



## XXXV Reunión Anual SChRD – XXXV Annual Meeting SChRD

Universidad de Concepción

25 - 28 September 2024

**Auditorio Jaime Baeza de la Vicerrectoría de Investigación y Desarrollo de la Universidad de Concepción**  
**Concepción, Chile**

### **Day 1 (Wednesday, September 25<sup>th</sup>)**

Time	Activity	Speaker	Chair
15:00-15:15	Opening	SChRD President	Dolores Busso
15:15-16:00	<b>Conference 1. SChRD 2023 Award "Artificial intelligence in obstetrics and gynecology: examples, opportunities and challenges"</b>	Daniela Mennickent-Universidad Católica de la Santísima Concepción, UCSC.	Héctor Contreras
16:00-17:30	<b>Symposium 1. "Impact of thyroid hormones during pregnancy and its offspring"</b>  <i>"Gestational hypothyroxinemia triggers inflammation in maternal-fetal tissues"</i>  <i>"Thyroid disorders in pregnancy and their effect on the resolution of infections in the offspring"</i>  <i>"Placental Deiodinases in gestational diabetes: role of maternal Triiodothyronine"</i>	Claudia Riedel, U. Nacional Andrés Bello, Santiago, Chile  Evelyn Jara, Universidad de Concepción, Chile  Enrique Guzmán, Universidad de Concepción, Chile	Andrea Leiva
17:30-18:30	Coffee & Snacks		
18:30-19:30	<b>Conference 1. "Nutrient transport at the blood-brain barrier"</b>	Tom Arnold, University of California, San Francisco	Nicolás Santander

### **Day 2 (Thursday, September 26<sup>th</sup>)**

Time	Activity	Speaker	Chair
9:00-10:30	<b>Symposium 2. "New therapeutic strategies and molecular targets for ovarian cancer"</b>  <i>"Antitumor effects of microRNAs in different models of epithelial ovarian cancer"</i>  <i>"Drug repurposing and ACSL4 inhibition as a possible complementary treatment for ovarian cancer"</i>  <i>"Development of an alternative therapy against cisplatin-resistant ovarian cancer based on the use of retinoids and pro-oxidant agents"</i>	Carmen Romero, Universidad de Chile.  Maritza Garrido, Universidad de Chile.  Manuel Valenzuela Valderrama, Universidad Central de Chile.	Maritza Garrido
10:30-11:30	Coffee		



11:30-13:00	Short oral talks		Marcelo González
13:00-15:00	Lunch Break		
15:00-16:30	<p><b>Symposium 3. "Perinatal brain and systemic vascular function: the placental link with chronic adult diseases"</b></p> <p><i>"Maternal hypercholesterolemia: from placental function to future cardiovascular risk"</i></p> <p><i>"Effects of perinatal hypoxia on junctional molecule involved in the blood-brain barrier permeability"</i></p> <p><i>"Assessing metformin impact on maternal vasculature and pregnancy outcomes in a mouse model of a pregnancy complications"</i></p> <p><i>"Mechanosensitive mechanisms contributing to placental vascular function in health and disease"</i></p>	<p>Andrea Leiva, Universidad San Sebastián, Santiago, Chile</p> <p>Alejandro González Candia, Universidad de O'Higgins, Rancagua, Chile</p> <p>Tamara Sáez Gutiérrez, Universidad de Valparaíso, Chile</p> <p>Bernardo J. Krause, Universidad de O'Higgins, Rancagua, Chile</p>	Bernardo Krause
16:30-18:30	Posters session 1+ Coffee & Snacks		
18:30-19:30	<b>Conference 3. "Genomic tools to solve the mysteries of embryonic development"</b>	Ricardo Perecin Nociti Université de Montréal, Canadá	Luis Aguila

### Day 3 (Friday, September 27<sup>th</sup>)

Time	Activity	Speaker	Chair
9:00-10:30	<p><b>Symposium 4. "Blood Brain Barrier development"</b></p> <p><i>"Placenta-brain communication in preeclampsia. role of extracellular vesicles in the disruption of the BBB"</i></p> <p><i>"The insect Blood-brain barrier as a model for understanding development and human diseases"</i></p> <p><i>"Cholesterol transport in the formation of the blood-brain barrier"</i></p>	<p>Carlos Escudero. U. del Bío Bío, Chillán, Chile</p> <p>Esteban Contreras. Universidad de Concepción, Chile</p> <p>Nicolás Santander, Universidad de O'Higgins, Chile</p>	Gareth Owen
10:30-11:30	Posters session 2+ Coffee & Snacks		
11:30-13:00	Short oral and New Members talks		
13:00-15:00	Lunch Break		
15:00-16:00	<b>Conference 4. "Gránulos Corticales y Fertilidad: de la biología básica a las condiciones patológicas"</b>	Marcela Michaut U. Nacional de Cuyo, Argentina	Ricardo Fuentes
16:00-16:30	Coffee		



16:30-18:00	<p><b>Symposium 5. "Unconventional models in reproduction and development: expanding horizons using zebrafish, under-studied invertebrates and amphibians"</b></p> <p><i>"Studying germline evolution and polyspermy blockage beyond animal model systems: valuable insights from cnidarians, annelids, mollusks, and sea urchins"</i></p> <p><i>"Maternal genetics of the oocyte-to-embryo transition"</i></p> <p><i>"Zebrafish as a model to study the teratogenic potential of drugs and pollutants"</i></p> <p><i>"Participation of ATP- and Glutamate-mediated signaling in the formation of the neural tube in the chordate Xenopus laevis"</i></p>	<p>Felipe Aguilera. Universidad de Concepción, Chile.</p> <p>Ricardo Fuentes. U. de Concepción, Chile.</p> <p>Javiera de la Paz Montt. Universidad de Concepción, Chile</p> <p>Patricio Castro, Universidad de Concepción, Chile</p>	Bárbara Echiburú
18:00-19:00	<p><b>Closure Conference</b> <i>Creative Intersections: Art and Science in the Co-Creation Space"</i></p>	Marianela Camaño	Ingrid Carvacho
21:00-2:00	Awards Ceremony Farewell Dinner and Party	Hotel Araucano	

**Day 4 (Saturday, September 28<sup>th</sup>): SChRD Members Meeting (hour and place TBC)**

**Sponsors:**

