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## PRESSE RELEASE

**Artist: Christophe Viau**

**Title: Genome . Mercato 0610**

**Event: Interactive video projection**

**Where: Ex Lavatoio Hall, Mercato Saraceno (FC) Italy  
Via Garibaldi, 11**

**Date: June 6th, 2010**

**Time: from 9.00 pm**

**Organisation: The Rad'Art Project – Association Artéco**

**In collaboration with: La Chambre Blanche (Québec); Image and Sound Museum in Sao Paulo, (Brazil); Association Aidoru; Municipality of Mercato Saraceno.**

The Rad'Art Project is supported by Emilia-Romagna Region and by Forlì-Cesena Province, through the 37 Regional Law.



Provincia di Forlì-Cesena

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### **Rad'Art partners**

La Chambre Blanche (Québec)  
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[PRESS RELEASE]

Addressed the **residency program for visual artists of The Rad'Art Project**, the **Artéco** association proposes an event of the Canadian artist **Christophe Viau**, to be held at the Ex Lavatoario Hall in Mercato Saraceno, Via Garibaldi 11, June 6th, 2010. Starting at 9.00 pm.

This artistic intervention provides an interactive video projection, designed specially for the occasion: **Genome. Mercato 0610 . Evolution of artificial creatures**

### **Event description**

This project **combines Visual art** and **Bio-informatics**, using algorithms based on live organisms. The proposal is to create a virtual pool full of artificial creatures changing, following a few principles that regulate evolution of life forms.

The aim is to share with the public the microscopic life forms studied by the artist that appear to come from other worlds. Participants can attend to their slow evolution.

These creatures proposed through an interactive projection come out from the same mathematical equation, but satisfying the different parameters of the "super formula of Gielis".

The collective movements of the creatures are possible through a simulation called flocking. The main goal is to show how a simple equation can offer an amazing variability of organic forms and how a simulation, responding to simple rules, can play all kinds of individual behavior.

### **Technical Description**

A device will project these geometric creatures that will change its own shape over time. Participants will interact with these creatures through the tactile surface of the computer screen.

The presentation of this project, **previewed at Mercato Saraceno**, will be the starting point of an evolutionary path that will expand in the virtual world of the web.

Likewise, the project marks the beginning of a work process who will be hosted at the **Image and Sound Museum in Sao Paulo**, Brazil, the next autumn.

This event is a part of the **Rad'Art Project** activities for the production of **web artistic projects**.

This event was possible thanks to framework agreement for the exchange of artists between The Rad'Art project and **La Chambre Blanche** - [www.chambreblanche.qc.ca](http://www.chambreblanche.qc.ca).

The presentation in Mercato Saraceno is proposed in collaboration with: Association Aidoru and the Municipality of Mercato Saraceno.

### **Brief biographical note about Christophe Viau**

Researcher in bioinformatics and professor in Technological Arts, this artist from Québec, creates with his work a bridge between geometry and biology.

In 2009 was presented in Saussignac castle in the Dordogne, a work about Harmonic Spheres.

In its artistic and technological research, Viau creates interactive works based on multi tactile surfaces or screens.

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The project «Produit sphérique» explores the complexity of the Geometry on sculpture and technologies from geometric shapes generated with the help of the “super formula of Gielis”. These geometric shapes evolve in relation to a noise detection of the exhibition space.



The "reactive table" allows you to interact with the project. Image from the project “Spherical harmonics”