Summer 2024



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News from the Action Chair

Dear ANDRONET Members,

With Summer drawing to an end, our Action had its main event of the year. At the beginning of September, we gathered in an unusually sunny and warm Stockholm to attend the European Congress of Andrology (ECA2024), which included the EAA-ANDRONET co-organised pre-congress course and our annual Management Committee meeting. We can all agree the event was a big success, with excellent science and dynamic interaction between the participants.

We can now look forward to the next events in the field of andrology, such as next year's ANDRONET main event, the European Testis Workshop (ETW2025), which this time takes place in the Netherlands. Information about this and more in our Event Calendar.

Last but not least, we draw your attention to the publications by Action members in our Science Corner. Congratulations to all! *Rafael Oliva*

European Congress of Andrology 2024 and Management Committee Meeting Report



The world of andrology met in Stockholm from the 4th to the 6th of September during the European Congress of Andrology, organised by the EAA - European Academy of Andrology. Besides contributing with 8500€ for the organisation of the conference, ANDRONET also supported the participation of over 90 participants. These members attended one or both ANDRONET-related activities that took place during the conference: EAA – ANDRONET precongress course "What should the andrologist know in 2024?" on the first day and the Management Committee (MC) meeting on the second day.

CA20119





The pre-congress course was well attended, not only by ANDRONET members. Several members participated in it as speakers or chairpersons.



Local organising committee chair and ANDRONET member Jan-Bernd Stukenborg delivering the welcome speech at the ECA2024 opening session.

During the MC meeting, ANDRONET members had а chance to meet and discuss the developments in the Action. The meeting was also broadcast on Zoom for members who could not attend in person. The meeting was open to all ECA2024 participants and was an excellent opportunity to spread the word about our action to potential members. Action Chair Rafael Oliva started by updating on the progress of ANDRONET and the plans for the future. Working

group leaders (Frank Tüttelmann for WG1, Leen Antonio for WG2, and Andrea Sansone for WG3) and the coordinators of Science Communication (Sandra Laurentino and vicecoordinator Ewa Rajpert-De Meyts) and Grant Awarding Committees (Davor Ježek) followed with short presentations. The presentations ended with a discussion led by Action co-Chair Csilla Krausz. The second part of the MC meeting was focused on ANDRONET members and included the presentation of the proposal for the Work and Budget Plan for the remainder of the Action and future plans. In addition, ANDRONET displayed a poster summarising the Action's activities in the catering area throughout the congress.



From left to right: ANDRONET Action Chair Rafael Oliva and Co-Chair Csilla Krausz, WG1 Leader Frank Tüttelmann, WG2 Leader Leen Antonio, WG3 Leader Andrea Sansone, Science Communication Coordinator Sandra Laurentino, and Grant Awarding Coordinator Davor Ježek.

Short-term scientific missions (STSM) and Inclusiveness Target Countries (ITC) travel grants

Within the current application period there is still funding available for three **STSMs**. These grants aim to support scientific or educational visits among COST members. The grants cover travel, accommodation, and subsistence expenses up to a maximum of 4000€. This is an excellent opportunity for any member wanting to visit another institution of lab within the ANDRONET environment. The call is open until the 31st of October 2024. An important point to consider is that the STSM must be finished until the end of the call period, i.e. 31st of October 2024! However, a new STSM call will open soon in the new grant period (November 1,







2024 to October 31, 2025). More information can be found here: <u>https://www.andronet.cat/stsms/</u>

Moreover, **ITC travel grants** are still available. These cover conference attendance, up to 2000€, of early career researchers (PhD students or post-docs < 8 years) from ITCs. Similar to STSMs the application **deadline is 31st of October 2024 and the conference must take place until that date**. Nevertheless, a new call for several ITC travel grants is planned for the new grant period to be used in meetings taking place in the period comprised between November 1, 2024 and October 31, 2025. For more information visit <u>https://www.andronet.cat/stsms/</u>

News from ANDRONET members

This summer, Callista Mulder, Ans van Pelt, and Geert Hamer of the Reproductive Biology Laboratory (LVV) from Amsterdam University Medical Center hosted a group of 15 prominent Japanese clinicians and scientists, including Katsuhiko Hayashi and Takashi Shinohara, pioneers in the field of *in vitro* gametogenesis. The visitors were able to learn about the Dutch experience to implement fertility preservation of testicular tissue. The meeting included a minisymposium on potential innovations and



collaborations to preserve the fertility of prepubertal children undergoing gonadotoxic (cancer) treatment. Presentations were given by Katsuhiko Hayashi, Takashi Shinohara, Masahito Ikawa, about the possibilities and risks of *in vitro* gametogenesis and large genetic screens. Andreas Meissner, leva Masliukaite and Rod Mitchell presented the current progress on male and female fertility preservation in their clinics and in worldwide networks, respectively. The discussions highlighted the mutual learning opportunities and the potential for future collaborations to make safe fertility preservation for childhood cancer survivors a reality.

Science Corner

Recent ANDRONET publications

The list below includes articles published since the previous Newsletter, covering the period from June 2024 to the end of August 2024, and a few not listed before. If you want to share your latest publications, please notify the Science Communication Coordinator or post the reference on the Slack.

