# JUMBO Joint PhD Program in Molecular Biology

## Lesson series in Structural and Molecular Biology, Genomics and Epigenomics

### University of Udine, December 5-7 2018

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|  | | **Wednesday**  **December 5, 2018** | **Thursday**  **December 6, 2018** | **Friday**  **December 7, 2018** |
| Room | | Sala dei Cavalli | P.le Kolbe (Seminar Room) | Sala dei Cavalli |
| 8:30 | 9:30 | Structural Biology and Protein Folding (AC) |  |  |
| 9:30 | 10:30 | Seminars in Cellular and Molecular Biology  (invited speakers)\* | Next Generation Sequencing and applications: a revolution in biology  (MM) |
| 10:30 | 11:30 |
| 11:30 | 12:30 | Next Generation Sequencing and applications: RNA-seq analysis  (FM) |
| 12:30 | 13:30 |  |
| 13:30 | 14:30 | Lunch | Lunch |
| 14:30 | 15:30 | Seminars in Cellular and Molecular Biology  (GLC)\* | Experimental and computational methods for genome editing (EDP) |
| 15:30 | 16:30 |
| 16:30 | 17:30 |
| 17:30 | 18:30 |
| Room | | Sala dei Cavalli | Sala dei Cavalli | Sala dei Cavalli |

**AC**: Prof. Alessandra Corazza; **EDP**: Dr. Emanuele De Paoli; **FM**: Dr. Fabio Marroni **MM**: Prof. Michele Morgante. **GLC**: Prof. Gian Luca Colussi.

**Venue**: Università degli Studi di Udine, via delle Scienze 206, 33100 Udine.

\***Seminars in Cellular and Molecular Biology**

Unexpected roles of mTORC2 in keratinocyte stress response and melanoma progression (Enzo Calautti, Molecular Biotechnology Center University of Torino)

Implication of deregulated proteostasis and phase separation in age-related neurodegenerative diseases (Serena Carra, Department of Biomedical, Metabolic and Neural Sciences, Department of excellence University of Modena e Reggio Emilia)

Melanoma cell strategies to overcome drug-induced cell death (Marco Corazzari, Department of Health Sciences, University of Piemonte Orientale "A. Avogadro")

Exploring the emerging role of transposable elements in the animal nervous system (Remo Sanges, Computational Genomics Laboratory Neuroscience SISSA Trieste).

Molecular regulation of mineralocorticoids secretion: from mechanisms to the physiopathology of cardiometabolic disorders (Prof. Gian Luca Colussi, Department of Biomedical Sciences, University of Udine)