

Schedule of Events

Sunday, 25 May 2008

7:00 pm–9:00 pm
Finance Committee Meeting.

Monday, 26 May 2008

8:00 am–5:00 pm
SSR Board of Directors' Meeting. *Bayview Meeting Rooms*

3:00 pm–6:00 pm
Meeting Registration. *Sheraton Keauhou Rotunda*

6:00 pm–8:00 pm
Kamaha'o Luau Dinner & Show (*optional event*)

Tuesday, 27 May 2008

8:00 am–11:30 am
Editorial Retreat. *Hualaiai Bayview Meeting Room*

9:00 am–12:30 pm
Trainee Placement and Career Development Service. *Trainee Placement/Exhibits Tent*

9:00 am–5:00 pm
Meeting Registration. *Sheraton Keauhou Rotunda*
Slide Preview Room. *Convention Center Entrance*

9:00 am–10:00 am
Volunteers' Meeting. *Keauhou Boardroom*

10:00 am–11:00 am
Session Chairs' Meeting. *Session Tent*

11:15 am–12:45 pm
Minority Affairs Luncheon, by invitation (*Supported by a career development grant from the Burroughs Wellcome Fund*). *Crystal Blue Terrace*

1:00 pm–2:30 pm
Opening Ceremony. *Keauhou I-II*.
Welcome. **Douglas M. Stocco, Ph.D.**, President, SSR (Texas Tech University, Lubbock, Texas).
Memorial Remarks: **Remembering Matt Hardy**. **Barry R. Zirkin, Ph.D.** (Johns Hopkins University, Baltimore, Maryland).
Welcome Remarks. **John R. McCarrey, Ph.D.**, Chair, SSR Program Committee (University of Texas at San Antonio, San Antonio, Texas); **W. Steven Ward, Ph.D.**, Chair, SSR Local Arrangements Committee (University of Hawaii, Honolulu, Hawaii).
Awards Presentations. Introduction: **Robert A.**

Cushman, Ph.D., Chair, SSR Awards Committee (USDA/ARS/USMARC, Clay Center, Nebraska).

Carl G. Hartman Award: Sudhansu K. Dey, Ph.D. (Vanderbilt University, Nashville, Tennessee).

SSR Research Award (*sponsored by NV Organon*): **Randy Prather, Ph.D.** (University of Missouri, Columbia, Missouri).

SSR New Investigator Award (*sponsored by the Virendra B. Mahesh New Investigator Fund*): **Humphrey H-C. Yao, Ph.D.** (University of Illinois, Urbana, Illinois).

Distinguished Service Award (*sponsored by EMD Serono Research Institute, LLC*): **Joanne Fortune, Ph.D.** (Cornell University, Ithaca, New York).

Recognition of Lalor Foundation Merit Fellows (*sponsored by the Lalor Foundation*) and **USDA CSREES National Research Initiative Merit Fellows** (*sponsored by the USDA CSREES National Research Initiative*).

Presentation of Trainee Research Finalists (*Trainee Research Awards sponsored by EMD Serono Research Institute, LLC*).

Recognition of Burroughs Wellcome Fund Fellows and Junior Faculty (*sponsored by the Burroughs Wellcome Fund*): and **FASEB MARC Fellows** (*sponsored by the FASEB MARC Program*): **Nongnuj Tanphaichitr, Ph.D.**, Chair, SSR Minority Affairs Committee (Ottawa Health Research Institute, Ottawa, Ontario, Canada).

2:30 pm–3:30 pm

Keynote Address. *Keauhou I-II*

Introduction: Douglas M. Stocco, Ph.D., President, SSR (Texas Tech University, Lubbock, Texas).

Evan Simpson, Ph.D. (Prince Henry's Institute of Medical Research, Monash Medical Center, Clayton, Victoria, Australia), *Sex, Fat, and Ovarian Cancer*. (Abstract 1)

3:30 pm–4:00 pm

Refreshment Break. *Keauhou Convention Center Foyer and Lawn*

4:00 pm–4:45 pm

Concurrent Lectures. *Keauhou I, II, and III-IV.*

SRF New Investigator Lecture. *Keauhou III-IV.*

Kurt J. Sales, Ph.D. (The Queen's Medical Research Institute, Edinburgh, United Kingdom), *Cyclooxygenase Enzymes and Prostaglandin Receptors: Insights into Mechanisms and Control of Uterine Pathology*. (Abstract 2). **Introduction: Mitch Eddy, Ph.D.**, Past President, SSR (Chapel Hill, North Carolina).

ASRM Distinguished Research Lecture.

