

Programme

18th European Testis Workshop

Elsinore, Denmark, 13-17 May 2014

Tuesday, 13 May 2014

Afternoon: Arrival and registration

17:00 Welcome Ewa Rajpert-De Meyts

17:15 – 18:50 Symposium I

Germ cell specification and gonadal sex differentiation

Chairpersons: Ewa Rajpert-De Meyts and Gabriel Livera

17:15 – 17:55

Hubert Schorle (Bonn, Germany): *Germ cell specification from pluripotent inner cell mass*

17:55 – 18:35

David Zarkower (Minneapolis, USA): *DMRT1 in gonadal cell fate specification and maintenance*

18:35 – 18:50

Maëva Elzaïat, Luc Jouneau, Dominique Thépot, Christophe Klopp, Aurélie Allais-Bonnet, Cédric Cabau, Marjolaine André, Stéphane Chaffaux, Edmond Cribiu, Eric Pailhoux and Maëlle Pannetier (France): *DMRT1 turns on testicular differentiation during XX sex-reversal in the goat (miniposter 1)*

19:00 Dinner

Programme

Wednesday, 14 May 2014

08:45 - 10:45 Symposium II

Early testis development and endocrine disruption

Chairpersons: Serge Nef and Anders Juul

8:45 – 9:15

Brigitte Boizet-Bonhoure (Montpellier, France): *The role of prostaglandin pathway in testis differentiation*

9:15 – 9:45

Patrick Western (Melbourne, Australia): *TGF beta signalling in germ cell development*

9:45 – 10:00

Pierre Calvel, Patrick Callier, Armine Matevossian, Periklis Makrythanasis, Hiroshi Kurosaka, Christel Thauvin-Robinet, Pascal Bernard, Christelle Borel, Séverine Mazaud-Guittot, Antoine Rolland, Christèle Desdoits-Lethimonier, Michel Guipponi, Céline Zimmermann, Françoise Kuhne, Béatrice Conne, Federico Santoni, Anne Vannier, Sandy Lambert, Frederic Huet, Laurence Faivre, Dagmar Wilhelm, Bernard Jégou, Paul, A. Trainor, Marilyn D. Resh, Stylianos E. Antonarakis¹, Serge Nef. (a multicentre study): *A new role for HHAT in sex determination and testicular function (miniposter 2)*

10:00 – 10:30

Ieuan Hughes (Cambridge, UK): *Anogenital distance in humans – does it reflect testis function during development?*

10:30 – 10:45

Shanna H. Swan, S Sathyanarayana, ES Barrett, S Janssen, F Liu, RHN Nguyen, JB Redmon and the TIDES Study Team (New York, NY, USA): *Phthalate exposure in the 1st but not 2nd and 3rd trimester is linked to shorter anogenital distance in newborn boys.*

10:45 Coffee/Tea

Programme

Wednesday continued

11:15 - 12:10 **Plenary Poster Session: Sex differentiation and fetal testis development**

Chairpersons: Serge Nef and Terje Svingen

3. Elodie Grégoire, Chassot AA, Pauper E, Gillot I, Chaboissier MC: *Nrg1 is involved in testis cord formation during embryogenesis.*
4. Verónica Díaz-Hernández and Merchant-Larios Horacio: *Retinoc acid signaling, meiosis entry and mitotic arrest in perinatal rabbit gonad.*
5. Anne Jørgensen, Julia Young, John E. Nielsen, Ulla Nordström Joensen, Birgitte Grønkær Toft, Signe Perlman, Lene Lundvall, Anders Juul, Kate L. Loveland and Ewa Rajpert-De Meyts: *Hanging drop cultures of adult and fetal human testis: a model to investigate treatment effects in a preserved niche.*
6. Joni Macdonald, Smith, L.B., Mitchell, R.T: *Temporal expression profile of LHCGR in the human fetal testis.*
7. Peter O'Shaughnessy, Ana Monteiro, Siladitya Bhattacharya, Margaret Fraser and Paul Fowler: *Backdoor androgen synthesis in the human fetal testis.*
8. Fei Wang, Hui Tian¹, Guo-dong Huang, Fei Sun: *Nucleo-cytoplasmic interaction leads to maternally inherited Kallmann syndrome.*

