



**Karolinska  
Institutet**



**東京大学**  
THE UNIVERSITY OF TOKYO

## **Core-to-Core Project Sponsored by JSPS**

New insights into the molecular basis of prevention of diseases in the aging society  
caused by modulation of insulin-like activities

### **International Seminar**

*Current boundaries of the expanding landscape of insulin-like activities and beyond*

Madrid, Spain, September 2015

Venue: **Cajal Institute**, Avda Dr Arce 37. Madrid

*Day 1, Sept 24*

2,50 pm

Welcome to the Cajal Institute

Ignacio Torres Aleman

3,00 pm

Luis Miguel Garcia-Segura (Cajal Institute) “Interaction in the neuroprotective signaling of estrogen receptors and IGF-1 receptor”

3,35 pm

Dr. Bu-Chin Yu (The University of Tokyo) “Insulin receptor substrates- associated proteins which are related with insulin resistance”

4,00 pm

Beklem Bostancioglu (Karolinska Institute) “The role of  $\beta$ -arrestin1 in the Ras induced malignant transformation of mammalian cells”

4,25 pm

*Coffee brake*

5,00 pm

Mr. Hiroki Nishi (The University of Tokyo) "Fatty liver caused by acute amino acid deficiency"

5,15 pm

Dr. Angel Trueba (Cajal Institute) "Is serum IGF-I part of the pathophysiological link between unhealthy diets and a higher risk of dementia?"

5,40 pm

Dr. Yoshihisa Uenoyama (Nagoya University) "Kisspeptin neurons as a master regulator of reproduction in mammals"

6,15 *End of day 1*

*Day 2, Sept 25th*

9,00 am

Dr. Shin-Ichiro Takahashi (The University of Tokyo) "Regulation of alternative splicing of insulin receptor RNA by insulin receptor substrate"

9,35 am

Andrea Santi (Cajal Institute) "Serum IGF-I and resistance to stress"

9,40 am

Naida Suleymanova (Karolinska Institute) "Beta-arrestin1 as molecular determinant for response to p53 reactivation therapy in conjunctival melanoma"

10,05 am

Dr. Asako Takenaka (Meiji University) "Dietary vitamin E deficiency increases anxiety-like behavior in rats"

10,40

*Coffee brake*

11,00 am

M<sup>a</sup> Angeles Arevalo: "Interaction of estradiol and Notch signalling: implications for hippocampal neuron development".

11,25 am

Dr. Takashi Matsuwaki (The University of Tokyo) "The role of progranulin in the central nervous system -from the cradle to the grave- "

12,00 am

Victor Munive (Cajal Institute) "Physical exercise regulates gender differences in mood regulation by an interaction between estradiol and insulin-like growth factor I"

12,15 am

Mr. Yuuki Gouda (The University of Tokyo) “Lipid accumulation in muscle by chronic amino acid deficiency”

12,30 am

Ada Girnita (Karolinska Institute) “Effects of targeting p53/Mdm2/ $\beta$ -arrestin axis on skin melanoma migration, invasion and metastasis”

1,05 pm

Dr. Takeshi Nishijima (Tokyo Metropolitan University) “Deleterious effects of physical inactivity on the hippocampus: new insight into the increasing prevalence of stress-related depression”

1,40 pm

*Lunch*

2,30 pm

Dana Nedelcu (Karolinska Institute) “Enhancing IGF-1R targeted therapy by un-biasing GRKs/ $\beta$ -arrestin signaling in sarcomas”.

2,55 pm

Laura Genis (Cajal Institute) “The role of IGF-1R in brain ischemia: importance of astrocytes in neuroprotection”

3,20 pm

Caitrin Crudden (Karolinska Institute) “Mutation analysis of molecular mechanism of  $\beta$ -arrestin-biased signaling at IGF-1R. Functional and therapeutic implications in cancer”

3,45 pm

Ami Usui (The University of Tokyo) “Cell competition modulated by insulin-like signals”

4,00 pm

*End of day 2*

*Day 3, Sept 26<sup>th</sup>*

10,30 am

Leonard Girnita (Karolinska Institute) “Molecular function and targeting of  $\beta$ -arrestins/IGF-1R system in cancer”

11,05 am

Ms. Tomomi Inamitsu (The University of Tokyo) “Regulation of serine/threonine phosphorylation of insulin receptor substrates”

11,20 am

Dr. Fumihiko Hakuno (The University of Tokyo) “Negative feedback regulation of IGF-I receptor internalization by insulin receptor substrates”

11,55 am

*Coffee brake*

1,00 pm

Aixa Morales (Cajal Institute) "SoxD genes as key regulators of embryonic and adult neurogenesis"

1,35 pm

Iara Trocoli Drakensjö (Karolinska Institute) “Scaffolding MAPK complex by  $\beta$ -arrestins at the cross-road between GPCR/RTKs signaling: functional and therapeutic implications for melanoma”

2,00 pm

Conclusions Ignacio Torres Aleman

End of Meeting