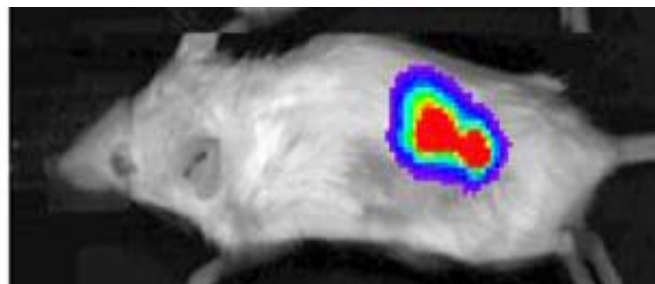


Project /PhD thesis

Microbiology/MD

Topic: In vivo imaging of biomaterials-associated infections



In vivo imaging (IVIS) of a biomaterials-associated infection in a mouse

Project description: This project is part of a large public-private initiative in The Netherlands (BMM) on the development of new, clinically applicable antimicrobial coatings. The project will be run in close association with other academic centres in The Netherlands and industry. In the current project, new markers will be evaluated to monitor biomaterials-associated infections in live animals using the so-called IVIS technique. IVIS makes use of bioluminescent bacteria or fluorescent markers that can be employed to image infection in live animals. IVIS is considered a promising technique to reduce the number of animals required in experiments and is also expected to be clinically introduced in humans within the next decade.

Type of work: experimental

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