12:15 Lunch

13:30 - 15:00 Symposium III

Environmental impact on testis development and function

Chairpersons: Olle Söder and Niels E. Skakkebaek

13:30 – 14:00

Katharina Main (Copenhagen, Denmark): *Environmental impact on testis development in human infants*

14:00 – 14:30

Rod Mitchell (Edinburgh, UK): *Effects of selected endocrine disruptors on testis development*

14:30 – 14:45

Isabel V. Wagner, Nora Klötting, Luise Landreh, Wieland Kiess³, Olle Söder, Konstantin Svechnikov (Stockholm, Sweden & Leipzig, Germany): *Influence of pubertal obesity on male reproductive parameters and androgenic status in rats (miniposter 9)*

Programme

Wednesday continued

14:45 – 15:10

Christian Schiffer (Bonn, Germany): *Direct effects of endocrine disruptors on human sperm function*

15:10 Coffee/Tea

15:40 - 19:00 Plenary Poster Session: Hormone Action, Endocrine Disruption and Toxicology

Chairpersons: Richard Sharpe and Jorma Toppari

- Endocrine disruption including obesity

10. Karen Kilcoyne, Lee B Smith, Matthew Jobling, Chris McKinnell, Sander van der Driesche, Richard A Anderson, Richard M Sharpe: *Altered androgen action during fetal life in the rat affects adult Leydig cell function.*
11. Iuliia Savchuk, Olle Söder, Konstantin Svechnikov: *Genotype- and age-dependent differences in androgen production by mouse Leydig cells in response to mono-phthalates in vitro.*
12. Kristin Hennig, Jean-Philippe Antignac, Marie-Line Morvan, Bruno le Bizec: *Assessing steroid hormone perturbations induced by environmental endocrine disruptors: the mass spectrometric analytical approaches.*
13. Ben Maamar M., Lesné L., Desdoits-Lethimonier C., Coiffec I., Lavoué V., Dejuçq-Rainsford N., Mazaud-Guittot S., Jégou B.: *Effects of Bisphenol A on the rat and human fetal testis.*
13. A. Desdoits-Lethimonier C., Albert O, Lesné L, Mathieu R, Bensalah K, Malledant Y, Platel C, Dejuçq-Rainsford N & Jégou B.: *Ibuprofen disrupts hormonal production by the human adult testis.*
14. Soria Eladak, T. Grisin, D. Moison, M.J. Guerquin A. Benachi, G. Livera, V. Rouiller-Fabre, R. Habert: *Bisphenol S and bisphenol F are not safe bisphenol A substitutes.*
15. Vanessa Brouard, Hélène Bouraima-Lelong and Christelle Delalande: *Impact of Bisphenol A and Estradiol on spermatogenesis's establishment.*
16. Eva Zatecka, Castillo J., Elzeinova F., Kubatova A., Ded L., Peknicova J., Oliva R.: *The effect of tetrabromobisphenol A on protamine content and DNA integrity in mouse sperm.*
17. Pavla Dostalova, Ded L., Dosrosh A., Elzeinova F., Peknicova J.: *Estrogen receptor β in male mice.*
18. Małgorzata Kotula-Balak, Katarzyna Chojnacka, Katarzyna Andryka and Barbara Bilińska: *Disruption of estrogen signaling in bank vole Leydig cells. Effect of octylphenol.*
19. Anna Hejmej, Ewelina Górowska, Kamila Pietruszka and Barbara Bilińska: *Xenoestrogen-induced changes in connexin 43 expression in bank vole testes are dependent on photoperiod.*
20. Saloni H. Patel, Laura Milne, Stuart Forbes, Lee B. Smith: *Tamoxifen inducible Cre systems: Adverse effects of low dose Tamoxifen treatments on the male reproductive tract.*
21. Constanze Christin Maresch, Linn T., Wenzel U., Hedger M.P., de Kretser D.M.: *Diabetes and male Infertility - Glycation adducts in sperm and activin regulation of inflammation induced by diabetes.*

