

# PROGRAM

## September 7

- 10.00-15.30 REGISTRATION
- 15.30-16.00 OPENING CEREMONY
- 16.00-17.00 **Robert Feulgen Lecture**  
D. Hernandez-Verdun: *The happy story of the nucleolus*
- 17.00-17.30 *Coffee break*
- 17.30-18.30 **Session 1. Cell cycle alteration and death**  
*Chair: D. Hernandez-Verdun, B. Mignotte*
- B. Mignotte: *p53 and Retinoblastoma protein (pRb) at the interface between cell cycle and cell death (European Journal of Histochemistry Lecture)*
- A. Krumbholz, R. Zell, A. Eitner, H. Oehring, R. Krieg, K.J. Halbhuber, P. Wutzler: *Mitochondrial localisation of pro-apoptotic PB1-F2 of porcine influenza A viruses*
- O. Cazzalini, P. Perucca, M. Savio, L.A. Stivala, A.I. Scovassi, E. Prosperi: *DNA damage response: multiple roles for p21CDKN1A protein*
- 20.00-22.00 WELCOME PARTY & DINNER

## September 8

- 9.00-10.45 **Session 2. Cell damage induction and repair: nucleus**  
*Chair: K. Smetana, A. von Mikecz*
- A. Von Mikecz: *The nuclear response to damage: DNA repair and quality control by the ubiquitin-proteasome system*
- L. Janderová-Rossmeislová, Z. Nováková, J. Vlasáková, P. Hozák, Z. Hodný: *PML protein association with specific nucleolar structures differs in normal, tumor and senescent human cells*
- T.D. Rockel, A. von Mikecz: *DNA double-strand break repair and the involvement of the nuclear ubiquitin-proteasome-system (nUPS)*
- A.L. Kleschyov, S. Strand, S. Schmitt, D. Gottfried, M. Skatchkov, N. Sjakste, A. Daiber, V. Umansky, T. Münzel: *Dinitrosyl-iron triggered apoptosis in Jurkat cells is insensitive to overexpression of Bcl-2*
- B. Püschel, T. Reupke, P. Schwartz, C. Viebahn: *Live cell imaging and single cell ablation in living rabbit blastocysts using two-photon laser microscopy*
- M.J. Coronado, N. Chakrabarti, J. Cortés-Eslava, M.C. Risueño, P.S. Testillano: *Stress-induced PCD in plant cells involves apoptotic nuclear domain rearrangements and expression of caspase 3-like proteins*
- 10.45-11.15 *Coffee break*

- 11.15-12.30      **Session 3. Cell damage induction and repair: cell membrane and cytoplasm**  
 Chair: C. van Noorden, A. Pompella
- A. Pompella: *Production, detection and interpretation of cell injury data*  
 P. de Lanerolle, L. Gu, W.Y. Hu: *Inhibiting myosin light chain kinase induces apoptosis and synergizes with etoposide to inhibit the growth of breast tumors in mice*  
 W. Widlak, N. Vydra, E. Malusecka, B. Winiarski, P. Widlak: *Active HSF1 down-regulates spermatocyte-specific HSP70.2 protein and induces HSP70i-resistant apoptosis in male germ cells*  
 K. van Nierop, F.J. Muller, C.J.F. Van Noorden, M.C. van Eijk, C. de Groot: *Lysosomal destabilization contributes to apoptosis of germinal center B-lymphocytes*
- 13.00-14.30      *Lunch*
- 14.30-16.00      **POSTER SESSION**
- 16.00-16.30      *Coffee break*
- 16.30-17.45      **Lectures of the Robert Feulgen Prize Winners**  
 Chair: F. Wachtler
- M. Nilsson: *Genotyping single DNA molecules in situ*  
 P.J. Verschure, J. Mateos-Langerak, M.C. Brink, W. de Leeuw, S. Fakan, A.S. Belmont, R. van Driel: *Functional chromosome organization in the interphase nucleus: epigenetic gene control*
- 18.00              SOCIETY MEETING

## September 9

- 9.00-10.30      **Session 4. Molecular tracing in dying cells**  
 Chair: P. de Lanerolle, M.R. Duchon
- M.R. Duchon: *Illuminating routes to cell death with live cell imaging (Apoptosis Lecture)*  
 S. Burattini, P. Ferri, M. Battistelli, A. D'Emilio, L. Biagiotti, E. Falcieri: *DNA fragmentation patterns during differently triggered apoptosis*  
 I. Paschkunova-Martic, B. Stark, M. Stollenwerk, C. Kremser, H. Talasz, E. Soelder, B. Hugl, H. Dietrich, K. Albrecht, F. Föger, B. Keppler, W. Jaschke, R. Prassl, P. Debbage: *Two nanoparticulate contrast agents for magnetic resonance imaging: characterisation and evaluation*  
 M.T. Olea, T. Nagata: *Radioautographic study on the localization of <sup>3</sup>H-thymidine in bone marrow cells*  
 A.C. Croce, U. De Simone, A. Ferrigno, M.P. Vairetti, I. Freitas, G. Bottiroli: *Autofluorescence as a parameter for metabolism impairment evaluation in liver tissue*
- 10.30-11.00      *Coffee break*

11.00-13.00

**Session 5. Phagocytosis of apoptotic cells**

*Chair: A.A. Manfredi, C. Godson*

- C. Godson: Taking insult from injury: Phagocytosis of apoptotic cells and the resolution of inflammation*
- L. Ballarin: Recognition and clearance of apoptotic cells in colonial ascidians*
- D. Krysko: Mechanisms of recognition and internalization of apoptotic and necrotic cells*
- L. Dini: Environment: adding further complexity to the apoptotic cell recognition scenario*

13.00-14.30

*Lunch*

14.30-16.15

**Session 6. Cell damage and death in pathology**

*Chair: G. Losa, S. Muller*

- S. Muller: Post-translational modifications, apoptosis and autoimmunity*
- A.A. Manfredi, P. Rovere-Querini: Immune outcomes of apoptotic cell clearance in health and disease*
- I. Mylonas, J. Vogl, C. Kuhn, S. Schulze, U. Jeschke, K. Friese: Inhibin/activin subunits are immunohistochemically expressed in complete and partial hydatidiform moles*
- I. Freitas, S. Fracchiolla, R. Vaccarone, G. Milanesi, G.F. Baronzio, S. Barni, G. Gerzeli: Lobular-zone dependent expression of alpha-fetoprotein in the liver of MMTV-neu (erbB-2) mice*
- A. Tinari, E. Mormone P. Matarrese, M.G. Farrace, M. Piacentini, W. Malorni: Self- and xeno-cannibalism in heterozygous and homozygous lymphoblasts from patients with Huntington disease*

16.15-16.45

*Coffee break*

16.45-18.15

**Session 7. Life needs death during development and differentiation**

*Chair: I. Mylonas, Z. Zakeri*

- Z. Zakeri: Cell death in shaping the embryo: a role for cell cycle genes (Histochemistry and Cell Biology Lecture)*
- P. González-Melendi, M.J. Coronado, C. López-Iglesias, P.S. Testillano, M. C. Risueño: Epigenetic marks of chromatin remodelling in microspore-derived embryogenesis: reprogramming vs. death*
- F. Cima: Cyclic apoptosis in the digestive tract of a protochordate*
- A. Erman, K. Jezernik: Urothelial cell desquamation during the mouse urinary bladder development*
- D. Märker, C. Tag, M. Wimmer: PTP interacting protein 51 in eye development during mouse embryogenesis*

18.30

CLOSING CEREMONY

SOCIAL DINNER

**September 10**

*Breakfast and departure*