

16th EUROPEAN TESTIS WORKSHOP

La Biodola, Island of Elba, May 8th-12th 2010

www.molbioltestis.it

OFFICIAL PROGRAMME

Saturday, May 8th 2010

- 16:00 – 19:00** Arrival of delegates and registration
- 19:45** Chairperson: **Mario Stefanini**
- Welcome
Raffaele GEREMIA
- 20:00 – 20:45** **Plenary lecture**
- Luigi NALDINI** (Milan, Italy)
[Gene Therapy: Current Challenges and New Perspectives](#)
- 21:00** **Dinner**

- 8:30 – 10:20** **Symposium 1**
Stem cells of the testis
- Chairpersons: **Elena Vicini, Stefan Schlatt**
- 8:30 – 9:10** **Niels GEIJSEN** (Utrecht, The Netherlands)
[Dazl regulation of RNA processing in murine germ cell differentiation.](#)
- 9:10 – 9:50** **Shosei YOSHIDA** (Okazaki, Japan)
[Hierarchy and reversibility in the mouse spermatogenic stem cell system.](#)
- 9:50 – 10:05** **Gassei K., Orwig K.** (Pittsburgh PA, USA)
[Sall4 expression in the adult mouse germline](#)
- 10:05 – 10:20** **Boyer A., Yeh J.R., Zhang X., Nagano M.C., Boerboom D.** (Montréal, Quebec Canada & Houston, TX, USA)
[CTNNB1 signaling in Sertoli cells downregulates spermatogonial stem cells activity via WNT4](#)
- 10:20 – 10:50** **Coffee Break**
- 10:50 – 12:40** **Minisymposium 1**
Stem cells and Tumours of the testis.
- Chairpersons: **Ewa Rajpert-de Meyts, Susanna Dolci**
- 10:50 – 11:05** **Nóbrega R.H., Greebe C.D., Bogerd J., França L.R., Schulz R.W.**
(Utrecht, The Netherlands; Belo Horizonte, MG, Brazil; Bergen, Norway)
[Spermatogonial stem cell \(SSC\) transplantation in zebrafish, and the influence of the recipient's testicular microenvironment on the fate of the transplanted SSCs](#)
- 11:05 – 11:20** **Dovere L., Grasso M., Boitani C., Lamberti D., Stefanini M., Vicini E.**
(Rome, Italy)
[Distribution of GFRA1-expressing spermatogonia in adult mouse testis](#)
- 11:20 – 11:35** **Lim J., Ewen K.A, Nielsen J.E., Goriely A., Wilkie A., Rajpert-De Meyts E.** (Oxford, United Kingdom; Copenhagen, Denmark)
[Identification of subpopulations of human spermatogonial stem cells: new insight from spermatocytic seminoma](#)
- 11:35 – 12:40** **Miniposter Discussion**
- Silva R.C., Costa G.M.J., Lacerda S.M.S.N., Avelar G.F., Andrade L.M., França L.R.** (Belo Horizonte, MG, Brazil).
[Germ cell transplantation in felids: a potential approach to preserve endangered species](#)
- Behr R., Eildermann K., Aeckerle N., Godmann M.** (Goettingen, Germany; Montréal, Canada)
[The pluripotency-associated transcription factor SALL4 is developmentally regulated in postnatal non-human primate and mouse germ cells](#)

Carlomagno G., van Bragt Maaïke P.A., Korver C.M., Repping S., de Rooij D. G., van Pelt A.M.M (Amsterdam, The Netherlands; Rome, Italy; Utrecht, The Netherlands)

[BMP-induced differentiation of spermatogonial stem cells reveals changes in adhesion properties](#)

Ewen, K.A., Olesen, I.A., Nielsen J.E., Græm N., Anders J., Rajpert-De Meyts E. (Copenhagen, Denmark)

[Expression profiling suggests a role for FGFR in the survival of human spermatogonia](#)

Esposito F., Boscia F., Tornincasa M., Franco R., Chieffi P. (Naples, Italy)

[Down-regulation of estrogen receptor- \$\beta\$ associates with transcriptional coregulator PATZ delocalization in human testicular seminomas](#)