Keauhou II. **Robert N. Taylor, M.D., Ph.D.** (Emory University School of Medicine, Atlanta, Georgia), *Human Placental Angiogenesis and Its Implications in Disorders of Pregnancy* (Abstract 3). **Introduction: Andrew R. LaBarbera, Ph.D.** (Scientific Director, American Society of Reproductive Medicine, Birmingham, Alabama).

SSR New Investigator Lecture. *Keauhou I.* **Humphrey H-C. Yao, Ph.D.** (University of

Illinois, Urbana, Illinois), *To Be or Not To Be: Cell Fate Determination in Fetal Testes* (Abstract 4). **Introduction: Virendra B. Mahesh, Ph.D., D.Phil.** (Medical College of Georgia, Augusta, Georgia).

5:00 pm–6:30 pm

Platform Sessions 1–6 (6 concurrent sessions).

Keauhou I, II, and III-IV; Keauhou Boardroom; Session Tent; Bayview Meeting Rooms

Platform Session 1 (Abstracts 5–10).

Neuroendocrinology. *Keauhou Boardroom.*

Chair: Reid Norman, Ph.D. (Texas Tech University, Lubbock, Texas); **Co-Chair:**

Christopher A. Pearl, Ph.D. (Washington University School of Medicine, St. Louis, Missouri).

Platform Session 2 (Abstracts 11–16).

Spermatogenesis, Germ Cells, and Sertoli Cells. *Session Tent.* **Chair: Dale Buck Hales,**

Ph.D. (University of Illinois, Chicago, Illinois); **Co-**

Chair: Denise Archambeault (University of Illinois, Urbana, Illinois).

Platform Session 3 (Abstracts 17–22). **Cloning & Reproductive Technologies.** *Keauhou III-IV.*

Chair: Monika Ward, Ph.D. (University of Hawaii, Honolulu, Hawaii); **Yasuhiro Yamauchi, Ph.D.** (University of Hawaii, Honolulu, Hawaii).

Platform Session 4 (Abstracts 23–28).

Implantation and Pregnancy I: Peri-Implantation Period of Pregnancy. *Keauhou I.*

Chair: Fuller W. Bazer, Ph.D. (Texas A&M University, College Station, Texas); **Co-Chair: Rebecca C. Bott** (Colorado State University, Fort Collins, Colorado).

Platform Session 5 (Abstracts 29–34). **Gene Expression and Development.** *Keauhou II.*

Chair: Kelwyn Thomas, Ph.D. (Morehouse School of Medicine, Atlanta, Georgia); **Wei Hu, Ph.D.** (NIDDK/NIH, Bethesda, Maryland).

Platform Session 6 (Abstracts 35–40). **Uterine Physiology & Pathophysiology.** *Bayview Meeting Rooms.*

Chair: Beverly S. Chilton, Ph.D. (Texas Tech University, Lubbock, Texas); **Co-Chair: Niamh Forde, Ph.D.** (University College of Dublin, Dublin, Ireland).

6:45 pm–8:00 pm

Opening Night Reception. *Crystal Blue Terrace and Point*

Wednesday, 28 May 2008

6:30 am–7:30 am

Volunteers' Meeting. *Trainee Placement/Exhibits Tent*

Emeritus/Senior Breakfast. *Mauna Kea Bayview Meeting Room*

6:30 am–8:00 am

Continental Breakfast. *Pool Terrace, Keauhou Convention Center Foyer and Lawn*

7:00 am–9:00 am

Poster Session A (Abstracts 41–153). *Poster Tent*
Trainee Placement and Career Development Service. *Trainee Placement/Exhibits Tent*

7:00 am–9:30 am

Exhibits. *Trainee Placement/Exhibits Tent*

7:00 am–5:00 pm

Slide Preview Room. *Convention Center Entrance*
Meeting Registration. *Sheraton Keauhou Rotunda*

8:00 am–9:00 am

Committee Meetings.

Awards. *Keauhou Boardroom*

Public Affairs. *Keauhou I*

Future Meeting Sites. *Keauhou II*

Publications. *Keauhou III-IV*

9:00 am–9:30 am

Refreshment Break. *Keauhou Convention Center Foyer and Lawn*

9:30 am–11:00 am

Minisymposium I-V (5 concurrent sessions).

Keauhou I, II, and III-IV, Session Tent, Bayview Meeting Rooms

Minisymposium I. *Keauhou I.* **A New Frontier in Ovarian Cellular Physiology: Ion Channels of Endocrine Ovarian Cells and Their Regulators.**

(Supported in part by an educational grant from EMD Serono Research Institute, LLC) **Chair: Artur Mayerhofer, M.D., Ph.D.** (University of Munich, Munich, Germany).

