



FASEB

Federation of American Societies
for Experimental Biology

Science Research Conferences

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Growth Hormone/Prolactin Family in Biology and Disease

July 23-28, 2017

**The Steamboat Grand Resort
Steamboat Springs, Colorado**

Organizers:

Linda SCHULER, PhD

University of Wisconsin
Madison, WI

Rhonda KINEMAN, PhD

University of Illinois at Chicago
Chicago, IL

Sunday, July 23, 2017

4:00 PM – 9:00 PM

Conference Registration

5:00 PM – 6:00 PM

FASEB SRC Welcome Reception

6:00 PM – 7:00 PM

Dinner

7:15 PM – 8:30 PM

Keynote Speaker

Chair: Ethan WEISS, PhD (University of California, San Francisco, USA)

Cynthia KENYON, PhD (Calico Labs, California, USA)

“The IGF-1 axis and aging in a small creature”

Monday, July 24, 2017

7:30 AM – 9:00 AM

Breakfast

Session I:

9:00 AM – 12:00 PM

Mutations in GH and PRL signaling and disease

Chair: Arthur GUTIERREZ-HARTMANN, MD (University of Colorado, Denver, USA)

9:00 AM – 9:15 AM

Welcome from FASEB

9:15 AM – 9:45 AM

Jan Maarten WIT, MD (Leiden University Medical Center, Leiden, NL)
“Genetic causes of growth disorders: insights from the clinic”

9:45 AM – 10:15 AM

Adrian F. DALY, MB BCh, PhD (University of Liège, Liège, BELGIUM)
“Genetic pathways in pituitary gigantism: GPR101, AIP and beyond”

10:15 AM – 10:45 AM

Group photo & FASEB Sponsored Coffee Break

10:45 AM – 11:15 AM

Yair ARGON, PhD (University of Pennsylvania, Philadelphia, USA)
“Production of insulin-like growth factors 94 uniquely depends on the activity of the chaperone glucose-regulated protein 94”

11:15 AM – 11:45 AM

Rajesh V. THAKKER, FRS FMedSci FRCPath FRCPE FRCP (Oxford Centre for Diabetes, Endocrinology and Metabolism, University of Oxford, UK)
“Mutant prolactin receptors and disease”

11:45 AM – 12:00 PM

Poster Medley I

12:00 PM – 1:15 PM

Lunch

Free Afternoon

4:00 PM – 6:00 PM

Poster Session I

6:00 PM – 7:00 PM

Dinner

Session II:

7:00 PM – 9:45 PM

Novel targets and mediators of GH/IGF and PRL

Chair: Nadine BINART, PhD (Inserm, Faculty of Medicine Paris Sud, FRANCE)

7:00 PM – 7:30 PM

Shoshana YAKAR, PhD (New York University College of Dentistry, USA)
“The roles of hepatic GHR in controlling carbohydrate and lipid metabolism”

- 7:30 PM – 8:00 PM Rupangi C. VASAVADA, PhD (Icahn School of Medicine at Mount Sinai, New York, USA)
“Lactogen actions on beta cells: novel signaling mechanisms”
- 8:00 PM – 8:15 PM Anil K. PASUPULATI, PhD (University of Hyderabad, INDIA)
“YAP regulates growth hormone-mediated podocyte hypertrophy: implications in diabetic nephropathy”
- 8:15 PM – 8:30 PM Break
- 8:30 PM – 8:45 PM Siobhan E. KIRK (University of Otago, NEW ZEALAND)
“Prolactin signaling in the mouse brain and adrenal in response to acute restraint stress”
- 8:45 PM – 9:15 PM Carlos STOCCO, PhD (University of Illinois at Chicago, USA)
“IGFs and ovarian function”
- 9:15 PM – 9:45 PM Yi LI, PhD (Baylor College of Medicine, Houston, USA)
“Mechanism and chemoprevention of breast tumorigenesis in women on dopamine-antagonizing neuroleptics”

Tuesday, July 25, 2017

- 7:30 AM – 9:00 AM Breakfast
- Session III**
9:00 AM – 12:00 AM **Bidirectional interactions between the hypothalamus and PRL/GH**
Chair: Paul LE TISSIER, PhD (University of Edinburgh, SCOTLAND)
- 9:00 AM – 9:30 AM Patrice MOLLARD, PhD (Université de Montpellier, FRANCE)
“Network-driven generation of GH pulses”
- 9:30 AM – 10:00 AM Virginie TOLLE, PhD (Inserm and Université Paris Descartes, FRANCE)
“Ghrelin-derived peptides: new insights into the regulation of the GH/IGF-1 axis”
- 10:00 AM – 10:15 AM Rosemary BROWN, PhD (University of Otago, NEW ZEALAND)
“Prolactin action in the medial preoptic area is necessary for postpartum maternal behavior in mice”
- 10:15 AM – 10:45 AM FASEB Sponsored Coffee Break