Ferranti F., Catizone A., Ricci G., Stefanini M., Vicini E. (Rome, Italy; Naples, Italy)

[GFRA expression and chemotactic activity of GDNF on TCam- seminoma cells](#)

Albert S., Ehmcke J., Wistuba J., Gromoll J., Schlatt S. (Munster, Germany)

[Characterisation of spermatogonial stem cells from juvenile marmoset testes](#)

Gueler, B., Sonne S., Buse S., Zimmer J., Graem N., Hohenfellner M., Rajpert-De Meyts E., Vogt P. H. (Heidelberg, Germany; Copenhagen, Denmark)

[Expression of DDXY/DDXX in fetal germ cells and testicular germ cell tumours \(TGCT\) – a model system for the study of DDXY/DDXX in male germ line](#)

Forand A., Fouchet P., Messiaen S., Lahaye JB., Chicheportiche A., Habert R. Bernardino-Sgherri J. (Paris, France)

[In vivo radiation-induced responses of mouse neonatal precursors of spermatogonial stem cells](#)

13:00 – 16:00

Lunch and free activities

16:00 – 17:50

**Symposium 2
Sex determination and testis development**

Chairpersons: **Pellegrino Rossi, Gabriel Livera**

16:00 – 16:40

Blanche CAPEL (Durham, USA).
[Vascular patterning of testis development.](#)

16:40 – 17:20

Giovanna CAMERINO (Pavia, Italy).
[Sex determination and human sex reversal.](#)

17:20 – 17:35

Dean A., MacLeod D., Smith L., Sharpe R.M. (Edinburgh, Scotland, UK)
[Regulation and importance of the masculinisation programming window](#)

17:35 – 17:50

Catizone A., Canipari R., Galdieri M., Ricci. G. (Naples - Rome, Italy)
[HGF Stimulates TGF \$\beta\$ Secretion and Activation in mouse Fetal Testis Organ Culture](#)

17:50 – 18:20

Coffee Break

- 18:20 – 20:10** **Minisymposium 2**
Testis Development and Genetics
- Chairpersons: **Iipo Huhtaniemi, Blanche Capel**
- 18:20 – 18:35** **Vernet N., Burgoyne P., Prosser H., Mitchell M.**, (London UK.)
Identification of ZFY2 gene functions in spermatogenesis using a transgene rescue approach.
- 18:35 – 18:50** **Grigorova M., Punab M., Laan M.** (Tartu, Estonia)
FSHB promoter polymorphism within Progesterone Response element is associated with serum FSH level in men
- 18:50 – 19:05** **Fouchécourt S., Desale E., Nalesso V., Fumel B., Lopes Pereira P., Delaleu B., Bonnet C., Herault Y., Guillou F.** (Nouzilly - Illkirch, France)
Characterization of new genomic regions involved in male reproduction by ENU-mediated chemical mutagenesis strategy
- 19:05 – 20:10** **Miniposter Discussion**
- MacLeod D.J., van den Driesche S., Joblingand M., Sharpe R.M.**
(Edinburgh, Scotland, UK)
SMOC-: a new androgen regulated gene in the fetal testis
- Dalgaard M.D., Gupta R., Weinhold N., Edsgard D., Jørgensen N., Juul A., Jensen T.S., Brunak S., Rajpert-De Meyts E., Skakkebaek N.E., Leffers H.** (Copenhagen, Denmark)
"Genetic susceptibility to TDS" ? – a Genome-Wide association study of men with TDS
- Jørgensen A., Nielsen J.E., Nielsen B.F., Morthorst J.E., Bjerregaard P., Leffers H.** (Copenhagen, Denmark)
Expression of pgds and pges during zebrafish gonadal differentiation
- Montazer-Torbati, F., Pannetier M., Kocer A., Auguste A., Renault L., Pailhoux E.** (Jouy en Josas – France)
SRY protein expression during testis development in goat
- Hou M., Stukenborg J.B., Nurmio M., Andersson M., Toppari J., Jahnukainen K., Söder O.** (Stockholm, Sweden; Turku - Helsinki, Finland)
AP-2 expression during testicular development in rats
- Ehmcke J., Gassei K., Schlatt S.** (Münster, Germany; Pittsburgh, PA, USA)
Enhanced development of immature Rhesus Monkey (*Macaca mulatta*) testicular tissue xenografts by hCG treatment of nude mouse recipients.
- Aschim E.L., Oldenburg J., Kristiansen W., Fosså S.D., Trine B.H.**
(Oslo, Norway)
Polymorphisms in CYP genes affect gonadal hormone levels in 3 years testicular cancer survivors
- Chernykh V.B., Kurilo L.F., Shileiko L.V., Tsvetkova T.G., Shilova N.V., Zolotukhina T.V., Chukhrova A.L., Ryzhkova O.P., Polyakov A.V.** (Moscow, Russian Federation)