Lisa C. Freeman, D.V.M., Ph.D. (Kansas State University, Manhattan, Kansas), *The Cav2.3 Calcium Channel and Growth Factor Signaling in Epithelial Ovarian Cancer.* (Abstract 154)

Rogelio O. Arellano, Ph.D. (Instituto de Neurobiología UNAM, Queretaro, Mexico), *Paracrine Purinergic Signaling Between Ovarian Cells.* (Abstract 155)

Artur Mayerhofer, M.D., Ph.D. (University of Munich, Munich, Germany), *Ion Channels of Human Ovarian Cells: Identification, Regulation, and Insights into Their Function.* (Abstract 156)

Minisymposium II. *Bayview Meeting Rooms.* **Cell Fate Decisions in the Early Mammalian Embryo: Random or Biased?** **Chair: Richard M. Schultz, Ph.D.** (University of Pennsylvania, Philadelphia, Pennsylvania).

Lynne Selwood, Ph.D. (University of Melbourne, Parkville, Victoria, Australia), *Maternal Determinants and the Polarized Marsupial Oocyte.* (Abstract 157)

Magdalena Zernicka-Goetz, Ph.D. (University of Cambridge, Cambridge, England), *Cell Fate, Plasticity, and Pluripotency in the Early Mouse Embryo.* (Abstract 158)

Takashi Hiragi, M.D., Ph.D. (Max Planck Institute, Muenster, Germany), *Unique Principles in Early Mammalian Development.* (Abstract 159)

Minisymposium III. *Keauhou II. Spermatogonial Renewal and Differentiation: Comparative Aspects.* Chair: **Tony M. Plant, Ph.D.** (University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania).

Erika Matunis, Ph.D. (Johns Hopkins University School of Medicine, Baltimore, Maryland), *The Ins and Outs of Spermatogonial Stem Cell Renewal in the Drosophila Testis.* (Abstract 160)

Goro Yoshizaki, Ph.D. (Tokyo University of Marine Science & Technology, Tokyo, Japan), *Developmental and Sexual Plasticity of Spermatogonia in Fish.* (Abstract 161)

Kyle Orwig, Ph.D. (University of Pittsburgh, Pittsburgh, Pennsylvania), *Recent Progress Studying Spermatogonial Stem Cells in Primates.* (Abstract 162)

Minisymposium IV. *Keauhou III-IV. Monitoring Cell-Cell Conversations in the Epididymis.*

Chair: **Sylvie Breton, Ph.D.** (Massachusetts General Hospital, Boston, Massachusetts).

Robert Sullivan, Ph.D. (Université Laval, Quebec City, Canada), *Principal Cells' Apocrine Secretion of Epididymosomes and Its Function in Sperm Maturation.* (Abstract 163)

Patricia Martin-DeLeon, Ph.D. (University of Delaware, Newark, Delaware), *Mechanisms of Sperm Acquisition of Glycosyl-phosphatidylinositol (GPI)-linked Epididymal Proteins.* (Abstract 164)

Barry T. Hinton, Ph.D. (University of Virginia, Charlottesville, Virginia), *Conversations Between the Testis and the Epididymis: The Testis Does All the Talking.* (Abstract 165)

Minisymposia V. *Session Tent. Novel Contraceptives for the 21st Century.* Chair:

Mary B. Zelinski, Ph.D. (Oregon National Primate Research Center, Beaverton, Oregon).

Mary B. Zelinski, Ph.D. (Oregon National Primate Research Center, Beaverton, Oregon), *On the Horizon: Nonsteroidal Contraceptive Targets in the Female Ovary and Reproductive Tract.* (Abstract 166)

Joseph S. Tash, Ph.D. (University of Kansas Medical Center, Kansas City, Kansas), *Gamendazole: A Potent Antispermato-genic Contraceptive Agent with Novel Targets HSP90 β and eEF1A.* (Abstract 167)

William J. Bremner, M.D., Ph.D. (University of Washington, Seattle, Washington), *Prospects for New Male Contraceptives.* (Abstract 168)

11:00 am–1:00 pm

Lunch Break. *Keauhou Convention Center Foyer and Lawn, Pool Terrace, Crystal Terrace*

Poster Session B (Abstracts 169–282). *Poster Tent*

Trainee Placement and Career Development Service. *Trainee Placement/Exhibits Tent*

Exhibits. *Trainee Placement/Exhibits Tent*

11:30 am–12:30 pm

Committee Meetings.

Bylaws. *Keauhou Boardroom*

Program (2009). *Keauhou III-IV*

1:00 pm–3:00 pm

President's Symposium: In Honor of the Research Career of Ryuzo Yanagimachi. Chair: **Ryuzo Yanagimachi, Ph.D.** (University of Hawaii, Honolulu, Hawaii). *Keauhou I-II*

Introduction: Douglas M. Stocco, Ph.D., SSR President (Texas Tech University, Lubbock, Texas).

