

**II Polish-French Symposium
Endocrinology of Reproductiveness
23-25 April 2009
KRAKÓW**

THE PLENARY LECTURE:

" Human reproduction : possibilities and ethical restrictions "

R. Frydman

Paris, France

Session I:

-GAMETOGENESIS-

1. "Study of the intratesticular regulation of spermatogenesis by ex-vivo approaching"

P. Durand

ENS-Lyon

2. "Gonades fœtales Development of the human fetal testis"

V. Rouiller-Fabre

Virginie Rouiller-Fabre-INSERM U 566/ CEA/ Université Paris 7
DSV-IRCM-SCSR BP6.92265 Fontenay aux Roses (France)

3. "Membranae cooperation between gametes during fecondation "

Jean Philippe Wolf, Ahmed Ziyat, Virginie Barraud Lange, Brigitte Lefevre, Catherine Serres, Yana Auer;

IFR A Jost, Université Paris Descartes.

4. "Serpin EP45 stimulates oocyte maturation in *Xenopus laevis*. Proteomic study and functional analysis. "

J. Kubiak

Institute of Genetics & Development, UMR 6061 CNRS/University of Rennes 1, "Mitosis & Meiosis" Group, 2 Ave. Prof. Léon Bernard, 35043 Rennes cedex, France

5. "Oocyte specific genes – do they play a role in the reproduction ? "

B. Męczekalski

Klinika Endokrynologii Ginekologicznej, Uniwersytet Medyczny im. Karola Marcinkowskiego w Poznaniu, Poland

Session II:

-REGULATION OF REPRODUCTIVE FUNCTIONS-

1. "The GnRH receptor and the response of gonadotrope cells to GnRH pulse frequency code"

Raymond Counis, Ghislaine Garrel-Lazayres, Jean-Noël Laverrière, Violaine Simon, Christian Bleux, Solange Magre, Joëlle Cohen-Tannoudji

Physiologie de l'axe gonadotrope, Biologie Fonctionnelle et Adaptative, CNRS-Université Paris Diderot-Paris 7, Bât. Buffon, 4 rue Marie-Andrée Lagroua-Weill-Hallé, 75205 Paris cedex 13 (France).

2. " FSH β gene mutation in a female with delayed puberty and hypogonadism : response to recombinant human FSH "

M.L. Kottler, N Richard, O Chabre, I Huhtaniemi, S Alain, J Young

Université de Caen et Centre Hospitalo-Universitaire de Caen- F 14033 Caen.

3. "Involvement of the connexin gene family in the control of spermatogenesis: physiological and physiopathological aspects"

Segretain Dominique, Carette Diane, Gilleron Jérôme, Fiorini Céline, Pointis Georges

INSERM U 895, «Physiopathology of germ cell control: genomic and non genomic mechanisms» C3M, 151 route Saint-Antoine de Ginestière, BP 2 3194, 06204 Nice cedex 3 and Université de Paris Descartes, 45 rue des Saint-Pères, 75006, Paris, France.

4. "Effects of adjudin on blood-testis barrier dynamics"

Ilona A. Kopera¹, Linlin Su², Barbara Bilinska¹, C. Yan Cheng² and Dolores D. Mruk²

¹Jagiellonian University, Department of Endocrinology and Tissue Culture, Institute of Zoology, Krakow, Poland

²Population Council, Center for Biomedical Research, 1230 York Avenue, New York, NY

Session III :

- PATOPHYSIOLOGY OF MALE REPRODUCTIVE FUNCTIONS -

1. "Reprogramming the male genome: discovering new molecular actors and causes of male infertility"

Rousseaux, S. (1,2); Gaucher, J. (1,2); Moriniere, J. (3); Vitte, A.L. (1,2); Benitski, S. (1,2); Derobertis, C. (1,2); Hennebicq, S. (1,2); Muller, C. (4); Petosa, C. (3); Khochbin, S. (1,2)

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(3) EMBL Grenoble Outstation, BP 181 38042 Grenoble France; (4) EMBL, Heidelberg, D-60117 Germany

2. "New insights about the evaluation of human sperm quality: the aromatase example"

I.Galeraud-Denis, C. Travert and S. Carreau

Caen, France

3. "AZOOSPERMIE SÉCRÉTOIRE OU AZOOSPERMIE NON OBSTRUCTIVE : LE PRÉLÈVEMENT TESTICULAIRE DE SPERMATOZOÏDES EN VUE DE FIV ICSI"

J.M. Rigot

Lille, France

4. "Oxidative stress, innate immunity and sperm quality"

Maciej Kurpisz, Monika Fraczek, Anna Szumala-Kakol¹, Piotr Jedrzejczak²

Institute of Human Genetics, Polish Academy of Sciences, Poznan, ¹Unit of Microbiology, Poznan Hospital Medical College, ²Clinic of Infertility and Reproductive Endocrinology, University of Medical Sciences, Poznan, Poland

