28th Annual
In Vitro Fertilization and Embryo Transfer
A Comprehensive Update – 2015

Sunday – Wednesday
July 19-22, 2015
Four Seasons Biltmore
Santa Barbara, California
This program brings together a renowned faculty to present the latest developments in every phase of in vitro fertilization and embryo management. The course addresses the needs of practicing scientists, gynecologists, reproductive endocrinologists, residents, and fellows who wish to review the specialty and update their knowledge in this rapidly changing and expanding field.

The intimate setting of the conference promotes extensive contact among speakers and participants with question periods, panels, and many opportunities for informal interaction. A very extensive course syllabus developed by the course instructors will be provided and an audience response system will be used to promote interaction with the speakers.

Particular attention will be devoted this year to the rapidly expanding trend toward deferred embryo transfer, new testing for endometrial receptivity, oocyte and embryo cryopreservation, time lapse imaging of early embryo development, the impact of obesity and the maternal environment on IVF success and perinatal morbidity, practical aspects of ultrasound-guided transfer technique, and next generation techniques for PGS. A laboratory mini-symposium directed by Dr. William B. Schoolcraft will cover time lapse imaging, new methods of embryo culture, oocyte and embryo vitrification, novel sperm selection techniques, and comprehensive chromosome screening.

Program Objectives

- To become familiar with standard, successful methods of each aspect of the clinical practice of assisted reproductive technology and in particular the very significant advantages of deferred embryo transfer, made possible through vitrification; alternatives to full stimulation; prevention of OHSS; the role of lifestyle issues in the male and female; time-lapse monitoring; aging of the follicle and oocyte; ovarian tissue and oocyte cryopreservation; newer techniques for Comprehensive Chromosome Screening; optimal hormone replacement for embryo transfer; and critical aspects of embryo transfer technique.

- To learn aspects of embryo culture and embryo management to achieve optimal results with IVF.

- To learn about novel methods for sperm selection, non-invasive methods for embryo selection, and options for fertility preservation for the woman with cancer.
**Program**

**28th Annual In Vitro Fertilization and Embryo Transfer**

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### Sunday, July 19

#### Afternoon

1:00  
Registration/Exhibits  

**Barbara E. Matheus, MD**

**Focus Session – GnRH Agonists and Antagonists**

1:10  
Adjuvants to Stimulation – Agonists, OC, Estrogen, LH, Low Dose Aspirin, Growth Hormone, Androsterone, Letrozole, DHEA, Dexamethasone.  
*David R. Meldrum, MD*

1:35  
Advantages and Disadvantages of GnRH Antagonists.  
*Antonio Pellicer, MD*

1:55  
GnRH Antagonist Cycles – Is There an Ideal Gonadotropin Regimen and Are There Specific Instances When Deferred Transfer Should be Recommended?  
*Richard T. Scott, Jr., MD, HCLD*

2:15  
Panel/Questions and Answers  
Drs. Pellicer, Scott  
Moderator: Dr. Meldrum

2:30  
Coffee Break/Exhibits

**Focus Session – Alternatives to Full Stimulation and Fresh Transfer**

3:00  
Natural and Modified Natural Cycles  
*David R. Meldrum, MD*

3:15  
With Vitrification and Deferred Transfer, is Clomiphene Citrate the New “Natural” Cycle?  
*Bill Yee, MD*

3:30  
Clomiphene Citrate/Gonadotropins  
*Antoni J. Duleba, MD*

3:50  
Etiology, Prevention and Treatment of Ovarian Hyperstimulation  
*Antonio Pellicer, MD*

4:20  
Is Lupron Trigger and Delayed Embryo Transfer the Optimal Approach for Women With PCOS Undergoing IVF, and Will Delayed Transfer be Optimal for Other Patient Groups Having a Reduced Prognois in Fresh Transfer Cycles?  
*Antoni J. Duleba, MD*

4:40  
Panel/Questions and Answers:  
The Future of COH  
Drs. Yee, Duleba, Pellicer  
Moderator: Dr. Meldrum

5:00  
Adjourn

6:00  
Welcome Reception

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### Monday, July 20

#### Morning

7:00  
Continental Breakfast/Exhibits

8:00  
Transvaginal Follicle Aspiration – Making Difficult Retrievals Easier and Minimizing Risks  
*David R. Meldrum, MD*

8:30  
Questions and Answers

8:40  
Uterine Receptivity and the Importance of Embryo-Endometrial Synchrony  
*Carlos Simon, PhD*

9:10  
Questions and Answers

9:20  
Medical and Surgical Treatment of Endometriosis Before IVF – Help or Harm?  
*Dominique de Ziegler, MD*

9:45  
Questions and Answers

10:05  
Fertility Preservation for the Woman with Cancer  
*Antonio Pellicer, MD*

10:20  
Questions and Answers

10:30  
Coffee Break/Exhibits

11:00  
Medical Conditions and IVF – Obesity, Thyroid, Depression, Hypertension  
*Marcelle I. Cedars, MD*

