



Prion and prion-like neurodegenerative disorders

Summer School 2015

PROGRAM

***Aula Verde R. Coroneo
Cittadella dei Musei***

Monday August 31

Morning

9.00-9.30

Welcome and introduction to the **Summer School** (Pani-Zanusso)

9.30-10.30

G. Zanusso: *The fascination of prion diseases*

10.30-11.30

S. Ferrari: *Neuropathology of prion diseases*

11.30-12.00 Coffe break

12.00-14.00

G. Legname: *Molecular biology of prion diseases*

14.00 Lunch (Cittadella dei Musei)

Afternoon

15.00-16.00

G. Legname: *Structural biology of prions*

16.00-17.00

F. Cardone: *Therapeutic approaches to prion diseases*

17.00-17.30 Coffe break

17.30-18.30

V. Vetrugno: *Is there a risk of prion diseases transmission for humans by blood and blood-derivatives? A look back, a look forward*



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Tuesday September 1

Morning

9.00-10.00

S. Ferrari: *Neuropathology of prion-like neurodegenerative diseases*

10.00-11.00

G. Zanusso: *The involvement of the olfactory system in prion and prion-like diseases*

11.00-12.00

C. Ligios: *The transmissible and contagious spongiform encephalopathies in domestic and wild animals*

12.00-12.30 Coffe break

12.30-13.30

L. Capucci: *Suddenly BSE: experiences and considerations from the diagnostic laboratories*

13.30-14.30

D. Meloni: *BSE and scrapie active surveillance*

14.30 Bus to Chia and lunch on the beach

Afternoon

Scientific swims at Chia

Wednesday September 2

Morning

9.30-11.30

M. Pocchiari: *Critical review of epidemiological studies of human prion diseases*

11.30-12.00 Coffe break

12.00-13.00

G. Cossu: *Update on the prion-like hypothesis of Parkinson*

13.00-14.00

G. Legname: *Alpha-synuclein aggregation and spreading in vitro and in vivo*

14.00 Lunch (Cittadella dei Musei)

Afternoon

15.00-16.00

A. Pani: *Lipid alterations in CNS and peripheral tissue in prion and prion-like disorders*



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16.00- 17.00

A.Mandas: *Neutral lipids accumulation in lymphomonocytes: a surrogate marker of neurodegeneration in HIV-infection?*

17.00-17.30 Coffe break

17.30-18.30

M. Fiorini: *Analysis and biochemical characterization of prion and prion-like diseases*

Thursday September 3

Morning

9.30-11.30

G. Legname: *Physiology of mammalian prion proteins*

11.30-12.00 Coffe break

12.00-13.00

F. Cardone: *Aggregates, fibrils and plaques: the dark side of proteins or evolutionary mechanism?*

13.00-14.00

G. Zanusso: *Molecular and clinical phenotypes in the fronto-temporal dementias*

14.00 Lunch (Cittadella dei Musei)

Afternoon

15.00-16.00

G. Legname: *Strain-specified synthetic prions*

16.00-17.00

M. Puopolo: *Methodological issues in epidemiological and clinical studies in prion diseases*

17.00-17.30 Coffe break

17.30-18.30

M. Fiorini: *The laboratory in molecular diagnostics of neurodegenerative diseases*

Friday September 4

Full day

10.00-19.00 Cala Sinzias (Villasimius)

21.00 Farewell pizza

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