Programme

Wednesday continued

22. Portela, Tavares RS, Sousa MI Mota PC, Ramalho-Santos J, Amaral Sandra: *How do high glucose levels influence the spermatogenic process?*
23. Tavares RS, Portela J, Ramalho-Santos J, Amaral Sandra: *Does hyperglycaemia affect human spermatozoa in vitro?*
24. Jorunn M. Andersen, Kristel Ehala-Aleksejev, Oliwia Witczak, Hilde Hering, Tom Mala, Jøran Hjelmæsæth, Margus Punab, Trine B. Haugen: *Effect of gastric bypass on male reproductive parameters.*

Short Break: 10 minutes

- **Toxicology, cytotoxicity and protection of germ cells**

25. Linus Kvist, Aleksander Giwercman, Yvonne Lundberg Giwercman: *The effect of the cigarette smoke constituent Benzo[a]Pyrene on the androgen receptor activity in vitro.*
26. Paul B. Comish, Ana Luiza Drumond, Hazel L. Kinnell, Richard A. Anderson, Angabin Matin, Marvin L. Meistrich, Gunapala Shetty: *Fetal Cyclophosphamide Exposure Reduces Spermatogenesis and Depletes Ovarian Follicular Reserve in Mice.*
27. Orit Karpel, Bat-Chen Amanu, Jenny Rechkin, Esther Haber, Eitan Lunenfeld, Mahmoud Huleihel: *Effect of cyclophosphamide on VASA and SALL4 positive cells in seminiferous tubules of adults and immature mice.*
28. Stepanovsky A., Mahmoud Huleihel, Eitan Lunenfeld: *Effect of Busulfan on Spermatogenesis of Immature Mice.*
29. Khaled Habas, Anderson D, Brinkworth MH: *Germ Cell Responses to Doxorubicin Exposure In Vitro.*
30. Jenny Eltsofin Rechkin, Orit Karpel, Esther Piltcher Haber, Eitan Lunenfeld, Mahmoud Huleihel: *Total body irradiation distinctly affected the expression levels of mouse premeiotic markers and testicular growth factors.*
31. Ahmed Reda, Karin Reuter, Kristin Rós Kjartansdóttir, Valentina Pampanini, Mi Hou, Olle Söder, Jan-Bernd Stukenborg: *Effects of culture media and storage conditions on gene expression and steroidogenesis by rat testicular tissue.*
32. Eduardo Bustos-Obregón, Roberto Catriao, Daniel Poblete: *Melatonin Protective Role in Mouse Cauda Epididymal Spermatozoa Damage Induced by Sodium Arsenite*
33. Saeed Shokri, Mahsa Kazemi, Maryam Arab Firouzjaei, Masoud Hemadi, Ardeshir Moayeri, Mahin Ganjkhani, Reza Nejatbakhsh: *Melatonin Protects Testes against Lithium–Pilocarpine Induced Temporal Lobe Epilepsy in Rats: a Time Course Study.*
34. Babita Bhatia, Purushottam G. Kale, Pramod Meshram: *Mica nanoparticles are antidote for male germcell line: An ultrastructural evaluation in hyperthermic rats.*
35. Reza Nejatbakhsh, Saeed Shokri, Setareh Riyahi, Somayeh Rostamkhani, Sanaz Mahmazi, Mehdi Rahnama: *Protective effect of Fennel (Foeniculum Vulgari) and Cumin (Cuminum Cuminum L.) extracts on the sperm quality in an obese rat fed a high fat diet.*
36. Joachim M. Weitzel, Alexander Sobczak, Marten Michaelis: *High-fertility phenotypes: Alterations in physiological, behavioural and endocrine characteristics.*

