

# Models in Genetic Disease Research

Organized in collaboration with Université de Paris Cité

All the seminars will be held in the Fiore di Botta Building  
(Via del Pescarotto, 8)  
**Room C Second Floor**

*Coordinator: Mauro A. Zordan*

## Monday 21st October 2024

- **9.30-10:30** Carlo Viscomi:  
Dept. of Biology & Dept. of Biomedical Sciences, Univ. of Padova  
*carlo.viscomi@unipd.it*  
**Mitochondrial diseases from models to therapies**

### 10:30-11:00 Coffee Break

- **11.00-12:00** Massimo Mezzavilla:  
Dept. of Biology, Univ. of Padova  
*massimo.mezzavilla@unipd.it*  
**Thrifty Gene hypothesis and directional selection in past and present human populations**

### 12:00-14:30 Lunch

- **14.30-15:30** Mauro A. Zordan:  
Dept. of Biology, Univ. of Padova  
*mauroagostino.zordan@unipd.it*  
**Behave Yourself!**  
*DIY solutions to behavioural analysis*

### 15:30-16:00 Coffee Break

- **16.00-17:00** Salvatore Novello:  
Dept. of Biology, Univ. of Padova  
*salvatore.novello@unipd.it*  
**Alpha-synuclein aggregation in Parkinson's Disease: from Molecular Pathways to Therapies**

## Tuesday 22nd October 2024

- **9.30-10:30** Marco dal Maschio:  
Dept. of Biomedical Sciences, Univ. of Padova  
*marco.dalmaschio@unipd.it*  
**From brain activity to functional neuronal architectures, an integrated framework to investigate circuit mechanisms**

### 10:30-11:00 Coffee Break

- **11.00-12:00** Graziano Martello:  
Dept. of Biology, Univ. of Padova  
*graziano.martello@unipd.it*  
**Applications of pluripotent stem cells in neurodegenerative diseases**

### 12:00-14:30 Lunch

- **14.30-15:30** Daniele Ottaviani:  
Dept. of Biology, Univ. of Padova  
*daniele.ottaviani@unipd.it*  
**Human induced pluripotent stem cell models of the retina and the heart.**

### 15:30-16:00 Coffee Break

Free Afternoon

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## Wednesday 23rd October 2024

- **9.30-10:30** Rosa Manzoli:  
Dept. of Molecular Medicine, Univ. of Padova  
*rosa.manzoli@unipd.it*  
**Little Fish Makes Big Impact: Zebrafish as a model for genetic disorders**

### 10:30-11:00 Coffee Break

- **11.00-12:00** Riccardo Filadi:  
Dept. of Biomedical Sciences, Univ. of Padova  
*riccardo.filadi@unipd.it*  
**Studying cellular signalling in health and disease: strategies to design genetically encoded fluorescent reporters**

### 12:00-14:30 Lunch

- **14.30-17:00** Guided Visit to:  
**The Museum of History of Medicine in Padova**  
<https://www.musme.it/en/>  
Via San Francesco, 94 (35121, Padova)

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## Thursday 24th October 2024

- **8.30-11:30**  
**Seminars by French and Italian Students**

### 12:00-14:30 Lunch

- **14.30-17:00**  
**Seminars by French and Italian Students**

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## The exam

will be held in **Room C Second floor Fiore di Botta Building** on **Friday October 25th**, and will consist in reading a scientific paper dealing with the subject exposed in one of the above seminars and, on the basis of the paper's content, writing an abstract, which for the occasion, will have been concealed from the original paper.