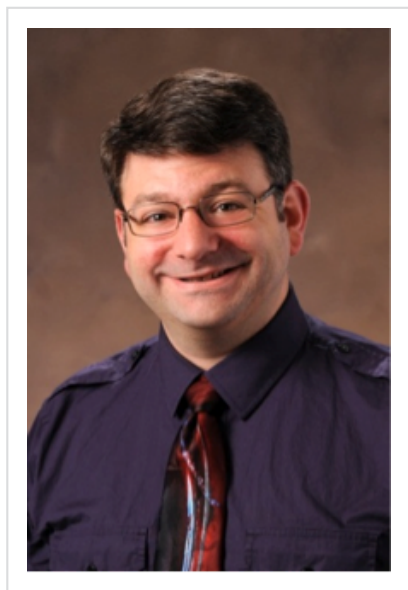


Featured Speaker Series

Insight into
who is speaking,
what they will be presenting, &
why you should be there.

» [*View all speakers*](#)



Frederick Halperin,
Senior Scientist,
Johnson and Johnson

Challenges of Sterilizing Bioactive Biomaterials

The development of bioactive biomaterials has the potential to expand patient treatment options. However, new devices based on these materials also impose a new range of limitations and constraints as these products will be implanted in the human body. It is thus critical to investigate the impact of various sterilization properties on bioactive materials to determine their compatibility. Frederick Halperin will be discussing the **Challenges of Sterilizing Bioactive Biomaterials** at this year's [**NJ Symposium for Biomaterials Science**](#) on **November 9, 2015**.

The purpose of sterilization is to inactivate microbiological contaminants and thereby transform the non-sterile medical device into a sterile one. Novel biomaterials present a unique challenge to develop methods to strategically sterilize medical devices without compromising their structural or bioactive properties. The use of novel bioresorbable polymers for medical device applications is an approach that has seen growing interest. Knowledge about the optimum conditions for sterilizing such polymers will be essential in developing compatible processes in tandem with candidate materials to achieve a device's desired long-term efficacy.

The use of novel bioresorbable polymers for medical device applications is an approach that has seen growing interest. Knowledge about the optimum conditions for sterilizing such polymers will be essential in developing compatible processes in tandem with candidate materials to achieve a device's desired long-term efficacy.

As a Senior Scientist for Radiation Sterilization at J&J Sterility Assurance, Fred Halperin is responsible for electron beam and gamma radiation processing. Mr. Halperin has contributed to publications on electron beam and gamma irradiation of polymers and pharmaceuticals. To learn more about the impact of sterilization on bioactive materials and their design architecture, join us at this year's [**NJ Symposium for Biomaterials Science**](#).

[Sign Up Today](#)

Stay Connected