19:15 Dinner

Programme

Thursday, 15 May 2014

08:45 - 10:00 Symposium IV

Spermatogonial stem cells

Chairpersons: Stefan Schlatt and Raffaele Geremia

8:45 – 9:15

Miles Wilkinson (San Diego, CA, USA): *Regulation of spermatogonial stem cell renewal*

9:15 – 9:45

Diego Castrillon (Dallas, TX, USA): *New directions in spermatogonial stem cell biology*

9:45 – 10:00

B. Mucaccia, M. Stefanini, C. Boitani, D. G. de Rooij, and **Elena Vicini** (Rome): *Human spermatogenesis: comparison between the old and the new stage classification (miniposter 37)*

10:00 Coffee/Tea

10:20 - 11:45 Plenary Poster Session: Spermatogonia

Chairpersons: Raffaele Geremia and Stefan Schlatt

38. Daniel Langenstroth, Nina Kossack, Birgit Westernstöer, Joachim Wistuba, Rüdiger Behr, Jörg Gromoll, Stefan Schlatt: *Separation of germ cells and somatic cells is a prerequisite for establishing primate spermatogonial cultures.*
39. Kyung Hoon Lee, Won Young Lee, Hee Chan Kim, Kyung Soon No and Hyuk Song: *Formation of spermatogonia-derived colony in non-rodent mammal.*
40. Franziska Jacob, Monika Nowak-Imialek, Doris Herrmann, Heiner Niemann: *Isolation, in vitro culture and characterization of germline specific stem cells in the pig.*
41. Kathreinvon Kopylow, A.-N. Spiess, W. Schulze: *Visual selection of human potential spermatogonial stem cells by bead-tagging.*
42. Sara Rebelo, Andreia Silva, João Ramalho-Santos and Paula C. Mota: *New insights in spermatogonial stem cell markers.*
43. Birgit Westernströer, Daniel Langenstroth, Britta Troppmann, Klaus Redmann, Rod Mitchell, Joachim Wistuba, Stefan Schlatt, Nina Kossack: *Expression of the CXCL12 chemokine receptor CXCR7 in the developing monkey testis.*

Programme

Thursday continued

44. Stefanie Windschüttl, Nettersheim D, Schlatt S, Huber A, Welter H, Schwarzer U, Köhn F-M, Schorle H, Mayerhofer A.: *Are testicular mast cells involved in the regulation of spermatogenesis in man?*
45. Di Giacomo D, Geremia R, Grimaldi Paola: *Endocannabinoids are physiological inducers of meiotic entry of mouse spermatogonia.*
46. Paula C. Mota, Andreia Silva, Joachim Wistuba, Jens Ehmcke, João Ramalho-Santos, Stefan Schlatt: *Overcoming the meiotic barrier in common marmoset testicular xeno.*
47. Jörg Gromoll, Franziska Kaiser, Reinhild Sandhove-Klaverkamp, Klaus Redmann, Stefan Schlatt, Joachim Wistuba: *Reduced spermatogonial population but unaltered spermatogenic efficiency in the aged non-human primate Macaca fascicularis testis.*
48. Alix Luangpraseuth-Prosper, Pomerol E., Baillet A., Cotinot C., Mandon-Pepin B.: *The Topaz1 gene is necessary for spermatogenesis.*
49. Gary R Hime, Nicole A Siddall, Aviv Gafni, Nicole Dominado, Agnes Gany, Arjun Chahal, Adrian C Monk, Franca Casgranda, Barbara Fraser, Eileen A McLaughlin, Helen E Abud and Kate L Loveland: *Drosophila model for genetic analysis of spermatogonial differentiation.*

