

Spring Symposium in TRP channels

University of Santiago de Chile

September 2015, Santiago

Salón de Honor, Casa Central, University of Santiago de Chile

Final Program

Monday 28th

10:15-10:30 **Welcome**
Rodolfo Madrid

10:30-11:30 **Opening Lecture** Chair: R. Madrid
Peter McNaughton (KCL, UK) *Title: A TRP channel involved in warmth sensation.*

Coffee break **11:30 - 11:45**

11:45-13:45 **Session I** Chair: R. Madrid

- 11:45-12:15 Rodolfo Madrid (USACH, Chile) *Title: TRP channels in cold transduction and cold hypersensitivity.*
- 12:15-12:45 Patricio Orio (CINV-UV, Chile) *Title: Mathematical models of cold perception: beyond TRP channels.*
- 12:45-13:15 Elías Utreras (UCH, Chile) *Title: Role of Cdk5 in TRPV1 sensitization during orofacial pain.*
- 13:15-13:45 Juan Bacigalupo (UCH, Chile) *Title: The Transient Receptor Potential Channel in Drosophila Phototransduction*

Lunch **14:00 - 15:30**
FAE cafeteria, University of Santiago de Chile

15:30-17:30 **Session II** Chair: P. Orio

- 15:30-16:00 María Pertusa (USACH, Chile) *Title: Using orthologous channels to localize molecular determinants involved in chemical and thermal sensitivity of TRPM8 ion channel.*
- 16:00-16:30 Andrés Stutzin (UCH, Chile) *Title: Hydrogen peroxide modulates TRPM4 current desensitization.*
- 16:30-17:00 Óscar Cerda (UCH, Chile) *Title: TR(i)P to cell migration: new functions for TRPM4 channels.*
- 17:00-17:30 Sebastián Brauchi (UACH, Chile) *Title: Evolution of structural and functional properties in TRP channels.*

Dinner
20:00 - 22:30
Eladio Restaurant, Avda. Ossa, La Reina.

Tuesday 29th

9:50-10:00 **Welcome**

10:00-11:00 **Plenary Lecture**

Chair: R. Madrid

Antonio Ferrer-Montiel (IBMC-UMH, Spain) *Title: A role of TRP domain in TRPV1 function and pharmacology.*

Coffee break **11:00 - 11:15**

11:15-13:15 **Session III**

Chair: B. Morales

11:15-11:45 Bernardo Morales (USACH, Chile) *Title: Excitability modulation of CA1 neurons by TRPV1 channels activation.*

11:45-12:15 Elías Leiva (USACH, Chile) *Title: Modulation of neuronal excitability in medial prefrontal cortex through TRPM4 and TRPC5.*

12:15-12:45 Andrés Chávez (CINV-UV, Chile) *Title: Role of TRPV1 channels in synaptic transmission and plasticity in the hippocampus.*

Posters **12:45 - 14:00**

Central Hall, Casa Central, University of Santiago de Chile

Lunch **14:00 - 15:15**

15:30-16:30 **Closing Lecture**

Chair: R. Madrid

Ramón Latorre (CINV-UV, Chile) *Title: Allosteric Modulation of TRP channels.*

16:30 **Concluding remarks**

21:00-23:00 **Social Hour**

House R&B, Ñuñoa.