Ryuzo Yanagimachi, Ph.D. (University of Hawaii, Honolulu, Hawaii), *Historical Perspective: Germ Cell Research—A Personal Perspective.* (Abstract 283)

Takashi Shinohara, M.D., Ph.D. (Kyoto University Graduate School of Medicine, Kyoto, Japan), *Germline Modification in Spermatogonial Stem Cells.* (Abstract 284)

Richard M. Schultz, Ph.D. (University of Pennsylvania, Philadelphia, Pennsylvania), *From Egg to Embryo: A Peripatetic Journey.* (Abstract 285)

3:00 pm–3:30 pm

Refreshment Break. *Keauhou Convention Center Foyer and Lawn*

3:30 pm–5:00 pm

Platform Sessions 7–12 (6 concurrent sessions). *Keauhou I, II, and III-IV, Session Tent, Bayview Meeting Rooms, Keauhou Boardroom*

Platform Session 7 (Abstracts 286–291). **Stem Cells.** *Keauhou II.* Chair: **Jon M. Oatley, Ph.D.** (Penn State University, University Park, Pennsylvania); **Co-Chair: Olga M. Ocon-Grove** (Penn State University, State College, Pennsylvania).

Platform Session 8 (Abstracts 292–297). **Preimplantation Embryo Biology.** *Session Tent.* Chair: **Lynne Selwood, Ph.D.** (University of Melbourne, Parkville, Victoria, Australia); **Co-Chair: Karen A. Schindler, Ph.D.** (University of Pennsylvania, Philadelphia, Pennsylvania).

Platform Session 9 (Abstracts 298–303). **Male Reproductive Tract.** *Bayview Meeting Rooms.* Chair: **Mark P. Hedger, Ph.D.** (Monash University, Clayton, Victoria, Australia); **Co-Chair: Wei Zhou, Ph.D.** (University of Texas, Houston, Texas).

Platform Session 10 (Abstracts 304–309).

Implantation and Pregnancy II: Post-Implantation Period of Pregnancy. *Keauhou I.* Chair: **Thomas E. Spencer, Ph.D.** (Texas A&M University, College Station, Texas); **Co-Chair: Kathrin Dunlap, Ph.D.** (Texas A&M University, College Station, Texas).

Platform Session 11 (Abstracts 310–315).

Ovulation. *Keauhou III-IV.* Chair: **Bruce D. Murphy, Ph.D.** (University of Montreal, Sainte-Hyacinthe, Quebec, Canada); **Co-Chair: Valerio Valdetar Portela, Ph.D.** (University of Montreal, Sainte-Hyacinthe, Quebec, Canada).

Platform Session 12 (Abstracts 316–321).

Hormone Action and Growth Factors. *Keauhou Boardroom.* Chair: **Benjamin K. Tsang, Ph.D.** (Ottawa Health Research Institute,

Ottawa, Ontario, Canada); **Co-Chair: Joy McIntosh, Ph.D.** (Victoria University of Wellington, Wellington, New Zealand).

5:00 pm–6:00 pm

Award Presentation. *Keauhou II.*

Introduction: Rebecca C. Bott, Co-Chair, Trainee Affairs Committee (Colorado State University, Fort Collins, Colorado).

Trainee Mentoring Award: Michael F. Smith Ph.D. (University of Missouri, Columbia, Missouri).

Trainee Forum. *Keauhou II.*

Introduction: Rita Vassena, Ph.D., Chair, SSR Trainee Affairs Committee (Center of Regenerative Medicine of Barcelona, Barcelona, Spain).

John J. Eppig, Ph.D., and **Mary Ann Handel, Ph.D.,** Editors-in-Chief, *Biology of Reproduction* (The Jackson Laboratory, Bar Harbor, Maine), *Submission and Reviewing: Flip Sides of the Publishing Coin.* (Abstract 322)

6:00 pm–8:00 pm

Reception in Honor of the 100th Birthday of M.C. Chang, Ph.D. (by invitation).