12:00 Lunch

Att.! 12:10 for invited participants only

Bus to the inauguration of Centre for Endocrine Disruption in Male Reproduction and Child Health (EDMARC) in Copenhagen (lunch bags available to take for the ride)

13:30 - 17:00 Excursion to Kronborg Castle in Elsinore

17:30 - 18:00 Symposium V

Mechanisms of spermiogenesis

Chairpersons: Erwin Goldberg and Noora Kotaja

17:30 – 18:00

Moira K. O'Bryan (Melbourne, Australia): *Genes controlling spermatid maturation in mouse models*

18:00 – 18:30

Sophie Rousseaux (Grenoble, France): *Programming and compacting the male genome*

Programme

Thursday continued

18:40 - 19:40 **Plenary Poster Session: Spermatogenesis**

Chairpersons: Jörg Gromoll and Noora Kotaja

50. Céline Andersson-Zimmermann, Vanessa Bianda, Noora Kotaja and Serge Nef: *DGCR8 and microRNAs are essential for the progression of spermatogenesis and male fertility.*
51. Larissa Fiamengui de Pauli, Elisa Gomes Santos, Tais Gonçalves Berbel, Fernanda Pazotti Daher, Rita Luiza Peruquetti: *Probable roles played by nucleolar protein Fibrillarin for the maintenance of chromatoid body physiology.*
52. Guishuan Wang, Fei Sun: *CaMKIV (Calcium/calmodulin-dependent protein kinase type IV) promotes proteins interplay in chromatoid bodies of male germ cells.*
53. Shu Ly Lim, Duangporn Jamsai, Hamish S. Scott, R. Daniel Kortschak, David M. Lawrence, Zhi Peng Qu, Joel Geogheganm Anna-Lena Hempfling, Martin Bergmann, David L. Adelson, Moira O'Bryan: *HENMT1-mediated 2'OH-methylation of piRNAs is required for piRNA stability, post-meiotic transposable repression and male fertility.*
54. Anna-LenaHempfling, O'Bryan M, Lim SL, Kliesch S, Weidner W, Bergmann M: *The piRNA pathway in human testis: First results for HENMT1 and PIWIL1 expression.*
55. Afsaneh Goudarzi, Fayçal Bousouar, Sophie Barral, Anne Laure Vitte, Thierry Buchou , Sophie Rousseaux , Saadi Khochbin: *A specific CBP/P300 – dependent gene expression program drives metabolic remodeling in late stages of spermiogenesis.*
56. Ruth Klöver, Victoria Sánchez, Oliver Damm, Klaus Redmann: *Direct but no major transgenerational effects of epigenetic drugs on male fertility.*

20:00 Dinner

Programme

Friday, 16 May 2014

08:45 - 10:10 Symposium VI and Plenary Poster Session

'Omics' and systems biology approaches in studies of testis function and dysfunction

Chairpersons: *Claudio Sette and Kristian Almstrup*

8:45 – 8:55

Antoine D. Rolland, Chalmel F, Evrard B., M. Primig, B. Jost, N. Dejucq-Rainsford, C. Pineau and B. Jégou (Rennes & Strasbourg, France): *High-resolution profiling of novel transcriptional events during human spermatogenesis (miniposter 57)*

8:55 – 9:10

S. Chocu, B. Evrard, A. Rolland, R. Lavigne, F. Aubry, C. Kervarrec, B. Jégou, C. Pineau and **Frederic Chalmel** (Rennes, France): *Novel protein-coding genes involved in spermatogenesis using Proteomics Informed by Transcriptomics (miniposter 58)*

9:10 – 9:25

Zimmerman C, **Isabelle Stèvant**, Jegou B, Chalmel F, Nef S (Geneva, Switzerland & Rennes, France): *Dynamic transcriptional profile of Sertoli cells during the progression of spermatogenesis (miniposter 59)*

