



**“ACCDIS INTERNATIONAL
THEORETICAL & PRACTICAL COURSE:
METABOLIC SIGNALING
AND CHRONIC
DISEASES”**

PROGRAM

**Santiago, Chile
5 October- 9 October 2015**

Sponsored by:



ICGEB

International Centre for Genetic
Engineering and Biotechnology



NemesisRing

Network for metabolic stress signaling



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PROGRAM**MONDAY 5 OCTOBER**

09:00-09:30 am. Student's registration

COURSE SECTION 1: “GENERAL METABOLISM”

Coordinator: Rodrigo Troncoso Ph.D.

09:45-10:00 h. Opening Remarks, **Sergio Lavandero Ph.D.**
10:00-11:10 h. Energy Metabolism, **Mario Chiong Ph.D.**
11:10-11:40 h. Coffee break.
11:40-12:50 h. Warburg Effect, **Laura Castro Ph.D.**
12:50-14:00 h. Lunch.
14:00-15:10 h. Integration of Metabolism, **Rodrigo Troncoso Ph.D.**
15:10-16:20 h. Metabolic Cell Signaling, **Sergio Lavandero Ph.D.**
16:20-17:00 h. Theme assignment.

TUESDAY 6 OCTOBER**COURSE SECTION 2: MITOCHONDRIA-AUTOPHAGY**

Coordinator: Lorena García Ph.D.

09:00-10:15 h. Mitochondrial metabolism, **J. César Cárdenas Ph.D.**
10:15-10:45 h. Coffee break.
10:45-12:00 h. Reactive Species in Mitochondrial Function, **Laura Castro Ph.D.**
12:00-13:15 h. Mitochondrial Metabolism in Aging,
Alicia Kowaltoski M.D., Ph.D.
13:15-14:15 h. Lunch.
14:15-15:30 h. Metabolism and Autophagy, **Alfredo Criollo Ph.D.**
15:30-17:00 h. Seminar, **Mario Chiong Ph.D.**

WEDNESDAY 7 OCTOBER

COURSE SECTION 3: METABOLIC DISEASES

Coordinator: Alfredo Criollo Ph.D.

09:00-10:15 h.	Uncoupling Obesity from Insulin Resistance via Fatty Acid Binding Proteins, David A. Bernlohr Ph.D.
10:15-10:45 h.	Coffee break.
10:45-12:00 h.	Adipose Tissue and Obesity, Mariana Cifuentes Ph.D.
12:00-13:15 h.	Atherosclerosis, Lorena García Ph.D.
13:15-14:15 h.	Lunch.
14:15-15:30 h.	Metabolism in Heart Failure, Hugo Verdejo M.D., Ph.D.
15:30-17:00 h.	Diabetic Cardiomyopathy, Sergio Lavandero Ph.D.

THURSDAY 8 OCTOBER

SYMPOSIUM

Chair: Andrew Quest Ph.D.

09:00-09:45 h.	Calcium Sensing Receptor and Adipose Tissue Dysfunction in Obesity, Mariana Cifuentes Ph.D.
09:45-10:30 h.	Effect of High Fat Diet Consumption in Metabolic Health, Eugenia Morselli Ph.D.
10:30-11:00 h.	Coffee break.
11:00-11:45 h.	Mitochondria in Human Diseases, Laura Castro Ph.D.
11:45-12:30 h.	Caloric Restriction and its Impact on Energy Metabolism in Different Cell Types, Alicia Kowaltowski M.D., Ph.D.
12:30-14:00 h.	Lunch.
14:00-14:45 h.	Oxidative Stress and Insulin Resistance, David A. Bernlohr Ph.D.
14:45-15:30 h.	How insulin signals engage structural cellular elements to mobilize glucose transporter vesicles, Amira Klip Ph.D.
15:30-16:45 h.	Modulation of Pathological Cardiac Hypertrophy by Insulin Signaling, E. Dale Abel M.D., Ph.D.

OCTOBER

5-9th

2015

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FRIDAY 9 OCTOBER

COURSE. SECTION 4: CHRONIC DISEASES

Coordinator: Mario Chiong Ph.D.

09:00-09:30 h.	Overview of Chronic Diseases in Chile, Catterina Ferreccio M.D., Ph.D.
09:30-10:40 h.	The innate immunity component in obesity-induced insulin resistance, Amira Klip Ph.D.
10:40:11:10 h.	Coffee break.
11:10-12:20 h.	Metabolic Signaling in Cancer, J. César Cárdenas Ph.D.
12:20-13:30 h.	Cardiac Metabolism, Mitochondrial Dysfunction and Diabetic Cardiomyopathy, E. Dale Abel M.D., Ph.D.
13:30-14:30 h.	Lunch.
14:30-16:00 h.	Student's presentation.
16:00-16:30 h.	Wrap-up & closing ceremony, Andrew Quest Ph.D.

Contact and Organization: Sergio Lavandero, Fondap Advanced Center for Chronic Diseases (ACCDiS), Facultad Ciencias Químicas y Farmacéuticas, Universidad de Chile, Olivos 1007, Santiago, Chile 2015.

Email: secretariaaccdis@u.uchile.cl

Web page: <http://www.accdis.cl/entrenamiento/courses/>

Application: <http://www.icgeb.org/chile-accdis-international-2015.html>

Quotas Available: 30 people.

The Symposium is an open event to all the community.

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