
Style classification in music, Louis Bigo
Geometrical displays in music: from Tonnetz of the Spinnen model, Gilles Baroin
Neuronal music, Alain Destexhe and Luc Foubert
Study of the aesthetic emotion in the arts therapies, Edith Lecourt

19h00
CONCERT AT THE JEAN-PHILIPPE RAMEAU CONSERVATORY
3 TER RUE MABILLON, 75006 PARIS

Computer-assisted improvisation with the participation of Georges Bloch, composer and Hervé Sellin, jazz pianist. Dispositif OMAX-ImproTech [IRCAM-EHESS]
OuMUP or the workshop of potential music, Valentin Villeneuve, composer and pianist [and colleagues]. Math n Pop, Moreno Andreatta, composer and pianist [Hamiltonian songs and geometric representations]. With the participation of Gilles Baroin [mathemusician and graphic computer-scientist] and Polo [musician and singer]

February 6, Saturday

9h00 WELCOMING OF PARTICIPANTS (COFFEE)

AMPHITHEÂTRE GIROUD

9h30-12h00
SESSION 4: EVOLUTIONARY AESTHETICS (in english)
Organizer: Julien Renoult (CNRS, Université Paris 1)
Chimpanzee as artist in the lab, Dominique Lestel and Gabriela Bezerra de Melo Daly (in english)
A coevolutionary aesthetic framework, Richard O. Prum (in english)
Attractiveness of the female body, insight from art through history, Jeanne Bovet (in english)
Is the beauty honest? Michel Kreutzer (in english)
Expertise as moderator of evolutionary and coevolutionary aesthetics, Jan Verpooten (in english)

12h00-14h00
FREE LUNCH BREAK.

ESPACE LAVOISIER: EXHIBITION OF ARTWORKS AND SCIENTIFIC POSTERS

AMPHITHEÂTRE GIROUD

14h00-16h00
SESSION 5: ARTIST SESSION
ARTISTS WHO AIM AT EXPLORING THE LINKS BETWEEN ART AND SCIENCE WILL EXPLAIN THEIR ARTISTIC PROCESS AND WILL PRESENT THEIR PROJECTS
Moderators: Jean Delseaux and Zoï Kapoula

Sensory multimodality, synesthesia and heuristics: at the invisible source of creative inspiration, Vincent Mignerot
Anahata, organization of research and creation, Art, Science and Society, Delphine Fabbri-Lawson
Co-creation in arts and sciences: copyright, Claire Leroux
The post-petrol world: a new awareness and a new biological organization? Olga Kisseleva
Le grand collisionneur, Hervé Bacquet
Form as an emerging self-organization, Sophie Lavaud
Attention and surprise: the stage as a terrain for experiments, Daria Lippi
The couple, a simple machine, for a combination of movements, Pascale Weber and Jean Delseaux

16h00-17h00
COFFEE BREAK. ESPACE LAVOISIER: FLASH PRESENTATION OF ARTISTS VIDÉOS
Moderator: Jacques Sapiega

AMPHITHEÂTRE GIROUD

17h00-18h00
ROUNDTABLE: ARTS AND SCIENCES – EPISTEMOLOGY AND NEW PARADIGMS
Moderator: Zoï Kapoula
With the participation of Denis Cerclet and François Pachet

18h00
CLOSING SPEECH