X chromosome mosaicism in XX sex reversed patients

Jodar M., Mestre G., Castillo J., Oriola J., Ballescà J.L., Oliva R.
(Barcelona, Spain)

Polymorphisms and mutations in the protamine and genes

20:30

Dinner

Monday, May 10th 2010

8:30 – 10:20

Symposium 3 Meiosis and Spermatogenesis

Chairpersons: **René Habert, Guido Verhoeven**

8:30 – 9:10

Scott KEENEY (New York, USA).
[Breaking PAR: Ensuring that recombination occurs between the X and Y in spermatocytes.](#)

9:10 – 9:50

Willy M. BAARENDS (Rotterdam, The Netherlands).
[DNA repair and meiotic silencing of sex chromosomes.](#)

9:50 – 10:05

Antinozzi C., Pellegrini M., Geremia R., Barchi M. (Rome, Italy)
[H2AX is necessary for proper autosomes synapses and recombination, during mouse spermatogenesis](#)

10:05 – 10:30

Miniposter Discussion

Keber R., Motaln H., Debeljak N., Rassoulzadegan M., Rozman D. (Ljubljana, Slovenia; Nice, France)
[The development of a conditional knockout mouse model to study the in vivo role of meiosis activating sterols in spermatogenesis](#)

Di Siena S., Orlando P., De Petrocellis L., Lolicato F., Geremia R., Di Marzo V., Grimaldi P. (Rome - Naples, Italy)
[Activation of Erk/ MAPK by the CB cannabinoid receptor in mouse germ cells](#)

Guerquin M.J., Duquenne C., Lahaye J.B., Habert R., Livera G. (Paris, France)
[Testis-specific meiosis inhibiting factor and mitotic arrest factor; New data in regards of retinoic acid role in fetal germ cells](#)

Messina V., Di Sauro A., Pedrotti S., Adesso L., Latina A., Geremia R., Rossi P., Sette C. (Rome, Italy)
[Different contribution of the mTOR and MNK pathways to the regulation of mRNA translation in meiotic and post-meiotic male germ cells](#)

10:30 – 10:50

Coffee Break

10:50 – 12:40

Minisymposium 3 Meiosis and Spermatogenesis

Chairpersons: **Willy M. Baarends, Scott Keeney**

10:50 – 11:05

Jacobs H., Oulad A., Dennefeld M., Féret C., Vernet N. B. Codreanu C.A., Chambon P., Ghiselinck N.B., Mark M. (Illkirch, France)
[Stra8-deficient spermatocytes initiate, but fail to complete, meiosis and undergo premature chromosome condensation](#)

11:05 – 11:20

Pellegrini M., Claps G., Orlova V., Dolci S., Chavakis T., Feigenbaum L., Nussenzweig. A. (Rome, Italy; Bethesda-Frederick, MD, USA)
[CRE Recombinase Activity During Gametogenesis Is Revealed In Mouse Models](#)

11:20 – 11:35 **Jamsai D., Smith S.J., O'Connor A.E., Merriner D.J., Borg C., Adams V., Ormandy C.J., O'Brian. M.K.** (Victoria – Camberra - Sydney, Australia)
[The Mechanism of Spermatid Maturation: A link to Tumor Suppression](#)

