Q: Do you observe a similar nuclear architecture in human compared to mouse?
A: Ovulation was defined as the day before temperature rise, LPD was defined as hyperthermic phase <10d. Data investigating the influence of LPD on spontaneous conception will be analyzed in the future and were not part of the presented study.

Q: Did you swap oocytes on feeder cumulus layer?
A: Not yet, but it needs to be done.

Q: Have you tried to rescue NSN oocytes by culturing them on FL-SN? Is there a difference in the miRNA from FL-SN and FL-SNS?
A: As for the first question, no we didn’t yet, but yes it needs to be tried (although my guess is that NSN oocytes are already too much compromised). As for the second question, yes, as I showed in my presentation, our results indicate that there are differences in miRNAs present in EVs released by FL-SN or FL-NSN.

Q: How do you intend to inactivate the miRNA production in order to analyze the oocytes’ developmental competence in your future study? - technique
A: This is not an easy task and we’ll try several approaches, including proximity enabled dicer inactivation.

Q: Any comparison data with nature in vivo oocytes?
A: Very good question. But, unfortunately we do not have direct comparative data with what happens in the real world. We can just compare our data with what has been found for example in the follicular fluid, but this is not the same.

Q: Have you tried to culture NSN oocytes with conditional medium from SN-CCs to see whether developmental potential can be improved?
A: As for the first question, no we didn’t yet, but yes it needs to be tried (although my guess is that NSN oocytes are already too much compromised). As for the second question, yes, as I showed in my
presentation, our results indicate that there are differences in miRNAs present in EVs released by FL-SN or FL-NSN.

Q: Can you induce "normal" pattern of expression of mivesicles by growth factors such as GDF9?
A: Good question! We will try...