8:00 pm–9:00 pm

Minority Affairs Symposium. *Keauhou I.* (Supported by a career development grant from the Burroughs Wellcome Fund)

Introduction: Nonguj Tanphaichitr, Ph.D., Chair, SSR Minority Affairs Committee (Ottawa Health Research Institute, Ottawa, Ontario, Canada). **Patricia Martin-DeLeon, Ph.D.** (University of Delaware, Newark, Delaware), *Securing Our Place on the Map: Reprogramming the GPS in an Evolving Scientific Landscape.* (Abstract 323)

Thursday, 29 May 2008

6:30 am–8:00 am

Continental Breakfast. *Pool Terrace, Keauhou Convention Center Foyer and Lawn*

6:30 am–7:30 am

Volunteers' Meeting. *Trainee Placement/Exhibits Tent*

Past Presidents' Breakfast. *Bayview Meeting Rooms*

7:00 am–9:00 am

Poster Session C (Posters 324–436). *Poster Tent*
Trainee Placement and Career Development Service. *Trainee Placement/Exhibits Tent*

7:00 am–9:30 am

Exhibits. *Trainee Placement/Exhibits Tent*

7:00 am–5:00 pm

Slide Preview Room. *Convention Center Entrance*
Meeting Registration. *Sheraton Keauhou Rotunda*

8:00 am–9:00 am

Committee Meetings.

Development. *Keauhou Boardroom*

Clinical Outreach. *Keauhou I*

Nominating. *Keauhou II*

Local Arrangements (2009). *Keauhou III-IV*

9:00 am–9:30 am

Refreshment Break. *Keauhou Convention Center Foyer and Lawn*

9:30 am–11:00 am

Minisymposia VI-X (5 concurrent sessions).

Keauhou I, II, and III-IV, Session Tent, Bayview Meeting Rooms

Minisymposium VI. *Bayview Meeting Rooms.*

When Does Implantation Begin? Chair:

Bibhash C. Paria, Ph.D. (Vanderbilt University Medical Center, Nashville, Tennessee).

Thomas E. Spencer, Ph.D. (Texas A&M University, College Station, Texas), *Genes and Pathways Regulating Implantation: Comparative Insights from the Sheep.* (Abstract 437)

John D. Aplin, Ph.D. (University of Manchester, Manchester, England), *Glycoproteomics of Implantation.* (Abstract 438)

Lois A. Salamonsen, Ph.D. (Prince Henry's Institute of Medical Research, Clayton, Victoria, Australia), *Implantation in Women: Is It Unique?* (Abstract 439)

Minisymposium VII. *Session Tent.* **DNA Damage in Sperm and Effects on Offspring. Chair:**

Marvin L. Meistrich, Ph.D. (M.D. Anderson Cancer Center, Houston, Texas).

Robert John Aitken, Ph.D., Sc.D. (University of Newcastle, Callaghan, New South Wales, Australia), *Causes and Clinical Significance of DNA Damage in the Male Germ Line.* (Abstract 440)

Bernard Robaire, Ph.D. (McGill University, Montreal, Quebec, Canada), *Drug-Induced Genetic and Epigenetic Marks in Sperm Affect Zygotic Development.* (Abstract 441)

W. Steven Ward, Ph.D. (University of Hawaii, Honolulu, Hawaii), *Paternal DNA Degradation and Its Relationship to DNA Synthesis in the One-Cell Embryo.* (Abstract 442)

Minisymposium VIII. *Keauhou III-IV.* **Role of PTGS2 (COX2) and Arachidonic Acid/**

Prostaglandins in the Testis. Chair: Dale Buck Hales, Ph.D. (University of Illinois at Chicago, Chicago, Illinois).

Barry R. Zirkin, Ph.D. (Johns Hopkins University, Baltimore, Maryland), *Testosterone and Leydig Cell Function Through the Life Cycle.* (Abstract 443)

Monica B. Frungieri, Ph.D. (Institute of Biology and Experimental Medicine, Buenos Aires, Argentina), *Cyclooxygenase 2 (COX2) and Prostaglandins: Emerging Roles in the Testis.* (Abstract 444)

Ernesto J. Podesta, Ph.D. (University of Buenos Aires Medical School, Buenos Aires,

Argentina), *Intramitochondrial Arachidonic Acid as a Key Regulator of Leydig Cell Function*. (Abstract 445)

Minisymposium IX. Keauhou II. Noncoding RNAs and Reproduction. Chair: Norman Hecht, Ph.D. (University of Pennsylvania, Philadelphia, Pennsylvania).

Wei Yan, M.D., Ph.D. (University of Nevada, School of Medicine, Reno, Nevada), *Potential Functions of Testis-Expressed Small Noncoding RNAs: Hints From Cloning and Expression Profiling Analyses*. (Abstract 446)

Michelle Carmell, Ph.D. (Whitehead Institute, Cambridge, Massachusetts), *PIWI Proteins Are Essential for Spermatogenesis and Repression of Transposons in the Mouse Male Germline*. (Abstract 447)

Satoshi Namekawa, Ph.D. (Massachusetts General Hospital, Boston, Massachusetts), *Role of Noncoding RNA in X-Inactivation from Gamete to Embryo*. (Abstract 448)

Minisymposium X. Keauhou I. Epigenetic Reprogramming of the Embryo. Chair: Melissa Mann, Ph.D. (University of Western Ontario, London, Ontario, Canada).