9:25 – 9:40

Chiara Naro, Frederic Lemoine, Pierre de la Grange, Niclas Setterblad, Antonio J. Alberdi, Pellegrino Rossi, Raffaele Geremia and **Claudio Sette** (Rome, Italy & Paris, France): *Global changes in transcriptome regulation in post-meiotic spermatids. (miniposter 60)*

9:40 – 10:10 Miniposter presentations:

61. Andrej-Nikolai Spiess & Heike Cappallo-Obermann: *Feasibility of Correlation Filtering for the identification of testicular co-expression and co-regulation.*
62. Chylikova B, Hodulova M, Julia Irene Ariagno, Ondřej Šeda, Gabriela Mendeluk, Abraham L. Kierszenbaum and Liška F: *Profiling sperm transcriptome in infertile men with abnormal sperm morphology.*
63. Alexandra Amaral, Rubén Azpiazu, Judit Castillo, Josep Maria Estanyol, Marta Guimerà, Josep Luís Ballescà, Juan Balasch and Rafael Oliva: *High throughput sperm differential proteomics suggests that epigenetic alterations contribute to failed assisted reproduction.*

10:10 Coffee/Tea

Programme

Friday continued

10:30 - 11:00 Symposium VII

Sertoli cell function

Chairpersons: *David de Kretser and Peter Stanton*

10:30 – 11:10

Humphrey Yao (Research Triangle Park, NC, USA): ***Autocrine/Paracrine regulation of Sertoli cell identity in fetal mouse testis***

11:10 – 11:50

Lee Smith (Edinburgh, Scotland): ***Selective ablation reveals new roles for Sertoli cells in testis development and function***

11:50-13:15 **Plenary Poster Session: Sertoli cell function and testis immunology**

Chairpersons: *Kate Loveland and Andreas Meinhardt*

64. Emmi Rotgers, Adolfo Rivero-Müller, Mirja Nurmio, Noora Kotaja, Ilpo Huhtaniemi¹, Sonia Bourguiba-Hachemi¹, and Jorma Toppari: *Retinoblastoma Protein and E2F3 Control Terminal Differentiation of Mouse Sertoli Cells.*
65. Thomas Chambers, Rebourcet D, Smith LB, Drake AJ¹, Sharpe RM: *Sertoli Cell maturation is associated with changes to methylcytosine and hydroxymethylcytosine abundance.*
66. Diane Rebourcet, Peter J. O'Shaughnessy, Ana Monteiro, Rod Mitchell, Laura Milne and Lee B Smith: *Effect of Sertoli cell ablation on testicular function in the adult mouse.*
67. Gina La Sala, D. Marazziti, C. Di Pietro, E. Golini,, R. Matteoni, G. P. Tocchini-Valentini: *Sertoli cell loss and spermatogenesis impairment in mice lacking the Parkinson's disease associated GPR37/prosaposin receptor.*
68. Zoch, Ansgar, Mayerl, S.,Frappart, L.,Morrison, Helen: *Sertoli cell Merlin is indispensable for Spermatid Differentiation.*
69. Dante Lamberti & Elena Vicini: *Promoter analysis of the gene encoding GDNF in murine Sertoli cells.*
70. Assad Riaz, Stammler A, Chan KH, Lüftner B, Bergmann M, Kliesch S, Konrad L: *Role of clusterin in Testis.*
71. Olcom JS, Rainczuk KE, Foo CFH, Haverfield JT, Peter G. Stanton: *Meiotic and post-meiotic germ cells up-regulate blood-testis barrier function.*
72. Julia M. Young, Julie Muir, Ashley Mansell and Mark Hedger: *Murine Sertoli cells preferentially express interleukin 1 β following activation of Toll-like receptor 4.*

Programme

Friday continued

73. Nour Nicolas, Sudhanshu Bhushan, Vera Michel, Mark Hedger, David de Kretser, Kate Loveland, Andreas Meinhardt and Monika Fijak: *Role of activin and follistatin in chronic testicular inflammation in mice*
74. Ferial Aslani, Hans-Peter Elsässer, Livia Lustig, Vanessa Guazzone, Monika Fijak, Andreas Meinhardt: *Release of high mobility group box protein 1 leads to chronification of testicular inflammation.*