5. "Testicular dysgenesis syndrome: a possible cause of male reproductive system disorders"

Jolanta Słowikowska-Hilczer

Katedra Andrologii i Endokrynologii Płodności, Uniwersytet Medyczny w Łodzi

Session IV :

-PATOPHYSIOLOGY OF FEMALE REPRODUCTIVE FUNCTIONS-

1. "Transcription factor FOXL2 in ovarian development and function"

Reiner A. VEITIA and Marc FELLOUS

¹Institut Cochin, Université Paris Descartes, CNRS (UMR 8104), Paris, France. ²Inserm, U567, Paris, France. ³Université Denis Diderot, Paris VII, 75013 Paris

2. " Obesity, metabolic syndrome, endothelial dysfunction in women with polycystic ovary syndrome – relation with insulin sensitivity and genetic factors"

Irina Kowalska

Department of Endocrinology, Diabetology and Internal Medicine, Medical University of Bialystok, Poland

3. "Use of lytic peptides as anticancer drug and contraceptive agent"

Marek Bogacki

IAR/FR PAS Olsztyn

4. "Maternal Lactocrine Programming of Female Reproductive Development"

Frank F. Bartol^{1} and Carol A. Bagnell²*

¹Departments of Animal Sciences and Anatomy, Physiology and Pharmacology, Cellular and Molecular Biosciences Program, Colleges of Agriculture and Veterinary Medicine, Auburn University; ² Department of Animals Sciences, Endocrinology and Animal Biosciences Program, Rutgers University, USA

Session V:

-MEDICALLY AIDED REPRODUCTION-

1. "The protocol for stimulation of poor responders"

F. Olivennes

Paris, France

2. Evidence based comparison between GnRH agonist and antagonist protocol.

J.N. Hughes

Paris, France

3. "Expression and subcellular localization of BCL-2 family cell death regulators in human gametes and preimplantation embryos"

GUILLEMIN Yannis¹, BOUMELA Imène¹, GUERIN Jean-François² and AOUACHERIA Abdel¹

¹ Apoptosis and Oncogenesis Laboratory, IBCP - Institute of Biology and Chemistry of Proteins, UMR 5086 CNRS/UCBL - Claude Bernard University Lyon 1, IFRI28, 7 passage du Vercors, Lyon, F-69367, France

² Laboratoire de Biologie de la Reproduction, Hôpital Edouard Herriot, Lyon, France.

4. "Prediction of male fertility - Is it possible?"

Rafał Kurzawa

UM w Szczecinie

5. "FIV and AMH \leq 2ng/ml"

KHROUF M, BRICAIRE L, MAYENGA JM, GREFENSTETTE I, MOKDAD A, SERKINE AM, CHOURAQUI A, ABIRACHED F, PLACHOT M, COHEN-BACRI P, BENHAIM JL, KULSKI O ET BELAISCH-ALLART J
Paris

Session VI :

-PLACENTA-IMPLANTATION-

1. "Development and hormonal functions of the human placenta"

Malassiné A, Guibourdenche J, Fournier T, Evain-Brion D.

INSERM UMR 767 Paris Descartes ; Fondation PremUP ;
4 Avenue de l'Observatoire 75006 Paris

2. "The physiopathology of implantation: clinical consequences"

Philippe Merviel, Emmanuelle Lourdel, Rosalie Cabry, Marie-France Olieric, Charlotte Claeys, Marianne Roche, Odile Gagneur, Ségolène Lanta, Aviva Devaux, Jean Gondry, Henri Copin

Service de Gynécologie-Obstétrique et Médecine de la Reproduction (CGO) et Laboratoire de Biologie de la Reproduction et Cytogénétique

3. "Implantation in domestic animals: mechanisms and insights"

Thomas Spencer

Texas A&M University, College Station, USA

4. "Changes in the endometrial vascular bed during early pregnancy"

Kaczmarek MM, Blitek A, Kiewisz J, Ziecik AJ

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Session VII :

-ENVIRONMENT / AGING AND REPRODUCTION-

1. "Effects of phthalates on the development of the fetal testis"

René Habert

Unit Gametogenesis and Genotoxicity, Team Development of the Gonads, INSERM U566 / CEA / University Paris Diderot Paris 7
CEA Center ;92 265 Fontenay aux Roses – FRANCE

2. "Combining PBDE-47, 99, 100 and 209 at levels noted in human blood dramatically enhances progesterone secretion by ovarian follicles"

Ewa L Gregoraszczyk, Anna Karpeta, Anna Ptak

Jagiellonian University, Kraków, Poland

3. "Are soy-bean delivered isoflavones risk factors in reproduction: fact or myth? "

Izabela Wioławek-Potocka, Dariusz J. Skarzynski

IAR/FR PAS Olsztyn; PAN Olsztyn

4. "Maternal diet alters mouse embryo developmental potential and long-term health"

Tom Fleming

U.S.A.

