

ERC WATCH - First Meeting 2019

Santiago de Compostela

Organizers:

Ruben P. Nogueiras
Vincent Prévot
Markus Schwaninger

May 2nd – May 3rd, 2019

*CIMUS, University of Santiago de Compostela
Santiago de Compostela
Galicia, Spain*



WATCH



European Research Council
Established by the European Commission

 **Inserm**
Institut national
de la santé et de la recherche médicale

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DE SANTIAGO
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UNIVERSITÄT ZU LÜBECK

ERC WATCH – First Meeting, May 2019

Well-Aging and the Tanycytic Control of Health

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Avenida Barcelona s/n. 15782
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Ruben Nogueiras is pleased to organize the first meeting of the European Research Council (ERC) Synergy - WATCH grant at the University of Santiago de Compostela, Spain on 02nd and 03rd May 2019. This first meeting gives an excellent opportunity to bring together the members of teams led by Vincent Prévot (Inserm, University of Lille), Markus Schwaninger (University of Lübeck, Germany) and Ruben Nogueiras (University of Santiago de Compostela, Spain) working on WATCH project. Exchange of scientific knowledge, tracking the progress of already initiated WATCH objectives and planning of the upcoming future WATCH objectives will be the main goals of this meeting. The aim of this ambitious grant is to expand our knowledge and gain novel insights about the role of tanycytes in health and aging.

Tanycytes, specialized glial cells present at the nodal point in the hypothalamus manoeuvre the dialogue between the brain and the periphery. The WATCH grant will test our hypothesis that disruption in the communication between the brain and the periphery leads to a number of metabolic and cognitive diseases, including obesity, type 2 diabetes and certain neurodegenerative disorders such as frontotemporal dementias. In order to come up with preventive strategies to combat these metabolic disorders, it is essential to study the molecular and functional heterogeneity of tanycytes and to study the communication pathways between tanycytes and different hypothalamic neurons. ERC WATCH grant gives an excellent platform to integrate three research groups with unique expertise to synergistically answer these intriguingly diverse yet fundamental questions. The overall aim of this grant would be to advance our basic understanding of the role of tanycytes in energy homeostasis and well-aging in order to come up with specific tailor-made therapies for improving the life of patients suffering from metabolic and cognitive disorders.

The meeting will start with an introduction highlighting the scope, timeline, milestones, budget and deliverables of this grant and will be followed by talks from the postdoctoral research fellows and Ph.D students working on this project. This will promote the exchange of scientific ideas and set a stage for fostering the interaction between the graduate students, postdocs and senior scientists. This meeting also serves as an opportunity for the members of Inserm and University of Lübeck to visit our lab in University of Santiago to evaluate the scientific infrastructure and resources required to conduct a part of this grant in Santiago.

THURSDAY, MAY 2

13H00- 14H00	Registration (Hall of CIMUS)
14H00- 14H10	Ruben Nogueiras , Welcome Speech
14H10- 14H30	Pallavi Singh , Inserm, France <i>Introduction to WATCH</i>
14H30- 15H00	Manon Duquenne , Inserm, France <i>Role of hypothalamic tanycytes leptin receptors in energy metabolism homeostasis</i>
15H00- 15H30	Tori Lhomme , Inserm, France <i>Tanycyte-Neuron Lactate Shuttle : a new mechanism controlling the food intake</i>
15H30- 16H00	Sivaraj Sundaram , University of Lübeck, Germany <i>NF-κB signalling in tanycytes mediates inflammation-induced anorexia</i>
16H00- 16H15	COFFEE BREAK
16H15- 16H45	Helge Müller-Fielitz , University of Lübeck, Germany <i>Thyroid status and tanycyte function</i>
16H45- 17H15	Florent Sauve , Inserm, France <i>Investigating the role of tanycytes and hypothalamic hormonal axes in dementias.</i>
17H15- 17H45	Cintia Folgueira , University of Santiago de Compostela, Spain <i>Hypothalamic dopamine system and control of BAT activity</i>
17H45- 18H15	Monica Imbernon , Inserm, France <i>Tanycyte-AMPK ablation modulates hypothalamic hormone sensitivity</i>
18H30- 19H30	Visit of Ruben's lab by participants and scientific media
19H30- 20H30	Closed discussion between WATCH PIs
20H30-23H00	DINNER

FRIDAY, MAY 3

- 09H00- 09H30 **Chusa Gonzalez-Rellan**, University of Santiago de Compostela, Spain
p53 as a new gluconeogenic factor
- 09H30- 10H00 **Daniela Fernandois**, Inserm, France
Estradiol receptor alpha in tanycytes orchestrate fertility and metabolism
- 10H00- 10H30 **Marcos Fernandez Fondevila**, University of Santiago de Compostela, Spain
Hepatic p63 promotes fibrosis
- 10H30- 11H00 **Natalia Lima**, University of Santiago de Compostela, Spain
ATG3: a new player in non-alcoholic fatty liver disease
- 11H00- 11H30 **Laura Hölzen**, University of Lübeck, Germany
GPCR signalling in tanycytes
- 12H30- 14H00 **LUNCH** (Hall of CIMUS)
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Accommodation

Eurostars Gran Hotel Santiago, Avenida do Mestre Mateo, 27, 15706, Santiago de Compostela, La Coruña, Spain

Next Meeting : Lille, France (September 17th & 18th 2019)
