

SPEAKER PROFILE

Professor Teresa K. Woodruff
Thomas J. Watkins Professor of Obstetrics and Gynecology
Dean of The Graduate School
Northwestern University



Teresa K. Woodruff Ph.D. is the Dean and Associate Provost for Graduate Education in The Graduate School at Northwestern University. She is also the Thomas J. Watkins Professor of Obstetrics & Gynecology, the Vice Chair for Research and the Chief of the Division of Reproductive Science in Medicine in the Department of Obstetrics and Gynecology, Feinberg School of Medicine. She is Professor of Molecular Biosciences in the Weinberg College of Arts and Sciences, and Professor of Biomedical Engineering in the McCormick School of Engineering. She is the Director of the Center for Reproductive Science (CRS), Founder and Director of the Women's Health Research Institute (WHRI), and Director of the Oncofertility Consortium. She is an internationally recognized expert in ovarian biology and, in 2006, coined the term "oncofertility" to describe the merging of two fields: oncology and fertility. In 2018, she was inducted into the National Academy of Inventors for the creation of this field along with her other patents in the fields of reproductive biology and bioengineering.

LECTURE ABSTRACT:

Engineering Reproduction: The 3-D Printed Ovary

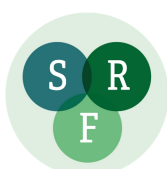
09:15 - 10:00

In 2017, teams in the Woodruff, Laronda, and Shah Labs at Feinberg School of Medicine, Northwestern University, developed an ovarian bioprosthesis using 3-D printed scaffolds made of gelatin, a biological hydrogel made from broken-down collagen. In pre-clinical trials using mice, these prosthetic ovaries are able to house immature eggs, ovulate, and birth healthy pups. Ultimately, the objective for these prosthetics is to restore fertility and hormone production in women and children who have undergone cancer treatment or otherwise lost ovarian function to disease. This technique may also inform other soft tissue engineering in regenerative medicine.

REGISTRATION

Wednesday 25 July 2018 - £25 including VAT *tickets are non-refundable*
09:00 - 17:30, Manchester Conference Centre

[To register for this event, please click here](#)



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