Wendy Dean, Ph.D. (Babraham Institute, Cambridge, England), *Epigenetic Signatures—A Gateway to Lineage Determination*. (Abstract 449)

Alexei Evsikov, Ph.D. (The Jackson Laboratory, Bar Harbor, Maine), *Friend or Foe: LTR Retrotransposons in Embryonic Genome Reprogramming*. (Abstract 450)

Emma Whitelaw, Ph.D. (Queensland Institute of Medical Research, Herston, Queensland, Australia), *Transgenerational Epigenetic Inheritance in Mammals*. (Abstract 451)

11:00 am–1:00 pm

Lunch Break. Keauhou Convention Center Foyer and Lawn, Pool Terrace, Crystal Terrace

Poster Session D (Abstracts 452–564). *Poster Tent*
Trainee Placement and Career Development Service. *Trainee Placement/Exhibits Tent*
Exhibits. *Trainee Placement/Exhibits Tent*

11:30 am–12:30 pm

Committee Meetings.

Membership. Keauhou I

CORE. Keauhou II

Emeritus. Keauhou III-IV

1:00 pm–1:45 pm

State-of-the-Art Lecture I. Keauhou I-II (Supported by a grant from CONRAD)

Introduction: John R. McCarrey, Ph.D., Chair, SSR Program Committee (University of Texas at San Antonio, San Antonio, Texas).

Kevin Eggan, Ph.D. (Harvard University, Cambridge, Massachusetts), *Nuclear Reprogramming in the Oocyte and Early Embryo: Applications in the Study of Human Disease*. (Abstract 565)

2:00 pm–3:30 pm

Platform Sessions 13–18 (6 concurrent sessions). Keauhou I, II, and III-IV, *Session Tent, Bayview Meeting Rooms, Keauhou Boardroom*

Platform Session 13 (Abstracts 566–571). **Sperm Function, Activation, and Capacitation.** Keauhou III-IV. **Chair: William Wright, Ph.D.** (Johns Hopkins University, Baltimore, Maryland); **Co-Chair: Sarah E. Fiedler** (Portland Veteran's Administration Medical Center, Portland, Oregon).

Platform Session 14 (Abstracts 572–577). **Testis Determination & Differentiation.** *Session Tent.* **Chair: Humphrey H-C. Yao, Ph.D.** (University of Illinois, Urbana, Illinois); **Co-Chair: Liesl Nel-Themaat, Ph.D.** (MD Anderson Cancer Center, Houston, Texas).

Platform Session 15 (Abstracts 578–583). **Fertilization: To Be or Not.** *Bayview Meeting Rooms.* **Chair: Erwin Goldberg, Ph.D.** (Northwestern University, Evanston, Illinois); **Co-Chair: Kim-My Chau** (Texas Tech University Health Services Center, Lubbock, Texas).

Platform Session 16 (Abstracts 584–589). **Meiosis and Cell Cycle Control.** Keauhou Boardroom. **Chair: Terry Hassold, Ph.D.** (Washington State University, Pullman, Washington); **Co-Chair: Lynda K. McGinnis** (University of Kansas Medical School, Kansas City, Kansas).

Platform Session 17 (Abstracts 590–595). **Epigenetics.** Keauhou I. **Chair: Yukiko Yamazaki, D.V.M., Ph.D.** (University of Hawaii School of Medicine, Honolulu, Hawaii); **Co-Chair: Nahid Turan, Ph.D.** (Temple University Medical School, Philadelphia, Pennsylvania).

Platform Session 18 (Abstracts 596–601). **Gene Expression in Female Reproductive Tract.** Keauhou II. **Chair: Winston E. Thompson, Ph.D.** (Moorehouse School of Medicine, Atlanta, Georgia); **Co-Chair: Julie A.W. Stillely** (University of Missouri, Columbia, Missouri).

3:30 pm–4:00 pm

Refreshment Break. Keauhou Convention Center Foyer and Lawn

4:00 pm–5:30 pm

Platform Sessions 19–24 (6 concurrent sessions). Keauhou I, II, and III-IV, *Session Tent, Bayview Meeting Rooms, Keauhou Boardroom*

Platform Session 19 (Abstracts 602–607). **Spermatogenesis: Identifying Proteins Required for Sperm Production and Fertility.** *Bayview Meeting Rooms.* **Chair: Deborah A. O'Brien, Ph.D.** (University of North Carolina School of Medicine, Chapel Hill, North Carolina); **Co-Chair: Cathryn A.. Hogarth, Ph.D.** (Washington State University, Pullman, Washington).

