

9.15 – 9.30 **Welcome and introduction: Paola Viani, Director**

**9.30 – 10.45 ONCOLOGY AND IMMUNOLOGY**

Bevilacqua A. - *“Antiproliferative and pro-apoptotic activity of melatonin analogues on melanoma and breast cancer cells”*

Bruni E. - *“The role of tissue-resident  $\gamma\delta$ -T cells in the pathogenesis of human liver cancer”*

Cortese N. - *“Exploring neuro-immune networks in colo-rectal cancer”*

D’Oria C. - *“Dissecting the dynamic interplay between colorectal cancer and T regulatory cells by exploiting the organoid models”*

Setten E. - *“Macrophages characterization in hypoxic condition related to interstitial fibrosis and tubular atrophy in renal allograft rejection”*

10.45 – 11.00 **Promega presentation**

11.00 – 11.30 **Coffee break**

**11.30 – 12.45 MOLECULAR MECHANISMS OF DISEASES**

Fazzari M. - *“PTC suppression strategy in CDKL5 related disorders: analyzing the feasibility of a “personalized” medicine approach”*

Longaretti A. - *“Synapse to nucleus cross-talk and its effect on IEG transactivation in response to stress”*

Mancini G. - *“Role of ganglioside GM1 on CFTR stabilization at plasma membrane: a new challenge for the cystic fibrosis therapy”*

Rossetti A. C. - *“Role of neuroinflammation in stress-vulnerability and resilience: implication for psychiatric disorders”*

Ruocco C. - *“Amino acid replacement of dietary protein promotes thermogenesis and energy expenditure in different models of obesity”*

12.45 – 14.30 **Lunch and Poster session**

**14.30 – 15.30 Plenary lecture: Paola Palanza (Università di Parma)**

*“Why human evolution should be a basic science for medicine students”*

**15.30 – 16.15 METHODS AND TECHNOLOGIES**

Di Cola E. - *“Understanding barrier function in biological networks”*

Morelli L. - *“Synthesis of Streptococcus pneumoniae 19A capsular polysaccharide fragments and their biological evaluation”*

Nava G. - *“Micromechanical properties of DNA networks measured by a novel microfluidic tool”*

**16.15 – 17.00 TRANSLATIONAL MEDICINE**

Barbera F. - *“Tuberous/stenotic breast malformation and its reconstructive surgical correction: epidemiology and new classification system”*

Ceribelli A. - *“Epigenetics and proteomics of psoriasis and psoriatic arthritis in monozygotic twins”*

Coggi D. - *“Brachial artery diameter as a marker of subclinical atherosclerosis: gender differences in the association with risk factors and cardiovascular disease”*

17.00 – 17.30 **Best talk and best poster awards**