5. "Effects of lipid and cholesterol enriched diets on embryo development and long term offspring development in the rabbit"

Pascale Chavatte-Palmer

Session VIII

-PATOPHYSIOLOGY OF REPRODUCTION-

1. "Functional aspects of immune cells that allow for interaction with ovarian cells"

Prof. Joy Pate

Penn University; USA

2. "Role of system biology approaches in endometriosis research"

Piotr Laudanski

Uniwersytet Medyczny w Białymstoku, Poland

3. "Ryzyko obniżonej płodności u mężczyzn i nieprawidłowego wyniku ciąży w wyniku ekspozycji na zanieczyszczeniami powietrza w miejscu zamieszkania - przegląd badań epidemiologicznych. Wstępne wyniki projektu Repro_PL"

Wojciech Hanke, Kinga Polańska, Joanna Jurewicz,

Instytut Medycyny Pracy, Zakład Epidemiologii Środowiskowej, Pracownia Środowiskowych Zagrożeń Reprodukcyjnych, Ul. Teresy 8, 91-348 Łódź, Poland

4. "Zaburzenia kardiometaboliczne w zespole policystycznych jajników"

Robert Z. Spaczyński

Klinika Niepłodności i Endokrynologii Rozrodu, Uniwersytet Medyczny im. K. Marcinkowskiego w Poznaniu

POSTERS

1. "Transcripts of Vitamin D₃ Receptor and aromatase in immature rat Sertoli cells: in vitro studies"

Zanatta, L.; Bouraima, H.; Bois, C.; Delalande, C.; Silva, F.R.M.B.; Carreau, S

2. "Role du vieillissement testiculaire sur la sexualité (andropause) étude sur 300 cas"

Reda Raef, Reda Mohamad, Charaf El deen Anan

Hôpital Al Hayat, service d'urologie Beyrouth

3. "Age-related changes in the mitogenic effect of hyaluronidase in cultured rat peritubular cells"

Marion VANNESTE^{1,2}, Jérémy LE MASSON^{1,2}, Jérôme LEVALLET^{1,2} and Pierre-Jacques BONNAMY^{1,2}.

¹ UNIVERSITE DE CAEN-BASSE NORMANDIE, EA 2608, F-14032 CAEN CEDEX, FRANCE.

² INRA, USC 2006, F-14032 CAEN CEDEX, FRANCE.

4. "Comparison of GnRH agonist and GnRH antagonist protocols for controlled ovarian stimulation : evidence for a differential regulation pathway of aromatase gene expression in human lutein granulosa cells"

Mohamad KHALAF^{1,2}, Hervé MITTRE^{1,2}, Jérôme LEVALLET^{1,2}, Vincent HANOUX^{1,2}, Christine DENOUAL³, Michel HERLICOVIEZ³, Pierre-Jacques BONNAMY^{1,2} and Annie BENHAIM^{1,2,3}

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² INRA, USC 2006, F-14032 CAEN CEDEX, FRANCE.

³ CHU DE CAEN, LABORATOIRE DE FÉCONDATION IN VITRO, SERVICE DE GYNÉCOLOGIE OBSTÉTRIQUE, F-14033 CAEN CEDEX, FRANCE .

5. "The age-related decline in immature rat peritubular cells proliferation is associated with an increase in hyaluronan pericellular retention".

Jérémy LE MASSON^{1,2}, Marion VANNESTE^{1,2}, Jérôme LEVALLET^{1,2} and Pierre-Jacques BONNAMY^{1,2}.

¹ UNIVERSITE DE CAEN-BASSE NORMANDIE, EA 2608, F-14032 CAEN CEDEX, FRANCE.

² INRA, USC 2006, F-14032 CAEN CEDEX, FRANCE.

6. "Membrane-associated proteoglycans regulate Gs coupling to FSH receptor in immature rat Sertoli cells"

Guénaëlle LEVALLET^{1,2}, Jérôme LEVALLET^{1,2} and Pierre-Jacques BONNAMY^{1,2}.

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² INRA, USC 2006, F-14032 CAEN CEDEX, FRANCE.

BIOETHICAL SESSION

1. "Regulatory framework in Assisted reproductive technologies, relevance and main issues"

F. Merlet

2. "Problemy legislacyjne w zakresie prawa reprodukcyjnego w Polsce"

Waldemar Kuczyński

3. "Kolektywna intencjonalność"

Jacek Hołówka

Uniwersytet Warszawski