13:15 Lunch

14:45 - 16:30 Symposium VIII

Development of Leydig cells and their interaction with other endocrine organs

Chairpersons: Peter O'Shaughnessy and Rod Mitchell

14:45 – 15:15

Humphrey Yao (Research Triangle Park, NC, USA): *Hedgehog in the Testis: Its Role in Origins and Differentiation of Leydig Cells*

15:15 – 15:50

Severine Mazaud-Guittot (Rennes, France): *Differentiation of human fetal Leydig Cells*

15:50 – 16:30

Ilpo Huhtaniemi (London, UK/Turku, Finland): *Gonadotrophin regulation of testis function*

16:30 Coffee/Tea

17:00 - 18:00 Plenary Poster Session: Leydig cell and peritubular cell function

Chairpersons: Katja Teerds and Ilpo Huhtaniemi

75. Laura O'Hara, Kerry McInnes, Ioannis Simitsidellis, Steph Morgan, Rod Mitchell and Lee B. Smith: *Androgen receptor signalling in testicular Leydig cells is essential for Leydig cell maturation and survival.*
76. Grete Lottrup, JE Nielsen, LL Maroun, LMA Møller, M. Yassin, H. Leffers, NE Skakkebaek and E Rajpert-De Meyts. *Expression patterns of DLK1 and INSL3 identify stages of human Leydig cell differentiation.*

Programme

Friday continued

77. Frank Tüttelmann, Oliver S. Damm, Matteo Baldi, Jörg Gromoll, C. Marc Luetjens, Sabine Kliesch, Eberhard Nieschlag, Michael Zitzmann, Joachim Wistuba, Manuela Simoni: *Intratesticular testosterone is increased in men with Klinefelter syndrome and may not be released into the bloodstream due to altered testicular vascularisation.*
78. Lara NLM, Lacerda SMSN, Oliveira CFA, Resende RR, França LR: *Evaluation of testis function of adult iNOS-/- mice using different approaches.*
79. Tina Tsai, Kristin Sauter, Laura Milne, Philippa Saunders, David Hume, and Lee B. Smith: *Characterising and Manipulating Testicular Interstitial Macrophages to promote Leydig cell Function in the Adult Testis.*
80. Sofia Boeg Winge, Jørgensen A, Nielsen J, Juul A, Berezin V, Rajpert-De Meyts E: *Biglycan is a novel binding partner of FGFR3c in the human testis.*
81. Andrea Mietens, Sabine Tasch, Gerrit Eichner, Ralf Middendorff: *Different contraction patterns of seminiferous tubules in rat and man were revealed by time-lapse imaging.*
82. Mayer C, Welter H, Adam M, Strauss L, Köhn FM, Schwarzer JU, Poutanen M, Mayerhofer A: *Human testicular peritubular cells express functional TLRs: A role in male infertility?*
83. Marie Berg Nygaard, Kristian Almstrup, Søren Tvorup Christensen and Terje Svingen: *Identification of primary cilia in cells of the adult human testis.*
84. Anja Schrade, Antti Kyrönlähti, Oyediran Akinrinade, Marjut Pihlajoki, Jorma Toppari, David B. Wilson, and Markku Heikinheimo: *Regulation of adult Leydig cell function by GATA4.*

19:00 Workshop dinner and entertainment

Programme

Saturday, 17 May 2014

09:00 - 10:45 Symposium IX

Genetics of human infertility and new methods of sperm evaluation

Chairpersons: Yvonne Lundberg Giwercman and Joao Ramalho-Santos

9:00 – 9:30

Frank Tüttelmann (Münster, Germany): *Genetic modulation of the human testis function*

9:30 – 10:00

Csilla Krausz (Florence, Italy): *Gene copy number changes in human infertility*

10:00 – 10:30

Con Mallidis (Münster, Germany): *Raman micro-spectroscopy in the analysis of sperm function*