Platform Session 20 (Abstracts 608–613). **Reproductive Immunology.** Keauhou III-IV. **Chair: Sarah A. Robertson, Ph.D.** (University of Adelaide, Adelaide, Southern Australia,

Australia); **Co-Chair: Daniel Heath Poole** (Ohio State University, Wooster, Ohio).

Platform Session 21 (Abstracts 614–619).

Reproductive Development as Influenced by Environment and Diet. *Session Tent.* **Chair: Marvin L. Meistrich, Ph.D.** (M.D. Anderson Canter Center, Houston, Texas); **Co-Chair: Jakub Kwintkiewicz, Ph.D.** (University of California, San Francisco, California).

Platform Session 22 (Abstracts 620–625). **Gene Expression in Reproductive Tissues.** *Keauhou II.* **Chair: Mary Hunzicker-Dunn, Ph.D.** (Washington State University, Pullman, Washington); **Co-Chair: Jennifer A. Hernandez Gifford, Ph.D.** (Washington State University, Pullman, Washington).

Platform Session 23 (Abstracts 626–631). **Conservation and Reproductive Toxicology.** *Keauhou Boardroom.* **Chair: Leon E. Gray, Jr., Ph.D.** (US EPA, Research Triangle Park, North Carolina); **Co-Chair: Traci C. Leslie** (University of Illinois, Urbana, Illinois).

Platform Session 24 (Abstracts 632–637). **Folliculogenesis/Corpus Luteum.** *Keauhou I.* **Chair: Thomas E. Curry, Jr., Ph.D.** (University of Kentucky, Lexington, Kentucky); **Co-Chair: Pavine Lefevre** (University of Montreal, Saint-Hyacinthe, Quebec, Canada).

6:00 pm–8:00 pm
Barbeque. *Bayview Lawn*

8:00 pm–12:00 midnight
Social & Dance. *Keauhou I-II*

Friday, 30 May 2008

6:30 am–7:30 am
Volunteers' Meeting. *Trainee Placement/Exhibits Tent*

6:30 am–8:00 am
Continental Breakfast. *Pool Terrace, Keauhou Convention Center Foyer and Lawn*

7:00 am–9:00 am
Poster Session E (Abstracts 638–750). *Poster Tent*
Trainee Placement and Career Development Service. *Trainee Placement/Exhibits Tent*

7:00 am–9:30 am
Exhibits. *Trainee Placement/Exhibits Tent*

7:00 am–3:00 pm
Slide Preview Room. *Convention Center Entrance*
Meeting Registration. *Sheraton Keauhou Rotunda*

8:00 am–9:00 am
Committee Meetings.
Minority Affairs. *Keauhou Boardroom*
Trainee Affairs. *Keauhou I*

9:00 am–9:30 am
Refreshment Break. *Keauhou Convention Center Foyer and Lawn*

9:30 am–11:00 am
Minisymposia XI–XV (5 concurrent sessions).
Keauhou I, II, and III–IV, Session Tent, Bayview Meeting Rooms
Minisymposium XI. *Keauhou III–IV.* **Lymphocyte-Promoted Endometrial Angiogenesis and Its Relation to Pregnancy Success.** **Chair: Judith N. Bulmer, M.B. Ch.B., Ph.D.** (University of Newcastle Upon Tyne, Newcastle Upon Tyne, England).

Peter A.W. Rogers, Ph.D. (Monash Institute of Medical Research, Clayton, Victoria, Australia), *Endometrial Angiogenesis and Lymphangiogenesis.* (Abstract 751)

Judith N. Bulmer, M.B. Ch.B., Ph.D. (University of Newcastle Upon Tyne, Newcastle Upon Tyne, England), *Role of Uterine Natural Killer Cells in Endometrial Vascular Development.* (Abstract 752)

Chandrakant Tayade, D.V.M., M.V.Sc., Ph.D. (University of Guelph, Guelph, Ontario, Canada), *Regulation of Angiogenesis at the Maternal-Fetal Interface: Insights from Porcine Pregnancy Success or Failure.* (Abstract 753)

Minisymposium XII. *Session Tent.* **Factors Affecting Oocyte Quality: A Large Animal Model.** (Supported in part by NRI grant no. 2007-35203-18110 from the USDA-CSREES) **Chair: Anna T. Grazul-Bilska, Ph.D.** (North Dakota State University, Fargo, North Dakota).