11:35 – 12:40 **Miniposter Discussion**

Ricci G., Caruso M., Ferranti F., Canipari R., Galdieri M., Catizone A., (Rome - Naples, Italy)
[Hepatocyte Growth Factor Modulates Occludin And Actin Distribution In Adult Rat Seminiferous Tubules](#)

Sultana T., Mirza M., Sollerbrant K., (Stockholm, Sweden)
[Coxsackievirus and Adenovirus Receptor \(CAR\) is not essential for fertility](#)

Rozwadowska N., Wojciechowska P., Fiszer D., Jędrzejczak P., Olszewska M., Kurpisz M. (Poznan, Poland)
[Division of Reproduction and Early Development, University of Leeds, UK
Mammalian IL-/IL-RA axis in male gonad with normal or impaired spermatogenesis](#)

Yamine M., Saade M., Guillemain C., Dorval I., Garcia S., Jégou B., Nguyen C. (Marseille -.Rennes, France)
[Spatial gene, a potential candidate in Mouse and Human Spermatogenesis](#)

Mäkelä J.A., Saario V., Bourguiba S., Nurmio M., Parvinen M., Toppari J. (Turku, Finland)
[Hedgehog signaling in the rat testis](#)

Ferrara D., Izzo G., Pariante P., d'Istria M., Minucci S. (Naples, Italy).
[Prothymosin a expression in the testis: a possible role in vertebrate spermatogenesis. .](#)

Nenicu A., Okun J.G., Hartmann M.F., Wudy S.A., Guillou F., Crane D.I., Baumgart-Vogt E. (Giessen - Heidelberg, Germany; Nouzilly, France; Brisbane, Australia)
[Peroxisomal dysfunction in Sertoli cells induces male infertility](#)

Bardoogo-Leichtmann Y., Feitelberg L., Meyron-Holtz E.G. (Haifa, Israel)
[A Double Challenge: Import and Export of Iron Through the Blood Testis Barrier](#)

13:00 – 16:00 **Lunch and free activities**

16:00 – 17:50 **Symposium 4**
Post-transcriptional control of gene expression

Chairpersons: **Noora Kotaja, Erwin Goldberg**

16:00 – 16:40 **Raül MÉNDEZ** (Barcelona, Spain).
[Translational control of meiotic progression by CPEB1 and CPEB4.](#)

16:40 – 17:20 **Norman B. HECHT** (Philadelphia, USA).
[Identifying in vivo targets of RNA-binding proteins.](#)

- 17:20 – 17:50** **Messina V., Kotaja N., Paronetto M.P., Geremia R., and Sette C.** (Rome, Italy).
The RNA binding protein Sam68 transiently localizes to the chromatoid body and interacts with the RNA helicase MVH in meiotic and post-meiotic germ cells
- 17:50 – 18:20** **Coffee Break**
- 18:20 – 20:10** **Minisymposium 4**
Transcription and Genomics in the testis

Chairpersons: **Bernard Jégou, Ans M.M. van Pelt**
- 18:20 – 18:35** **Barrios F., Filipponi D., Bramucci F., Pellegrini M., Rossi P., Rajkovic A., Jannini E.A., Dolci S.** (Rome - L'Aquila, Italy; Houston, USA)
Transcriptional Control of Kit expression in Mouse Spermatogonia
- 18:35 – 18:50** **Godmann M., Nagano M., Kimmins S.** (Montreal, QC, Canada)
Manipulating the epigenetic landscape in male germ cells – how do histone modifying enzymes influence transcription?
- 18:50 – 19:05** **Britto R., Chalmel F., Michaux G., Primig M.** (Rennes, France)
Expression profiling, homology screening and RNA interference analysis identify genes important for sexual reproduction
- 19:05 – 20:15** **Miniposter Discussion**

