



## 2020 IMPACT CIRCLE

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### **Intergenerational effects of advanced parental age on reproductive and general health outcomes**

One of the most significant recent discoveries in reproductive science is that environmental exposures (chemicals and diet) at critical windows of susceptibility in one generation can impact reproductive health across multiple generations. But whether or how having one or both parents of advanced age affects reproductive function and general health in the next generation has never been explored.

We think that the aging environment associated with having a mother, a father or both parents of advanced reproductive age at the time of conception will affect reproductive potential and general health endpoints in the next generation, and Impact Circle funding will help us start a project to examine this important question.