

# TRANSAUTOPHAGY

European Network for Multidisciplinary Research on Autophagy

Quarterly Newsletter - Summer 2018 -

<http://cost-transautophagy.eu/>



## Words from the Management Committee



- Thank you to all participants at:  
◀ 83<sup>rd</sup> Harden Conference: Autophagy - from Molecules to Disease II  
Organizers: Sharon Tooze & Jon Lane
- Apply to *Short-Term Scientific Missions*
- Follow us on [Twitter](#) and [LinkedIn](#)



## Publications/Videos

### Special issue from COST TRANSAUTOPHAGY members:

- Oxidative Medicine and Cellular Longevity:  
***Transautophagy: Research and Translation of Autophagy Knowledge.***



### Other reviews from COST TRANSAUTOPHAGY members in Spring 2018:

- *Regulation and Roles of Autophagy at Synapses.* Trends Cell Biol
- *A molecular perspective of mammalian autophagosome biogenesis.* J Biol Chem
- *Targeting autophagy for the treatment of cancer.* Biol Chem
- *The complex relationship between TFEB transcription factor phosphorylation and subcellular localization.* EMBO J
- *Autophagy and liver cancer.* Turk J Gastroenterol • *Mitophagy in neurodegenerative diseases.* Neurochem Int
- *Autophagy in Age-Associated Neurodegeneration.* Cells • *Autophagy during Early Virus-Host Cell Interactions.* J Mol Biol
- *Mechanism and medical implications of mammalian autophagy.* Nat Rev Mol Cell Biol
- *Coordination of Autophagosome-Lysosome Fusion by Atg8 Family Members.* Curr Biol



## PhD/Postdoc/Job opportunities

- ZMBP University of Tübingen, S. Üstün Laboratory, Tübingen, DE  
Postdoc: *Proteolytic degradation pathways and their role in plant immunity*  
Contact: suayib.ustun@slu.se or suayib.uestuen@zmbp.uni-tuebingen.de
- Goethe University Frankfurt, I. Dikic Laboratory, Frankfurt, DE  
Postdoc: *ER-phagy.* Contact: dikic@biochem2.uni-frankfurt.de



## Upcoming Autophagy Meetings/Workshops

### COST TRANSAUTOPHAGY as organizer or co-organizer:

- 5-8 August 2018, Montpellier, FR. WG3 annual meeting at: *12<sup>th</sup> Congress of the International Plant Molecular Biology*.
- 4-7 September 2018, Vienna, AT. *21<sup>st</sup> European Network of Plant Endomembrane Research*. Co-organized with University of Natural Resources and Applied Life Sciences, and Gregor Mendel Institute
- 6-8 September 2018, Budapest, HU. *Workshop on Autophagy in model organisms*



### Other autophagy meeting open for registration:

- *2nd Frankfurt Conference on Quality Control in Life Processes and 8th International p63/p73 Workshop*. Frankfurt, DE
- *FASEB Meeting. Small GTPases in Membrane Processes: Trafficking, Autophagy and Disease*. Leesburg, USA
- *8<sup>th</sup> French Autophagy Meeting (CFATG8)*. La Grande Motte, FR ● *10<sup>th</sup> Swiss Apoptosis Meeting*. Bern, CH
- *Keystone Symposia. Autophagy: From Model Systems to Therapeutic Opportunities*. Santa Fe, USA



## Discovery/Training

### Short-Term Scientific Mission: Testimony from Sarah Parejo (Supervisor: M. Tschan, Bern, CH):



"I had the opportunity to visit Norway and to learn how to perform the LDH sequestration assay in the laboratory of Dr. Nikolai Engedal at the Centre of Molecular Medicine in Oslo. We carried out experiments to advance our project on ALK-inhibition in EML4-ALK positive lung cancer cells. The obtained results demonstrate that targeting ALK with Ceritinib stimulates autophagic activity in our model, suggesting a potential role of autophagy in drug resistance to ALK targeted therapies in lung cancer.



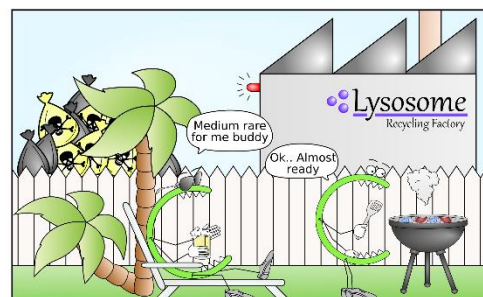
We will continue this project in Bern by investigating the importance of the different Atg8 family members in this process. My six week stay in Oslo was truly an exciting and instructive experience. I was able to benefit from the great expertise of Dr Engedal and his lab members, and we continue to do so, as we implement the LDH assay in our laboratory in Bern". HOST: *Nikolai Engedal, Oslo, NO*

### ITC Conference Grants: Testimony from Leszek Tarnowski (Postdoc, Supervisor: A. Sirko, Warsaw, PL):



"The poster "Relationships between NBR1 autophagy receptor and TOR kinase during nutrient starvation in plants" was presented during the poster session. Participation in this conference was not only the opportunity to present the own results and to discuss them with more experienced scientists but also to listen to many excellent presentations provided by other participants and to gain better skills related to data presentation and interpretation."

Meeting: *8<sup>th</sup> Proteasome & Autophagy Congress, April 2018 Clermont-Ferrand, FR*.



Comic courtesy of Pierre Vigié (PhD student, Supervisor: N. Camougrand, IBGC, Bordeaux, FR)

To be continued