10:30 – 10:45

Dorte L. Egeberg, Anders Rehfeld, Søren Kjærulff, Martin Glensbjerg, Claus Hansen, Niels E. Skakkebaek, Niels Jørgensen and Kristian Almstrup (Copenhagen, Denmark): *Image cytometry – a new tool for assessment of human sperm quality (miniposter 85)*

10:45 Coffee/Tea

11:10 - 12:40 Plenary Poster Session: Human andrology

Chairpersons: Aleksander Giwercman and Niels Jørgensen

86. Carl Linnér, Aleksander Giwercman, Christos Tsatsanis, Johannes Bobjer, Hamideh Rastkhani, Yvonne Lundberg Giwercman: *Variants of the androgen receptor and estrogen receptor a influence markers of low grade systemic inflammation.*

87. Magdalena Bentmar Holgersson, Aleksander Giwercman, Anders Bjartell, Yvonne Lundberg Giwercman: *Variants of the androgen receptor and concentrations of prostate specific antigen.*

Programme

Saturday continued

88. Jennifer Borgmann, Joachim Wistuba, Frank Tüttelmann, Sabine Kliesch, Miles F. Wilkinson, Jörg Gromol: *The human RHOX genes – Effect of single nucleotide polymorphisms and expression pattern in men with impaired spermatogenesis.*
89. Terje Svingen, Anne Jørgensen and Ewa Rajpert-De Meyts: *Validation of Endogenous Normalising Genes for Expression Analysis in Adult Human Testis and Testicular Neoplasms.*
90. Kari Furu, Trine Rounge, Espen Enerly, Rolf I. Skotheim, Tom K. Grimsrud, Trine B. Haugen, Tom Grotmol: *Differential microRNA expression in testicular cancer versus normal tissue.*
91. Roger Mieusset, Marie Walschaerts and Safouane Hamdi: *About the selection of azoospermic patients and controls when identifying potentially relevant testis functional biomarkers and specific germ-cells proteins in seminal plasma.*
92. Sandra Laurentino, Thomas Haaf, Sabine Kliesch, Jörg Gromoll: *New Strategy for the Study of DNA Methylation in Testis.*
93. Kenny Louie, Agata Minor, Richard Ng, Victor Chow, and Sai Ma: *Hypomethylation at select CpG sites at the promoters of MTHFR and GSTP1 in the testes of men with azoospermia.*
94. Christos Tsatsanis, Johannes Bobjerg, Hamideh Rastkhani, Erini Dermizaki, Yvonne Lundberg Giwerzman, Aleksander Giwerzman: *Serum miR-155 and miR-146a as potential biomarkers of infertility.*
95. Barbara Golob, Mario Poljak, Borut Peterlin, Branko Zorn: *No clinical effect of genital and seminal HPV infection in men from idiopathic infertility couples on sperm apoptotic markers.*
96. Dominique Mahé, Claire Deléage, Giulia Matusali, Anne-Pascale Satie, Karim Bensalah, Laurence Guézenec, Luiz R. de Franca, Bernard Jégou & Nathalie Dejuçq-Rainsford: *HIV-1 binds human testicular germ cells in vitro.*
97. Branko Zorn, Verdenik I, Kolbezen M: *Predictors of success in homologous intrauterine insemination.*
98. Martin Blomberg Jensen, R. Cetti, J.E. Nielsen, A Loft, E. Carlsen, A. Juul, N. Jørgensen: *Vitamin D and human spermatozoa - a novel approach to select high quality gametes for ART?*
99. Katharina Schulte, Jens Ehmcke, Stefan Schlatt, Michele Boiani, Verena Nordhoff: *The Influence of human ART culture media on apoptosis in mouse preimplantation embryos.*

12:45 Closing remarks

From 11.00 lunch bags are available to take for the trip home