10:45 AM – 11:15 AM	Christian BROBERGER, MD, PhD (Karolinska Institutet, SWEDEN) <i>“Network regulation of tuberoinfundibular dopamine neurons: implications for the control of prolactin secretion”</i>
11:15 AM – 11:45 AM	Colin BROWN, PhD (University of Otago, NEW ZEALAND) <i>“Role of prolactin in plasticity of oxytocin neuronal function during late pregnancy and lactation”</i>
11:45 AM – 12:00 PM	Poster Medley II
12:00 PM – 1:15 PM	Lunch Career Development Workshop
	Free Afternoon
4:00 PM – 6:00 PM	Poster Session 2
6:00 PM – 7:00 PM	Dinner
Session IV <u>7:00 PM – 9:45 PM</u>	GH/ IGF-1/ PRL: Coopted in Cancer Chair: Linda SCHULER, PhD (University of Wisconsin—Madison, USA)
7:00 PM – 7:30 PM	Ameae WALKER, PhD (University of California at Riverside, USA) <i>“Prolactin and metastasis”</i>
7:30 PM – 7:45 PM	Carrie SHEMANKO, PhD (University of Calgary, CANADA) <i>“Identifying the key signaling pathways in prolactin-induced, breast-cancer-mediated osteoclastogenesis”</i>
7:45 PM – 8:00 PM	Catherine TOO, PhD (Dalhousie University, Halifax, CANADA) <i>“Characterization of prolactin-inducible pro-survival pathways in breast cancer”</i>
8:00 PM – 8:30 PM	Emily GALLAGHER, MD, PhD (Mount Sinai Medical Center, USA) <i>“IGF-1, insulin, metabolism and cancer”</i>
8:30 PM – 8:45 PM	Break
8:45 PM – 9:00 PM	Maité VERREAULT, PhD (Inserm U 1127, CNRS UMR 7225, Sorbonne Universités, Paris, FRANCE) <i>“Identification of GHR signaling as an oncogenic driver of human glioblastoma”</i>

9:00 PM – 9:30 PM Vincent GOFFIN, PhD (Inserm and Université Paris Descartes, FRANCE)
“Prolactin transgenic mice reveal the existence of castration-resistant luminal progenitors in the prostate”

9:30 PM – 9:45 PM Shrikant ANANT, PhD (University of Kansas Medical Center, USA)
“Targeting prolactin receptor signaling using antipsychotic drug to suppress pancreatic cancer”

Wednesday, July 26, 2017

7:30 AM – 9:00 AM Breakfast

Session V

9:00 AM – 12:00 PM

Clinical findings and opportunities

Chair: Rhonda KINEMAN (University of Illinois at Chicago, USA)

9:00 AM - 9:30 AM Beverly M.K. BILLER, MD (Harvard Medical School, USA)
“Clinical aspects of adult growth hormone deficiency and long-acting growth hormone development”

9:30 AM – 10:00 AM Laura DICHTTEL, MD, MHS (Harvard University, Boston, USA)
“The GH/IGF-1 axis in nonalcoholic fatty liver disease (NAFLD)”

10:00 AM – 10:15 AM Jessica DEVIN, MD, MSCI (Vanderbilt University School of Medicine, Nashville, USA)
“Dipeptidyl peptidase-4 inhibition with sitagliptin enhances stimulated growth hormone secretion in women”

10:15 AM – 10:45 AM FASEB Sponsored Coffee Break

10:45 AM – 11:15 AM Ronadip BANERJEE, MD, PhD (University of Alabama at Birmingham, USA)
“Prolactin receptor regulation of pancreatic beta-cells”

11:15 AM – 11:45 AM Anil SOOD, MD (University of Texas MD Anderson Cancer Center, Houston, USA)
“Prolactin and ovarian cancer”

12:00 PM – 1:15 PM Lunch

Free Afternoon

4:00 PM – 6:00 PM Meet the Expert sessions, social gathering

6:00 PM – 7:00 PM

Dinner

Session VI

7:00 PM – 9:45 PM

Mice and beyond: other models and applications

Chair: John KOPCHICK, PhD (Ohio University, USA)

