

**Progress meeting
& Consortia summit
11th – 13th May, 2016
Rome, Italy**

We are heading to our 4th consortium progress meeting in Rome. All ESRs and supervisors will meet to discuss the scientific progress of the projects, the ESRs will present their work and after their presentations there will be time for further discussions and planning of further collaborations, focusing on secondments and joint publications within Euroclast.

The external expert Dr. Anne Blangy, Dr. Carmine Settembre and Dr. Jaques Behmoaras are invited speakers and will be attending the progress meeting and the ESRs will have the opportunity to listen to presentations about their work as well as get feedback about their own research.

Throughout the meeting, the ESRs will be staying at Domus Sessoriana, a historic hotel built in an ancient monastery from the 10th century. The building is adjacent to the Basilica Santa Croce and not far from the ruins of Roman temples and amphitheatres. Last but not least, the building has a roof terrace with an outstanding vista over Rome. For this 4th Euroclast meeting we will attend the European Calcified Tissue Society (ECTS) consortia summit to meet with other European consortia in the bone field.

This will represent a great opportunity for the ESRs to further share their work with fellows of other consortia.

All ESRs will be presenting a poster in front of a selective audience of experts, providing a valuable opportunity for training and interactive discussion.



View of the venue of our Euroclast progress meeting at Domus Sessoriana, Rome



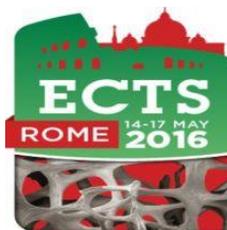
The ESRs about the venue in Rome: "We are really proud our meeting will be hosted in such a beautiful venue! Science and culture: what else?"

**ECTS 2016 - Palazzo dei Congressi,
14th-17th May, Rome - Italy**

There is great excitement about this event!

Enthusiastic about the training received in Siena last September at the ECTS PhD Training, our ESRs decided to participate in one of the most important international congresses in the bone field.

All ESRs will attend the European Calcified Tissue Society (ECTS) congress in Rome during May 2016. During the congress the ESRs will listen to many different lectures and presentations covering different areas of bone and osteoclast biology, from basic to translational and clinical research. Additionally, their abstracts have all been selected for poster presentations and some of the ESRs, Ahn, Giuliana and Sandra, will have the chance to make a pitch and highlight their work in snapshot oral presentations.



**10 ESRs: 10 posters and 3 snapshot
oral presentations!
Euroclast is definitely well
represented!
Well done ESRs!**

Euroclast posters at ECTS 2016

Giuliana Ascone: *'Apolipoprotein E aggravates inflammation and bone destruction during antigen-induced arthritis (AIA)'*

Yixuan Cao: *'Life span differs between osteoclasts derived from different bone marrow precursors: A time-lapse microscopy study'*

Vikte Lionikaite: *'Effects of clinically relevant doses of vitamin A on bone'*

Henrik Löfvall: *'Regulation and function of lentiviral-mediated TCIRG1 expression in osteoclasts from infantile malignant osteopetrosis patients'*

David Massa: *'Characterising the role of the lysosomal membrane proteins MFSD1 and TMEM106b in osteoclasts'*

Emma McDermott: *'Identification and Characterisation of Vesicles in Resorbing Osteoclasts Using Electron Tomography'*

Laia Mira Pascual: *'RAW264.7 subclones - an in vitro model for osteoclast heterogeneity?'*

Sara Sprangers: *' α M2 β ₂ mediates early adhesion of osteoclast precursors to bone'*

Sandra Selegetz: *'The Arf and Rho GTPase-activating protein (GAP) ARAP1 regulates osteoclast function'*

Ahn Tran: *'The Role of LC3 and Autophagy in Bone Resorption by Osteoclasts'*

**English writing course
8th-9th February 2016,
VU ACTA, Amsterdam – the Netherlands**

Almost all ESRs gathered at the Vrije Universiteit ACTA in Amsterdam for a workshop on academic writing. Since scientists are not only expected to do science but also to be able to communicate science, we thought this workshop was a useful tool all ESRs could benefit from.

The workshop was given by the trainer David Alexander, author of the *“Guidelines for clarity and readability in biomedical writing”*. He illustrated us how easily the scientific writing can go wrong and also our English native speakers realised that English writing is not easy at all! After a first part on grammar mistakes common in English writing, we discussed how we could make our writing clearer and more appealing to the reader .



Some of our ESRs unraveling the deep meaning of words

Our ESRs in Amsterdam, Sara and Yixuan, who followed this workshop during the preparation of their manuscripts said:

“We have previously done a longer version of this English course, and we strongly recommend it! We worked with practical examples on how you should arrange and write your article, small tips and tricks, and common mistakes to avoid. David also gave excellent feedback if we already had manuscript drafts ready. It really helped a lot!”



After a tough day of grammar and sentence structuring the ESRs enjoyed a well-deserved dinner!

Very pleased with the workshop, the ESRs asked David for reviewing the ‘Discussion section’ of their manuscripts in writing and he will discuss the text together with the ESRs in individual private Skype video-conferences. Thanks Euroclast, it we are fortunate to have a ‘personal editor’!

News from the ESRs

Giuliana, the ESR in Nijmegen is going on investigating the role of Apolipoprotein E in bone resorption using both *in vitro* and *in vivo* models. She will give an oral presentation on this part of her project to the EULAR Congress which will take place in London in June.

Recently, Giuliana attended a seminar by Anne Blangy, our external expert at the Euroclast meeting, who gave a talk about targeting podosome patterning in osteoclasts to prevent osteoporosis.

Laia, in Stockholm, developed an ELISA assay for the detection of the osteoclast marker TRAP 5b, which she will now trial on a variety of samples. This assay could represent a valuable technique for all of us in the consortium and for many scientists in the bone field. Well done!

Ahn, an ESR in Aberdeen, participated in the 2nd UK Autophagy Network meeting in Edinburgh the 14th-15th April where she gave an oral presentation.

Her talk was well received (congratulations!) and Anh made some new contacts with whom to discuss autophagy and the many pitfalls that exist in the assays used in this field.

Our ESR Yixuan in Amserdam and her supervisor Teun de Vries participated in the anniversary event organised the 16th April 2016 at VU Amsterdam and arranged a workshop with the subject of "*Long live bone*". Please read the special newsletter on this event posted on our website.

Publications

Another publication made by Euroclast ESRs is out in print! Congratulations to Yixuan for her recent article "IL-1 β differently stimulates proliferation and multinucleation of distinct mouse bone marrow osteoclast precursor subsets" published in the Journal of Leucocyte Biology. Interestingly, she found that IL-1 β , a well known pro-inflammatory cytokine able to stimulate osteoclast formation and activity, differently stimulate the different osteoclast precursor subsets present in the bone marrow.

Public engagement

The ESRs share their research and news with the public on Facebook and Twitter. Thanks for your interest in our projects and keep on liking us !!!