11:15  
Uterine Defects and Implantation  
*Daniela Galliano, MD, PhD*

11:35  
Questions and Answers

11:45  
Stem Cells and Tissue Engineering in Reproductive Medicine – Can We Fashion New Eggs, Sperm and Endometrium?  
*Carlos Simon, PhD*

12:10  
Questions and Answers

12:20  
Lunch
Tuesday, July 21

Morning
7:00 Continental Breakfast/Exhibits
8:00 What Makes a Man Infertile and How do We Find him?
Craig Niederberger, MD, FACS
8:20 Questions and Answers
8:30 The Role of the Sperm in Achieving the Best Embryos In Vitro
Douglas T. Carrell, PhD, HCLD
8:50 Questions and Answers
9:00 The Difficult ICSI Cases – Cryptozoospermia, Immotile Sperm, and Where ICSI Has Previously Failed
Isaac Kligman, MD
9:20 Questions and Answers
9:30 How to Best Get Sperm From an Obstinate Testicle?
Craig Niederberger, MD, FACS
9:50 Questions and Answers
10:00 Coffee Break/Exhibits
10:30 The Limits of Day 3 Biopsy for PGS- A Re-evaluation
Mandy Katz-Jaffe, PhD
10:50 Questions and Answers
11:00 Comprehensive Chromosome Screening – Is NextGen Likely to Be the Final Best Platform?
Richard T. Scott, Jr., MD, HCLD
11:20 Questions and Answers
11:30 Non-Invasive Methods for Embryo Selection
William B. Schoolcraft, MD
11:50 Questions and Answers
12:00 In Vitro Activation (IVA) of Ovarian Follicles for Infertility Treatment
Aaron J.W. Hsueh, PhD
12:20 Questions and Answers
12:30 Lunch
Afternoon:
Optional Mini-Symposium on the IVF Laboratory: Debates
1:30 Novel Imaging Techniques vs. Standard Imaging for Oocytes, Sperm, and Embryos
Gary D. Smith, PhD, HCLD
Jason E. Swain, PhD, HCLD
1:50 Questions and Answers
2:00 Oocyte vs. Embryo Banking
Mandy Katz-Jaffe, PhD
Ana Cobo, PhD
2:20 Novel Sperm Selection Techniques (PICSI, IMSI) vs. Standard Methods
Thomas B. Pool, PhD, HCLD
Douglas T. Carrell, PhD, HCLD
2:30 Time-Lapse – Will it Improve Embryo Selection?
Kirstine Kirkegaard, MD, PhD
Thomas B. Pool, PhD, HCLD
4:00 Routine CCS For All Patients vs. Selected Application
Mandy Katz-Jaffe, PhD
Jason E. Swain, PhD, HCLD
4:30 Continuous, Uninterrupted Culture vs. Interrupted Culture/Media Change
Thomas B. Pool, PhD, HCLD
Gary D. Smith, PhD, HCLD
5:00 Panel/Questions and Answers
5:30 Adjourn

Wednesday, July 22

Morning
7:00 Continental Breakfast/Exhibits
8:00 Some Adverse Outcomes are Higher with ART- Is Prevention Possible?
Joseph C. Gambone, DO, MPH
8:30 Questions and Answers
8:40 The Endometrium and IVF – Morphologic and Histopathologic Changes Preventing Ongoing Pregnancy
Dominique de Ziegler, MD
9:10 Questions and Answers
9:20 Transfer Technique – The Precision of Ultrasound-guided Transfer is Crucial for SET
William B. Schoolcraft, MD
9:50 Questions and Answers
10:00 Coffee Break/Exhibits
10:30 Single Embryo Transfer - The Ultimate Goal to Optimize IVF Outcomes
Gabriel Garzo, MD
10:50 Questions and Answers
11:00 The Barker Hypothesis – Optimizing the Health of Our IVF Offspring May Also Involve Paying Attention to the Male Contribution.
Daniel A. Dumesic, MD
11:20 Questions and Answers
11:30 Immunological and Hematologic Evaluation Prior to IVF and For RSA – When Should Thrombophilia Testing be Done?
Richard T. Scott, Jr., MD, HCLD
11:50 Questions and Answers
12:00 Legal Pitfalls of ART – How to Keep You and Your Patients Out of Hot Water
Susan L. Crockin, JD
12:20 Questions and Answers
12:30 Adjourn

For other UCLA CME Offerings: www.cme.ucla.edu or
E-mail: cme@deans.medsch.ucla.edu or FAX: (310) 794-2624
ACCREDITATION
The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, designates this live activity for a maximum of 21 AMA PRA Category 1 credit(s)™. (18 credits for the general session, 3 credits for the mini-symposium on the IVF laboratory). Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure
The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is "truly independent" and free of commercial influence. In addition to independence, the FDA requires that non-promotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program’s participants. In addition, Accreditation Council for Continuing Medical Education policy now mandates that the provider adequately manage all identified potential conflicts of interest prior to the program. We at UCLA fully endorse the letter and spirit of this concept.