Tang H., Goldberg E. (Evanston, IL, USA)
Transcription factor A-myb acts as a co-activator via the CRE cis element to direct testis-specific expression of Ldhc in primary spermatocytes
- Paradowska A., Bartkuhn M., Miller D., Weidner W., Steger K.** (Giessen, Germany; Leeds, United Kingdom)
Genome wide analysis of H4K12ac binding genes in sperm and their expression in early embryo development
- Rollan A., Lavigne R., Calvel P., Kervarrec C., Freour T., Daully C, Guerrier L., Auger J., Pineau C.** (Rennes – Nantes - Paris - Courtaboeuf, France)
A combinatorial Omics approach to identify testicular germline markers in the human seminal plasma proteome
- Moffat L., Smith L.B.** (Edinburgh, Scotland, UK)
High-Throughput Identification of Novel Mouse Models for Reproductive Research
- Weitzel J.M., Rajkovic M.** (Dummerstorf - Greifswald, Germany)
26 bp are sufficient to direct haploid gene expression
- Laktionov P., Belyakin S., Maksimov D., Shloma V., Zhimulev I.F.** (Novosibirsk, Russia)
Identification of transcriptional regulators for testis-specific gene clusters in *Drosophila melanogaster*
- Lottrup G., Sonne S.B., Dalgaard M.D., Audouze K., Nielsen H.B., Almstrup K., Brunak S., Leffers H.** (Copenhagen - Lyngby, Denmark)

Gene expression profiling in different testicular cell types isolated by laser capture micro-dissection

Chalmel F., Lardenois A., Evrard B., Coiffec I., Schulze W., Jégou B., Kirchhoff C., Primig M. (Rennes, France; Hamburg, Germany)
Reconstituting the Human Testicular Expression Program using Testicular Biopsies from Patients with Normal and Abnormal Spermatogenesis

Gautier A., Sohm F., Joly J-S., Le Gac F., Lareyre J-J. (Rennes - Gif-sur-Yvette, France)
GsdF Is Included In A Cluster Of Genes Evolutionary Conserved And Preferentially Expressed In The Gonads

Seddon J.P., Picksley S.M., Brinkworth M.H. (Bradford, UK)
Point-Mutagenesis Analysis of The DNA-Binding Domain of the Germ-Cell Specific Transcription Factor, Msy2

20:30

Dinner

Tuesday, May 11th 2010

- 8:30 – 10:20** **Symposium 5:
Non-coding RNAs**
- Chairpersons: **Norman B. Hecht, Claudio Sette**
- 8:30 – 9:10** **Giuseppe MACINO** (Rome, Italy).
[RNAi pathways implicated in silencing of selfish DNA elements in germline development.](#)
- 9:10 – 9:50** **Noora KOTAJA** (Turku, Finland).
[Chromatoid body and small RNAs in male germ cells.](#)
- 9:50 – 10:05** **Wainwright E.N., Dinger M.E., Koopman P., Mattick J.S., Wilhelm D.** (Brisbane, Australia)
[The role of non-coding RNAs in mouse sex determination and gonad development](#)
- 10:05 – 10:25** **Miniposter Discussion**
- Meikar O., Da Ros M., Liljenback H., Toppari J., Kotaja N.**, (Turku, Finland)
[Accumulation of PiRNAs in the Chromatoid Bodies Purified by a Novel Isolation Protocol](#)
- Cocquet J., Ellis P.J.I., Mahadevaiah S.K., Affara N.A, Burgoyne P.S.** (London - Cambridge, UK)
[Transgenically-delivered siRNAs show that the sex chromosomes-encoded multicopy genes Slx and Sly are required for normal spermiogenesis](#)
- Nicholls P.K., Harrison C.A., Gregorevic P., Walton K.L., McLachlan R.I., O'Donnell L., Stanton P.G.** (Victoria, Australia)
[Hormonally sensitive miRNAs regulate Sertoli cell: germ cell adhesion and cell signalling proteins in the testis](#)
- 10:25 – 10:50** **Coffee Break**
- 10:50 – 12:40** **Minisymposium 5
Testicular Toxicology**
- Chairpersons: **Richard M. Sharpe, Massimo De Felici**
- 10:50 – 11:05** **van den Driesche S., Walker M., McKinnell C., Scott H.M., Drake A.J., Smith L.B., Sharpe R.M.** (Edinburgh, Scotland, UK)
[Altered COUP-TFII expression in rat fetal Leydig cells may explain the suppression of testosterone production induced by exposure to di\(n-butyl\) phthalate \(DBP\)](#)
- 11:05 – 11:20** **Desdoits C., Albert O., Lesné L., Guillé F., Cravedi J-P., Dejuqc-Rainsford N., Jégou B.** (Rennes - Toulouse, France)
[Human Steroidogenesis is Inhibited by Phthalate Esters](#)
- 11:20 – 12:40** **Miniposter Discussion**