7:00 PM – 7:30 PM

Edward O. LIST, PhD (Edison Biotechnology Institute, Ohio University, USA)

“Effects of tissue specific growth hormone receptor disruption in insulin sensitive tissues”

7:30 PM – 8:00 PM

Mark SHERIDAN, PhD (Texas Tech University, Lubbock, USA)

“Mechanisms underlying the multiple actions of growth hormone: Lessons from rainbow trout”

8:00 PM – 8:30 PM

Robert COLLIER, PhD (University of Arizona, USA)

“Recombinant GH in food animals: consequences and public perspectives”

8:30 PM – 8:45 PM

Break

8:45 PM – 9:15 PM

Mathew LITTLEJOHN, PhD (Livestock Improvement Corporation, NEW ZEALAND)

“Novel prolactin pathway mutations impact thermoregulation in cattle”

9:15 PM – 9:45 PM

Russell HOVEY, PhD (University of California, Davis, USA)

“The pig as a model for resolving the targets and functions of prolactin”

Thursday, July 27, 2017

7:30 AM – 9:00 AM

Breakfast

Session VII

9:00 AM – 12:15 PM

GH/ PRL and downstream mediators in metabolic health and disease

Chair: Andrzej BARTKE, PhD (Southern Illinois University, USA)

9:00 AM – 9:30 AM

Steven KLIEWER, PhD (University of Texas—Southwestern, USA)

“FGF21, GH and metabolism”

9:30 AM – 10:00 AM

Darlene BERRYMAN, PhD (Ohio University, USA)

“GH and adipose tissue: quality versus quantity”

10:00 AM – 10:15 AM	Kevin CORBIT, PhD (University of California, San Francisco, USA) <i>“Using genetic and in vivo phospho-proteomic approaches to determine the tissue-specific roles of GH in mediating hepatic insulin sensitivity”</i>
10:15 AM – 10:45 AM	FASEB Sponsored Coffee Break
10:45 AM – 11:00 AM	Andrew LARNER, MD, PhD (Virginia Commonwealth University, USA) <i>“Metabolic actions of Stats in mitochondria”</i>
11:00 AM – 11:30 AM	Yazmín MACOTELA, PhD (Universidad Nacional Autónoma de México, México) <i>“Prolactin promotes metabolic homeostasis in obesity: from early life to adulthood”</i>
11:30 AM – 12:15 PM	Business Meeting
12:15 PM – 1:15 PM	Lunch
1:15 PM – 6:00 PM	Free Afternoon Optional Group Activity: Strawberry Park Hot Springs
6:00 PM – 7:00 PM	Dinner
Session VIII: <u>7:00 PM – 9:45 PM</u>	GH/PRL in Development Chair: Christin CARTER-SU, PhD (University of Michigan, USA)
7:00 PM – 7:30 PM	Sally CAMPER, PhD (University of Michigan, USA) <i>“Pituitary development and disease: from stem cells to the Pou1f1 lineage”</i>
7:30 PM – 8:00 PM	Clara ALVAREZ, MD, PhD (University of Santiago de Compostela, SPAIN) <i>“Pituitary cell turnover: balance between adult stem cell recruitment and cell death of endocrine secretory cells”</i>
8:00 PM – 8:15 PM	Caitlin STALLINGS (Southern Illinois University, USA) <i>“FOXOs are important for somatotrope differentiation”</i>
8:15 PM – 8:30 PM	Break
8:30 PM – 8:45 PM	Maria Felicitas LOPEZ-VICCHI (IByME, ARGENTINA) <i>“Hyperprolactinemia induced by selective disruption of dopamine type 2 receptors in lactotropes evokes leptin insensitivity and alters gene expression in specific hypothalamic nuclei”</i>

8:45 PM – 9:15 PM Kathryn GATFORD, PhD (University of Adelaide, AUSTRALIA)
"Perinatal health and the fetal environment: impact of GH and IGFs"

9:15 PM – 9:45 PM James C. CROSS, DVM, PhD (University of Calgary, CANADA)
"Placental prolactin and related hormones: coordination of pregnancy"

9:45 PM – 10:00 PM Linda SCHULER and Rhonda KINEMAN: concluding remarks

10:00 PM Social gathering

Friday, July 28, 2017

7:30 AM – 8:30 AM Breakfast

8:30 AM Departures
Boxed Lunches Available

END OF CONFERENCE

For additional information contact:
FASEB Science Research Conferences
9650 Rockville Pike
Bethesda, MD 20814
www.faseb.org/src