FEES
$1,350.00 Physicians/Laboratory Directors
$1,000.00 Residents, Technicians, Nurses (accompanying confirmatory letter of status from department chief or training director)

Mini-symposium on the IFV Laboratory
$200.00 all registrants

Enrollment fee includes continental breakfast 3 days; lunch. 2 days for program participants, as well as a welcome reception for program participants and their spouse/guest.

THE SETTING
Santa Barbara
Founded in 1782, the city of Santa Barbara is proud of its Spanish colonial heritage. Situated amid 30 miles of spectacular, curving California coastline and partially encircled by coastal mountains, the city enjoys an ideal climate. Here lies a grand mix of art, history, culture, and entertainment for free-time activities. One may wish to stroll along the palm-lined beaches, visit Stearns Wharf (with its specialty shops, restaurants, and fishing pier), the grand Mission Santa Barbara, world-famous Spanish Courthouse, and old adobes. Santa Barbara also has many art galleries, several museums, botanical gardens, and fine antique shops. The University of California, Santa Barbara has an extensive library and distinguished institute of environmental stress. Nearby, in the Santa Ynez valley, is the quaint Danish village of Solvang, and tours of local vineyards are available. The sunny oceanside environment has an average year-round temperature of 70 degrees with little or no rainfall in late summer.

ACCOMMODATIONS
THE FOUR SEASONS BILTMORE
1260 Channel Drive
Santa Barbara, CA 93108
(805) 969-2261

The course is being held at the exclusive Four Seasons Biltmore Hotel. A block of rooms has been reserved and will be held until June 6, 2015 for seminar participants at a special conference rate of $465 per night, single or double occupancy, plus 10.08% sales tax (subject to change). A California Tourism Assessment fee of 0.08% will also be charged to each guest bill as well as a Santa Barbara Tourism Assessment fee of $2 per room night. Confirmation of reservations received after June 6, 2015 are subject to availability. There is always the possibility our room block might sell out prior to June 6, 2015 in which case rooms will be sold at a higher rate based on availability. Please reserve early. Each program participant is limited to one guestroom at the conference rate.

CONFERENCE PARKING
Overnight self-parking is complimentary (usually $19). If you choose to leave your car overnight with the valet, the fee is $35 per night. (The valet overnight rate is subject to change.)

Four Seasons Biltmore Hotel Reservation Instructions
Please Read Carefully!
Once you have enrolled in the conference, you will be mailed, along with your course registration confirmation, a Four Seasons Biltmore room reservation form. Once received, this form must be FAXED directly to The Four Seasons to secure your hotel reservation. This is the only way to reserve a room at The Four Seasons. FAX this form directly to the hotel as soon as you receive it. Faxing instructions will be on the form. The sooner you enroll, the sooner you can make your hotel reservation. All reservation arrival and/or departure dates must be finalized no later than 40 days (6/6/15) prior to the UCLA In Vitro Fertilization conferences beginning on July 19, 2015. Any changes made by the participants’ arrival and/or departure dates, received by the hotel less than 40 days in advance will become the sole responsibility of the UCLA IVF conference participant. The hotel will attempt to resell all rooms released in an effort to mitigate UCLA conference participants’ potential liability. However, if a guestroom is released and remains unsold by the hotel, the UCLA conference participant will personally assume the guestroom per night charge for the unsold room. For questions regarding reservations, please call 805-565-8299.

Thank you for your cooperation.

THE MONTECITO INN
1295 Coast Village Road
Santa Barbara, CA 93108

A small block of rooms has also been reserved at The Montecito Inn, just two blocks away from The Four Seasons Biltmore at a special conference rate of $284-355 for a standard King Room, and $300-375 for a Mountain View King room per night plus city and room tax. If
you would prefer to stay at this hotel, please call them directly and mention the UCLA IVF conference when making the reservation. Outside California call 800-843-2017 or call 805-969-7854 inside California.

**Ground Transportation**
Taxi service is available from the Santa Barbara airport to The Four Seasons Biltmore.

**General Information**

**Refunds**
Cancellations must be received in writing by June 17, 2015, and will be subject to a $75 processing fee. No refunds will be given after June 17th. A full refund will be provided if for any reason the course must be canceled or rescheduled. For additional information, contact The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, 10920 Wilshire Blvd., Ste. 1060, Los Angeles, CA 90024-6512, (310) 794-2620.

**Enrollment**
Enrollment is limited. Early enrollment is strongly suggested.

**By Mail**
Enroll now by mail using form attached. For additional applications, use photocopy or separate sheet giving all information requested on form.

**By Phone**
For your convenience, enrollment may be charged on your MasterCard, VISA, American Express or Discover. Call (310) 794-2620.

**By FAX**
Send completed enrollment form with charge card information and authorizing signature. FAX Number (310) 794-2624. Online www.cme.ucla.edu. Go to course listings, scroll down to this conference and follow the instructions for online enrollment.
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IN VITRO FERTILIZATION
AND EMBRYO TRANSFER
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July 19-22, 2015
FOUR SEASONS BILTMORE
SANTA BARBARA, CALIFORNIA