Muczynski V., Lecureuil C., Moison D., Livera G., Lambrot R., Frydman R., Cravedi J.P., Habert R., Rouiller-Fabre V. (Fontenay aux roses – Toulouse, France)

Effects of phthalates on human fetal germ cell lineage

Lehraiki A., Racine C., Habert R., Levacher C. (Fontenay-aux-Roses, France)

Phthalates Impair Germ Cell Number in the Mouse Fetal Testis by an Androgen- and Estrogen-Independent Mechanism

Kotula-Balak M., Hejmej A., Sadowska J., Bilińska B. (Kraków, Poland)

Effects of 4-tert-octylphenol on 3 β -hydroxysteroid dehydrogenase (3 β -HSD) and androgen receptor (AR) expression in the male reproductive system of the bank vole

Kopera I., Hejmej A., Durlej M., Koziorowski M., Bilińska B. (Kraków - Rzeszów, Poland)

Effects of Maternal and Neonatal Exposure to Flutamide on Porcine Spermatogenesis and Cx43 Expression In Adulthood

Mota P.C., Cordeiro M., Pereira S.P., Oliveira P.J., Ramalho-Santos J. (Coimbra, Portugal)

Effects of DDE on testicular mitochondria: why liver mitochondria are not the best model for the testis

Dobrzyńska M.M., Tyrkiel E.J., Jankowska-Steiffer E.A., Radzikowska J., Pachocki K.A. (Warsaw, Poland)

Sperm Quantity and Quality Following Subchronic Exposure of Adult Mice to Bisphenol a Alone or a Combination with X-Rays

Legendre A., Desmots S., Lecomte A., Robidel F., Dupont O., Habert R., Lemazurier E. (Verneuil en Halatte - Fontenay aux Roses, France)

Changes in cellular localization of claudin-11 and P-glycoprotein during rat testis development

Kristensen D.M., Skalkam M.L., Audouze K., Lesné L., Desdoits-Lethimonier C., Frederiksen H., Brunak S., Skakkebaek N.E., Hansen J.B., Jégou B., Leffers H. (Copenhagen - Lyngby, Denmark; Rennes, France).

Endocrine disruptors inhibit the prostaglandin pathway by reducing cyclooxygenase activity

13:00 – 16:00

Lunch and free activities

16:00 – 17:50

**Symposium 6:
Somatic cells of the testis**

Chairpersons: **Katja Teerds, Antonio Filippini**

16:00 – 16:40

Miles WILKINSON (San Diego, USA).
RhoX Genes: Targets and Mediators of Androgen Action

16:40 – 17:20

Karel De GENDT (Leuven, Belgium).
Androgen action in somatic cells of the testis.

- 17:20 – 17:35** **Welsh M., Moffat L., Saunders P.T.K., Sharpe R.M., Smith L.** (Edinburgh, Scotland, UK)
Investigation of cell-communication in PTM-ARKO testes; the impact on Leydig cells (LC)
- 17:35 – 17:50** **Xiao Y., Karnati S., Qian G., Guillou F., Baumgart-Vogt E.** (Tours, France)
Cre expression in Sertoli cells induces “peroxisomal”, antioxidant and proinflammatory genes in the testis: Implications for phenotyping of Sertoli-cell-specific knockout mice
- 17:50 – 18:20** **Coffee Break**
- 18:20 – 20:10** **Minisymposium 6**
Somatic cells of the testis

