

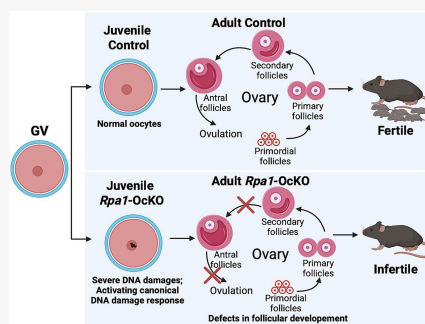
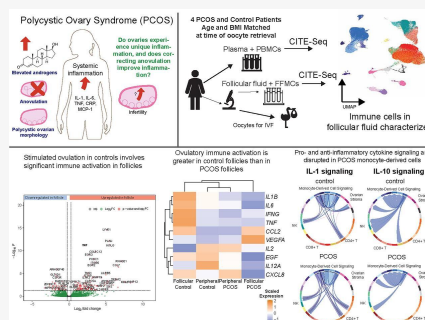
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BOR EDITOR'S CHOICE

Single-cell analysis of follicular fluid reveals dysregulation of ovulatory immune function in Polycystic Ovary Syndrome patients undergoing ovarian stimulation

Andrea K. Wegrzynowicz and colleagues used single-cell analysis to reveal that, despite ovulation induction, the ovarian follicular environment in patients with Polycystic Ovary Syndrome remains immunologically dysregulated. Unlike healthy follicles, PCOS follicles show impaired ovulatory immune signaling and a persistent low-grade inflammatory state, highlighting ongoing local dysfunction



Replication protein A1 is essential for DNA damage repair during mammalian oogenesis

Xiaosu Miao and colleagues demonstrate that replication protein A1 (RPA1) is critical for DNA damage repair during oocyte development, with its loss leading to severe DNA damage, chromosome misalignment, and impaired folliculogenesis. These defects ultimately result in reduced oocyte numbers and infertility, highlighting RPA1's essential role in maintaining oocyte quality.

SSR Spotlight

We want to feature YOU! Do you have exciting research, a recent publication, or a significant achievement you'd like to share with the reproductive biology community? [Submit](#) your spotlight today and help us highlight the diverse and impactful contributions within SSR.



The 2026 SSR Elections are underway – cast your vote?

You should have already received an email with your username, access code, and a link to vote. If you have not received your ballot or have any questions, please contact administrator@ssr.org. Ballot information will be contained in an email from noreply@eballot.com.

Deadline to vote: Friday, May 8, 2026

The conversation is moving!

SSR is evolving our social media strategy to better connect with our community. We've decided to step away from posting on X (formerly Twitter). While we are ceasing activity on X, we aren't going anywhere—we're just moving to the platforms where you are most active.

Follow us for the latest in reproductive science, meeting updates, and member news here:





ANNUAL MEETING

Early Bird Registration ends June 1

2026 SSR ANNUAL MEETING

Back to the Future, Foundational Knowledge for Future Innovations

SUNDAY 19 JULY 2026 — **WEDNESDAY** 22 JULY 2026

JW Marriott Indianapolis

The deadline is tomorrow — don't miss your chance to submit your late-breaking abstracts! Looking for an opportunity to share your research with hundreds of leading industry scientists and reproductive biologists?

The 2026 late-breaking submissions are for in-person poster presentations only and are not eligible for awards or

oral presentations. You must be available to present at the conference. We're welcoming abstracts reporting new basic, clinical, and/or translational research findings in the field of reproduction. You do not need to be a member of SSR to submit an abstract. There are no restrictions on the species involved. The deadline to submit a late-breaking abstract is **Thursday, May 7, 2026**. The deadline will NOT be extended.

[Submit Late-Breaking Abstract](#)

This year's SSR Annual Meeting in Indianapolis, IN, from July 19 to July 22, 2026, is one you won't want to miss! Themed "*Back to the Future: Foundational Knowledge for Future Innovations*," will bring together leading experts, researchers, and industry professionals dedicated to advancing reproductive science. **To secure the early bird rate, register on or before June 1, 2026.**

[Register](#)

[Learn More](#)

[Book Room](#)

COMMITTEE UPDATES

Public Affairs Committee

The first-ever **ReproBioArt Calendar** is here!

