Reproductive Science Initiative

Spotlight on the research team

RSI research is lead by

- Jason Barritt, PhD, ELD, HCLD

who serves as Scientific Director and leads the Embryology, Andrology, and Endocrinology Laboratories of Reproductive Medicine Associates of New York.

In collaboration with

- Alan Copperman, MD
- Lawrence Grunfeld, MD
- Tanmoy Mukherjee, MD
- Benjamin Sandler, MD
- Jeffrey Klein, MD
- Eric Flisser, MD
- Jane Ruman, MD
- Natan Bar-Chama, MD

the Reproductive Science Initiative will make tremendous strides in understanding the fundamentals of reproductive function and dysfunction. The RSI team members have published and lectured extensively on advancements in reproduction.

The physicians and scientific collaborators of RSI have applied their findings to help many fertility patients achieve the family of their dreams, and advance the field of reproductive medicine into the future.

"Our Reproductive Science Initiative will focus on improving our understanding of the biology of human reproduction. We plan to build on our findings to improve the safety, efficacy, and success of fertility treatments."

Alan Copperman, M.D.
Research Collaborator, RSI

Reproductive Science Initiative

defining the future in infertility care

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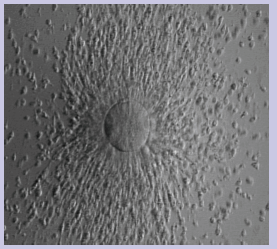
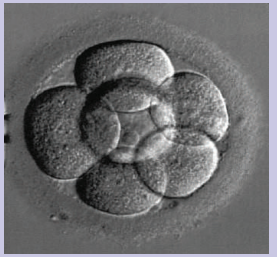
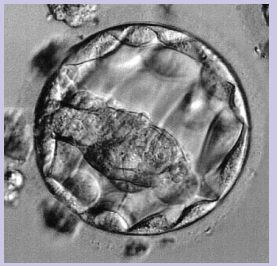
Advancing knowledge



Teaching new practitioners



Helping those individuals we are privileged to care for



Leveraging scientific achievements to maximize patient focused care and successful outcomes

About RSI

In recent years, there have been dramatic improvements in both our understanding of human reproduction and our ability to assist patients experiencing infertility. Our approach to reproductive issues has evolved from the systemic, to the cellular, to the sub-cellular, and now even down to the genomic level.

While many advances have been achieved using animal models, there are significant differences in the human genetic make-up. These differences limit applicability of animal model findings to patients experiencing infertility.

The Reproductive Science Initiative is an innovative program that uses a basic science approach to expand on our knowledge by leveraging both bench-research and clinical collaboration. RSI scientists have a long history of partnering with medical schools, basic science foundations, other reproductive programs, and the biotech industry to approach and solve complex scientific issues.

All research performed by the RSI team is approved both by an internal ethics committee and an external Institutional Review Board (IRB). Human gametes or tissue are only used following formal written patient consent of donation.

Ultimately, it is the goal of the Initiative to promote translation of basic scientific findings into clinical application. Through improvements in the understanding of the biology of human reproduction, we can increase the likelihood of healthy babies being born for individuals undergoing reproductive care.

The initial focus of RSI will include:

- Oocyte cryopreservation for medical and social indications
- Identification of genetic abnormalities in oocytes and embryos
- Analyzing biomarkers to assist in the identification and optimal selection of oocytes, sperm, and embryos with the greatest reproductive potential

RSI recognizes that general scientific knowledge alone only addresses a portion of possible improvements in reproductive medicine. Therefore, we believe in combining basic science with quantitative and qualitative patient focused research. This global approach improves success, safety, and efficacy of treatments for patients seeking to conceive a healthy child or preserve future fertility.

Support RSI

RSI is a non-profit organization and has applied for 501(c)(3) tax exempt status. RSI depends on donations from individuals and corporations, as well as grants, to fund its research. All contributions are tax-deductible to the extent permitted by law.

To support RSI, contributions can be sent to:

Reproductive Science Initiative
635 Madison Ave, 10th floor
New York, NY 10022

Please include the following:

Name _____

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For questions or to speak to an RSI representative, please call or email

646.478.2500

info@reproscience.org