Chairpersons: **Paola Grimaldi, Olle Söder**
- 18:20 – 18:35** **Svechnikov K., Landreh L., Hou M., Svechnikova I., Shabalina I., Trifunovic A., Nedergaard J., Söder O.** (Stockholm, Sweden)
Disrupted spermatogenesis but normal Leydig cell function in PolgA mtDNA polymerase mutant mice
- 18:35 – 18:50** **Rotgers E., Nurmio M., Toppari J., Bourguiba S.** (Turku, Finland)
Retinoblastoma Protein (pRb) in Sertoli Cells Is Essential in Normal Germ Cell Development
- 18:50 – 19:05** **Fijak M., Schneider E., Klug J., Bhushan S., Sauber L., Hackstein H., Schuler G., Gromoll J., Meinhardt A.** (Giessen - Muenster, Germany)
Testosterone replacement effectively inhibits the development of experimental autoimmune orchitis in rat
- 19:05: 20:10** **Miniposter Discussion**

Pitetti J-L., Papaioannou M.D., Romero Y., Aubry F., Xuan S., Kahn R.C., Efstradiatis A., Parada L.F., Jégou B., Nef S. (Geneva , Switzerland; Rennes, France; New York, NY - Boston, MA - Dallas, TX, USA)
Insulin Signaling is Involved in Sertoli Cell Survival and Maturation in Mice
- Landreh L., Soder O., Svechnikov K.** (Stockholm, Sweden)
Steroidogenesis in putative stem Leydig cells
- Somers J., Alders S., Swarts H., Keijer J., Teerds K.** (Wageningen, The Netherlands)
Sertoli Cell Maturation Under Transient Prenatal/Postnatal Hypothyroid Conditions.
- Starace D., Padula F., De Cesaris P. Filippini A., Ziparo E, Riccioli A.** (Rome, Italy)
Sertoli cells conditioned medium induces Foxp expression in mouse CD+T lymphocytes
- Anand-Ivell R., Heng K., Hafen B., Setchell B., Ivell R.** (Adelaide, Australia)
Secreted Insulin-like peptide (INSL) and its role in postnatal development.

Grasso M., Dovere L., Boitani C., Lamberti D., Stefanini M., Vicini E.
(Rome, Italy)

[FSH regulates GDNF expression in a stage-specific fashion](#)

Yefimova M.G., Messaddeq N., Noblanc A., Philippe M., Harnois T., Bourmeyster N., Benzakour O. (Poitiers - Illkirch, France; St-Petersburg, Russia)

[A Chimeric Model for Studying Sertoli Cell Phagocytosis Activity Reveals a Common Pathway for Ingestion but a Different Pathway for Apoptotic Membranes Degradation.](#)

Kranz S., Hentrich A., Tinneberg H-R., Hersemeyer K., Konrad L.
(Giessen, Germany)

[Follicle-stimulating Hormone Induces Differentiation of Immortalized Germ Cells and Reduces TGFbeta Secretion](#)

Magaraki A.M., Nóbrega R.H., Male R., Sandnes-Skaar K., Bogerd J., Schulz R.W. (Utrecht, The Netherlands; Bergen, Norway)

[Biological Activity of Anti-Müllerian Hormone \(Amh\) in Adult Zebrafish Testis](#)

Willems A., De Gendt K., Deboel L., Swinnen J. V., Verhoeven G.
(Leuven, Belgium)

[Development of an inducible knockout of the androgen receptor](#)

Fumel B., Guerquin M., Flamant F., Guillou F., Livera G., Fouchécourt S. (Nouzilly – Lyon - Fontenay-aux-roses, France)

[Sertoli cell proliferation is regulated by thyroid hormone T via its nuclear receptor TRα: Studies by conditional transgenesis in Sertoli cells](#)

20:30

Gala Dinner

Wednesday, May 12th 2010

8:30 – 10:20

Symposium 7 Sperm cell biology

Chairpersons: **Carla Boitani, Marie-Claire Orgebin-Crist**

8:30 – 9:10

Pablo VISCONTI (Boston, USA).
Phosphorylation pathways involved in sperm capacitation.

9:10 – 9:50

Peter SUTOVSKY (Columbia, USA).
Sperm Proteasome, The Candidate Egg Coat Lysin and Mediator of Acrosomal Exocytosis in Mammals.

