



Bioengineering Technologies to Advance Reproductive Health

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Message from the Guest Editor

Dear Colleagues,

Over the last several years, engineering technologies and bioengineered systems have been used to investigate the physical properties of reproductive tissues, study the dynamics of gametogenesis, and integrate multitissue systems. The purpose of this Special Issue is to identify recent advancements in reproductive biology and regenerative medicine through bioengineering. Topics for publication include the use of engineered microenvironments or materials to interrogate the molecular mechanisms or physiology of reproductive organs or cells, the use of microfluidics to integrate multiple tissues and support gamete quality selection or fertilization, and the use of engineering technologies to characterize the physical properties of reproductive tissues.

Original research submissions are highly encouraged, and review articles that focus on research from the last five years as well as conceptualize the promise of future contributions to understanding reproductive biology and supporting future innovations in regenerative medicine will also be considered.





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Message from the Editor-in-Chief

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