Important: if you are a contributor to an article that is co-authored by other ANDRONET members, or if you have benefited from an ANDRONET travel or STSM grant kindly acknowledge the ANDRONET COST Action CA20119 support.

Collaborative publications with ANDRONET members from several countries:

Acknowledging ANDRONET:

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Porsborg PS, Charmouh AP, Singh VK, Winge SB, Hvilsom C, Pelizzola M, Laurentino S, Neuhaus N, Hobolth A, Bataillon T, Almstrup K, Besenbacher S, Schierup MH. Insights into gene conversion and crossing-over processes from long-read sequencing of human, chimpanzee and gorilla testes and sperm. *bioRxiv* (PREPRINT), doi.org/10.1101/2024.07.05.601967

Sanovec O, Frolikova M, Kraus V, Vondrakova J, Qasemi M, Spevakova D, Simonik O, Moritz L, Lewis Caswell D, Liska F, Ded L, Cerny J, Avidor-Reiss T, Hammoud SS, Schorle H, Postlerova P, Steger K, Komrskova K. Protamine 2 Deficiency Results in Septin 12 Abnormalities. *bioRxiv* (PREPRINT), 24 May 2024, doi.org/10.1101/2024.05.28.596175

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Not acknowledging ANDRONET:

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Stallmeyer B, Bühlmann C, Stakaitis R, Dicke AK, Ghieh F, Meier L, Zoch A, MacKenzie MacLeod D, Steingröver J, Okutman Ö, Fietz D, Pilatz A, Riera-Escamilla A, Xavier MJ, Ruckert C, Di Persio S, Neuhaus N, Gurbuz AS, Şalvarci A, Le May N, McEleny K, Friedrich C, van der Heijden G, Wyrwoll MJ, Kliesch S, Veltman JA, Krausz C, Viville S, Conrad DF, O'Carroll D, Tüttelmann F. Inherited defects of piRNA biogenesis cause transposon de-repression, impaired spermatogenesis, and human male infertility. *Nat Commun*. 2024 Aug 9;15(1):6637. https://doi.org/10.1038/s41467-024-50930-9

Other publications from ANDRONET members:

Acknowledging ANDRONET:

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Borelli-Kjær A, Aksglaede L, Jensen RB, Hagen CP, Ljubicic ML, Busch AS, Upners EN, Fischer MB, Jensen TK, Linneberg A, Kårhus LL, Andersson AM, Petersen JH, Juul A, Johannsen TH. Serum Concentrations of Inhibin B in Healthy Females and Males Throughout Life. *J Clin Endocrinol Metab*. 2024 Jun 26, https://doi.org/10.1210/clinem/dgae439

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Event Calendar

30 September - 4 October 2024 3rd ANDRONET-EAA School in Basic Semen Examination Stockholm, Sweden Information: Lars.Bjorndahl@ki.se

3-4 October 2024 ESHRE Campus 2024 – Germ cells and gonads ex vivo: news, views and options https://www.eshre.eu/Education/Calendar-Campus-events/Germcells-and-gonads-ex-vivo Münster, Germany











5 October 2024

COST Action experiences in engaging young researchers

The aim of the webinar is to present different ideas and tools that COST Actions have created for their Action network to engage more young researchers and innovators. During the webinar three different

COST Actions will share their experiences on their innovative measures to further engage the young researchers and innovators and to increase their participation in the network. The presentations are followed by a participant Q&A.

Join by using the registration link and password below. The registrations will close on Thursday 3 October 2024 (EOB).

Registration link: <u>COST Academy – COST Action experiences in engaging young researchers -</u> <u>COST</u>; Password: YRIweb24

9-11 October 2024

10th European Testicular Tumor Workshop (ETTW) https://www.ettw.eu/homepage Prague, Czech Republic

30 October-1 November 2024

92nd Harden Conference: Germ Cell Cancer Genes https://www.eventsforce.net/biochemsoc/205/home Solihull (Birmingham), UK Note: Abstract submission deadline: 7 October 2024

13-15 October 2024

29th Symposium on Biology and Immunology of Reproduction (SBIR) <u>http://sbir.cz/</u> Liblice (near Prague), Czechia

22-24 January 2025

2nd EAA-ANDRONET School in Genetics <u>https://www.andrologyacademy.net/eaa-school-in-genetics</u> Tallinn, Estonia

29 March – 1 April 2025 Joint Congress of the America Society of Andrology & International Congress of Andrology

https://ica-asa2025.com/ Washington, D.C., USA

















13-17 April 2025

23rd ETW - European Testis Workshop The Netherlands

In 2025 ETW will be held in De Ruwenberg, Sint-Michielsgestel, a village close to the city of Hertogenbosch, Brabant, the Netherlands. The ETW 2025 website and registration will become available this autumn and more information will be provided on the Winter Newsletter.

Andronet plans to reimburse up to 100 members participating in this event.



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COST (European Cooperation in Science and Technology) is a funding agency for research and innovation networks. Our Actions help connect research initiatives across Europe and enable scientists to grow their ideas by sharing them with their peers. This boosts their research, career and innovation