9:50 – 10:05

Puglisi R., Maccari I., Pipolo S., Mangia F., Conrad M., Boitani C. (Rome, Italy; Munich, Germany)
The nuclear Glutathione Peroxidase4 is associated with the nuclear matrix and is involved in sperm chromatin remodelling

10:05 – 10:40

Miniposter Discussion

Maccari I., Puglisi R., Boitani C. (Rome, Italy)
Evidence for a specific subnuclear localization of nGlutathione Peroxidase 4 in a heterologous expression system

de Mateo S., Castillo J., Estanyol J.M., Ballescà J.L., Oliva R. (Barcelona, Spain)
Human sperm nuclear isolation and proteome description

Reddy M., Gibbs G., Darszon A., O'Bryan M. (Melbourne, Australia; Cuernavaca, Morelos, Mexico)
The Role of Mammalian Cysteine Rich Secretory Protein 4 in Sperm Biology

Dvorakova-Hortova K., Tejnicky M., Sebkova N., Peknicova J. (Prague, Czech Republic)
The effect of estrogens on tyrosine phosphorylation in mouse sperm capacitation in vitro

Shen J., Chen W., Qi Y., Xia Z., Wang F., Huang X., Zhu H., Guo X., Zhou Z., Sha J. (Nanjing, China)
Lamin A/C associated with the spermatid acroplaxome was essential for mouse spermiogenesis

10:40 – 11:00

Coffee Break

11:00 – 12:50

Minisymposium 7 Male Fertility

Chairpersons: **Jorma Toppari, Brian P. Setchell**

11:00 – 11:15

O'Hara L., Saunders P.T.K., Smith L.B. (Edinburgh, Scotland, UK)
Ablation of Androgen Receptor in The Caput Epididymis Epithelium (CEE-ARKO) Contributes to a Novel Mouse Model of Obstructive Azoospermia

11:15 – 11:30

Poplinski A., Kliesch S., Tüttelmann F., Kanber D., Horsthemke B., Gromoll J., Schlatt S. (Münster, Germany)

Idiopathic male infertility is strongly associated with aberrant methylation of MEST and IGF2/H19 ICR1

11:30 – 11:45

Blomberg Jensen M., Bjerrum P., Jessen T.E., Skalkam M., Petersen J.H., Nielsen J.E., Jørgensen A., Bangsbøll S., Rajpert-De Meyts E., Andersen A.N., Skakkebak N.E., Juul A., Leffers H., Dissing S., Jørgensen N. (Copenhagen, Denmark).
[Vitamin D metabolism in human spermatozoa](#)

11:45 – 12:20

Miniposter Discussions

Hayat S.Sh., Schileiko L.V., Kurilo L.F. (Russian Academy of Medical Sciences)
[The mitochondrial tRNA^{Leu}\(UUR\) A3243G transition in asthenozoospermic men](#)

Ganaïem M., Lunenfeld E., Huleihel M. (Beer-Sheva, Israel)
[IL-1 family members are differently expressed in mouse epididymis regions; possible involvement in male infertility](#)

Witczak O., Aschim E.L., Andersen J.M., Skram I.V., Windju S., Sørensen M., Sandbu R., Hjelmæsæth J., Haugen T.B. (Tønsberg, Norway)

[Obesity and male reproductive function](#)

DeBoer K., Borg C., Jamsai D., Prawer R., Adams V., O'Bryan M. (Melbourne - Canberra, Australia)

[Identification of a novel gene involved in male fertility](#)

Jahnukainen K., Heikkinen R., Henriksson M., Cooper T., Viertomies L. R., Mäkitie O. (Stockholm, Sweden)
[Semen quality and fertility in survivors of childhood acute lymphoblastic leukemia: a cohort study](#)

Sutovsky M., Miranda-Vizuete A., Buckman C., Ozanon C., Ahlering P., Rodriguez H., Levy S., Manandhar G., Sutovsky P. (Columbia - St. Louis, MO, USA; Sevilla, Spain; Lyon, France)

[Validation of Sperm Thioredoxin SPTRX3 as a Biomarker of Human Male Infertility and Predictor of Multiple Births in Couples Treated for Infertility](#)

12:30 – 16:00

Lunch and departure