

# Rossana Serpe

Department of Neuroscience, Biomedicine and Movement Science

University of Verona

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## CURRENT POSITION

### Post-doctoral fellow

Department of Neuroscience, Biomedicine and Movement Sciences

Section of Physiology and Psychology

University of Verona

Research supervisor : **Dr. Leonardo Chelazzi**

## EDUCATION

### 2018 - PhD in Biology (specialty in Neuroscience)

University of Paris-Sud (Paris-Saclay)

*Thesis:* Identification of clock neurons and downstream circuits that are involved in sleep control in *Drosophila melanogaster*.

CNRS Centre Nationale de la Recherche Scientifique

Institut des Neurosciences Paris-Saclay (Neuro-PSI)

1 Av. de la Terrasse, 91190 Gif-sur-Yvette

France

Research supervisor : **Dr. François Rouyer**

### 2013 - MSc in Molecular Biology

University of Padua

*Thesis:* Role of the synaptic protein SAP47 in regulation of sleep and circadian clock in the fruit fly *Drosophila melanogaster*.

Internship (Erasmus program) at Department of Neurobiology and Genetics (Biozentrum)

University of Julius-Maximilians (JMU)

Würzburg (DE)

Research supervisor : **Prof. Dr. Charlotte Helfrich-Föster**

### **2011 - BSc in Molecular Biology**

University of Padua

*Thesis:* Morphological characterization of a subpopulation of interneurons expressing somatostatin in the cortex of FHM1 knock-in mice.

Neurobiology, Department of Experimental Biomedical Sciences

Research supervisor : **Prof. Daniela Pietrobon**

### **PROFESSIONAL EXPERIENCES**

**November 2013- August 2018:** Laboratory Research

Nov 2013 - Nov 2016: **Marie Curie ITN fellow** (PhD student)

Dec 2016 - Dec 2017: Research Engineer in Biology

**CNRS** Centre Nationale de la Recherche Scientifique

Institute of Neuroscience Paris-Saclay (Neuro-PSI)

1, Avenue de la terrasse

Bâtiment 32

91190 Gif-sur-Yvette

FRANCE

Research supervisor : **Dr. François Rouyer**

University of Paris-Saclay

**March 2013- September 2013:** Master student (Erasmus program)

Internship in Neurogenetics

University of Julius-Maximilians (JMU)

Würzburg (DE)

**2009-2010:** Bachelor student

Internship in Neurogenetics

University of Padua (Italy)

## **ACCADEMIC FELLOWSHIPS/AWARDS**

**2013 – 2016** ESRs “Early Stage Researchers” fellowship by **Marie Curie Initial Training Network** (‘INsecTIME’ project)

## **SKILLS**

**TECHNICAL** - Genetic manipulation in *Drosophila melanogaster* (behavior, physiology)

Behavioral analysis

Immunohistochemistry (IHC)

Genetics

Physiology (*ex-vivo* Ca<sup>2+</sup> imaging)

Molecular biology techniques (PCR, Western Blot)

Good knowledge of Microsoft Office: Microsoft Word, Power Point and Excel

**LINGUISTIC** - Italian (mother tongue)

English

French (basic)

## **COURSES and CONFERENCES ATTENDED**

Courses attended as part of the INsecTIME Marie Curie Initial Training Network program (<http://insectime.org>), from 2013 to 2016:

Comparative Clocks, Molecular population and evolutionary genetics, Advanced Neurobiology, Mathematical modelling, Medical and agricultural implications, Insects behavior, Statistics and bioinformatics, Life history and climate change.

Business and entrepreneurship courses attended as part of the INsecTIME Marie Curie Initial Training Network program (<http://insectime.org>), from 2013 to 2016:

Project management, Business in Science, Entrepreneurship, Publish and disseminate, Career

planning, Science and policy within the EC and grant writing.

Club de Neurobiologie des Invertébrés, CNRS Gif-sur-Yvette (10-12 June 2015)

The Neuroscience Workshop Saclay (NeWS): “Neural circuits and behavior: from cells to connectivity and function”, Gif-sur-Yvette (8-9 June 2017)

Training course C.I.R.S.A.L. (Centro Interdipartimentale di Servizio alla Ricerca Sperimentale) at University of Verona (17-10-2018, with certificate)

The workshop “New advances in Neuromodulation”, Verona, 18-10-2018

## **CONFERENCE PRESENTATION**

Talks and posters presented in the conferences organized by INsecTIME Marie Curie Initial Training Network program (<http://insectime.org>), from 2013 to 2016 in:

CNRS, Gif-sur-Yvette, France (11-17 Nov 2013)

Leicester University, UK (5-11 June 2014)

Groningen University, NL (26-30 Jan 2015)

Ein Gedi, Israel (2-11 Nov 2015)

Krakow University, Poland (12-17 Sep 2016)

Würzburg University, Germany (17-18 Feb 2017)

Poster presentations in Doctoral School Day: Ecole Doctorale BioSigne, University Paris-SUD (2015, 2017)

A talk in Doctoral School Day: Ecole Doctorale BioSigne, University Paris-SUD (2016)

Poster presentation at the Cold Spring Harbor (CSHL) meeting, NY (USA): “Neurobiology of *Drosophila*”, 2017

A talk at Seminar NeuroPSI (CNRS): “Sleep inhibition by a subset of DN1p clock neurons reveals different circuits for day- time and night-time sleep” (2018)

A talk at University of Verona (organized by Dr. Chelazzi): “Studying sleep in *Drosophila*: from neurons to behavior” (2018)

## **PUBLICATIONS**

Conference book at the “Cold Spring Harbor meeting: Neurobiology of *Drosophila*”, 2017

*Manuscript in prep*: Sleep inhibition by a subset of DN1p clock neurons reveals different circuits for day- time and night-time sleep

Rossana Serpe<sup>1</sup>, G. Farkouh<sup>1</sup>, A. Chatterjee<sup>1</sup>, B. Martin<sup>1</sup>, Fumika N. Hamada<sup>2</sup>, Paul H. Taghert<sup>3</sup> and F. Rouyer<sup>1</sup>

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## REFERENCES

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Dr. François Rouyer.

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Prof. Dr. Charlotte Helfrich-Föster.

E-mail : [charlotte.foerster@biozentrum.uni-wuerzburg.de](mailto:charlotte.foerster@biozentrum.uni-wuerzburg.de)

Dr. Pamela Menegazzi.

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