Download, print, share, enjoy.

Although it comes a few months later than planned, the SSR Public Affairs Committee is thrilled to share the very first ReproBioArt Calendar with you! We hope this marks the beginning of an annual tradition following the ReproBioArt Image Contest. You're welcome to download and print the calendar for your lab, colleagues, and friends. We can't wait to see it hanging in your labs and shared across our community."

[Download Calendars](#)

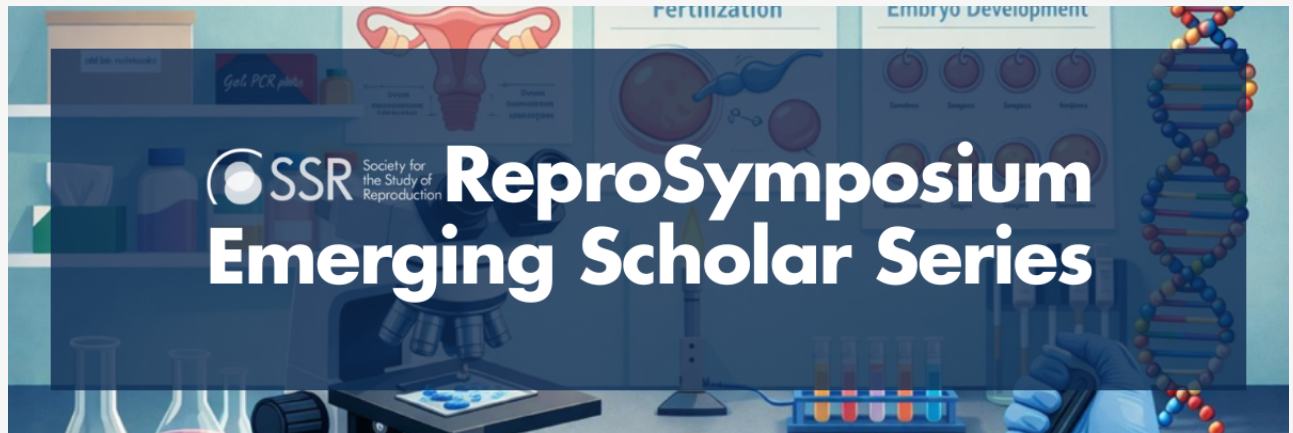
WEBINARS

Upcoming Webinars



Join us on **Wednesday, May 13, 2026, at 12:00 PM ET** for the next session of the 2026 Rising Stars Webinar, featuring speakers Renata Prunskaitė-Hyyryläinen and Yi Athena Ren, moderated by Dr. Bluma Lesch and Shivi Khurana.

[Register Here](#)



SSR ReproSymposium Emerging Scholars Series is a weekly seminar program providing opportunities to interact with experts from academia, industry, and clinical research.

Every Friday, June 5 - July 24 | 12-12:45 ET

[Register Here](#)

[PODCAST](#)



[Listen Here](#)

EP 58: Early Embryo Development: The Material Physics of Cell Division with Dr. Colm Kelleher

During cell division, the chromosomes that contain the genetic material must be copied and segregated. Failure to segregate correctly has dire consequences for cell viability and is a common problem during IVF and pre-implantation embryo culture.

The spindle apparatus that segregates the chromosomes is comprised of ~1000 distinct types of proteins with many thousands of copies of each type. With that in mind, we can imagine the spindle as an extremely complicated molecular machine with millions of parts that each need to be in the right place at the right time for the spindle to carry out its essential functions. This kind of description raises some serious questions.

Stay Connected
with  SSR Society for the Study of Reproduction



About SSR: The Society for the Study of Reproduction (SSR) was founded in 1967 to promote the study of reproduction by fostering interdisciplinary communication among scientists, holding conferences, and publishing meritorious studies. Today, our members come from 50 countries around the world.

Society for the Study of Reproduction | 673 Potomac Station Drive #801, Leesburg, VA 20176

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