Marc-Andre Sirard, D.V.M., Ph.D. (University of Laval, Sainte-Foy, Quebec, Canada), *The Follicle Defines the Oocyte Quality.* (Abstract 754)

Rebecca L. Krisher, Ph.D. (University of Illinois, Urbana, Illinois), *Components of Oocyte Quality in the Pig.* (Abstract 755)

Robert B. Gilchrist, Ph.D. (University of Adelaide, Adelaide, South Australia, Australia), *Oocyte-Cumulus Cell-Signaling Systems Regulating Oocyte Quality.* (Abstract 756)

Minisymposium XIII. *Keauhou I.* **Effects and Mechanisms of Action of Environmental Endocrine Disruptors on Reproduction.** **Chair: Mehmet Uzumcu, D.V.M., Ph.D.** (Rutgers University, New Brunswick, New Jersey).

Patricia A. Hunt, Ph.D. (Washington State University, Pullman, Washington), *Cleanliness and Infertility: New Concerns about Reproductive Effects of Quaternary Ammonium Disinfectants.* (Abstract 757)

Hugh Taylor, M.D. (Yale University, New Haven, Connecticut), *Endocrine Disruptors Alter HOX Gene Expression in the Reproductive Tract.* (Abstract 758)

Gail S. Prins, Ph.D. (University of Illinois, Chicago, Illinois), *Developmental Exposures to Estrogenic Compounds: Epigenetic Basis for Increased Prostate Cancer Susceptibility.* (Abstract 759)

Minisymposium XIV. Bayview Meeting Rooms. Novel Insights into Gonadotropin Regulation (Sponsored by the Virendra B. Mahesh Neuroendocrine Fund). **Chair: Daniel J. Bernard, Ph.D.** (McGill University, Montreal, Quebec, Canada).

Nicholas J.G. Webster, Ph.D. (University of California, San Diego, La Jolla, California), *Gonadotroph Responses to Pulsatile GnRH*. (Abstract 760)

Philippa Melamed, Ph.D. (National University of Singapore, Singapore), *GnRH Signaling Downstream of Calmodlin*. (Abstract 761)

Colin M. Clay, Ph.D. (Colorado State University, Fort Collins, Colorado), *The Pituitary Receptor for GnRH: At the Interface of the Brain and Reproductive Function*. (Abstract 762)

Minisymposium XV. Keauhou II. Transcription Factors/Cell-Signaling Essential to Maintain the Niche in the Mammalian Testis. **Chair: Ina Dobrinski, D.V.M., Ph.D.** (University of Pennsylvania School of Veterinary Medicine, Kennet Square, Pennsylvania).

Richard N. Freiman, Ph.D. (Brown University, Providence, Rhode Island), *TAF4b in the Regulation of Spermatogenic Maintenance*. (Abstract 763)

Robert E. Braun, Ph.D. (The Jackson Laboratory, Bar Harbor, Maine), *Transcriptional Control of Germline Stem Cell Self-Renewal*. (Abstract 764)

Marie-Claude Hofmann, Ph.D. (University of Illinois at Urbana-Champaign, Urbana, Illinois),

Signal Integration Within the Spermatogonial Stem Cell Niche. (Abstract 765)

11:00 am–1:00 pm

Lunch Break. *Crystal Blue Terrace, Pool Terrace, Kai Restaurant*

Trainee-Mentor Luncheon. *Keauhou Convention Center Lawn*

1:00 pm–1:45 pm

State-of-the-Art Lecture II. *Keauhou I-II*

Introduction: John R. McCarrey, Ph.D., Chair, SSR Program Committee (University of Texas at San Antonio, San Antonio, Texas).

Janet Rossant, Ph.D. (Hospital for Sick Children, Toronto, Ontario, Canada), *Stem Cells from the Mammalian Blastocyst—Not All Stem Cells Are Alike*. (Abstract 766)

1:45 pm–2:00 pm

Presentation of Trainee Research Awards—Platform Presentation and Poster Presentation (Sponsored by EMD Serono Research Institute, LLC): **Robert A. Cushman, Ph.D.,** Chair, SSR Awards Committee (USDA/ARS/USMARC, Clay Center, Nebraska). *Keauhou I-II*

2:00 pm–3:00 pm

Business Meeting of the SSR Membership with Installation of Newly Elected SSR Officers and Directors. *Keauhou I-II*

Closing Ceremony. *Keauhou I-II*

3:30 pm–5:00 pm

Meeting of 2008–2009 SSR Board of Directors. *Hualalai Bayview Meeting Room*



The BOR Outpost

The editorial office of the journal will move—not permanently (unfortunately), but for the duration of the SSR meeting—to Hawaii!

Journal staff and editors will be at the BOR Outpost during regular business hours and the BOR booth during exhibit hours. Editor schedules will be posted at the SSR Registration desk and the BOR exhibit booth.

The Outpost will be conveniently located poolside, below the lobby, next to the coffee bar. Stop by and say hello!

