

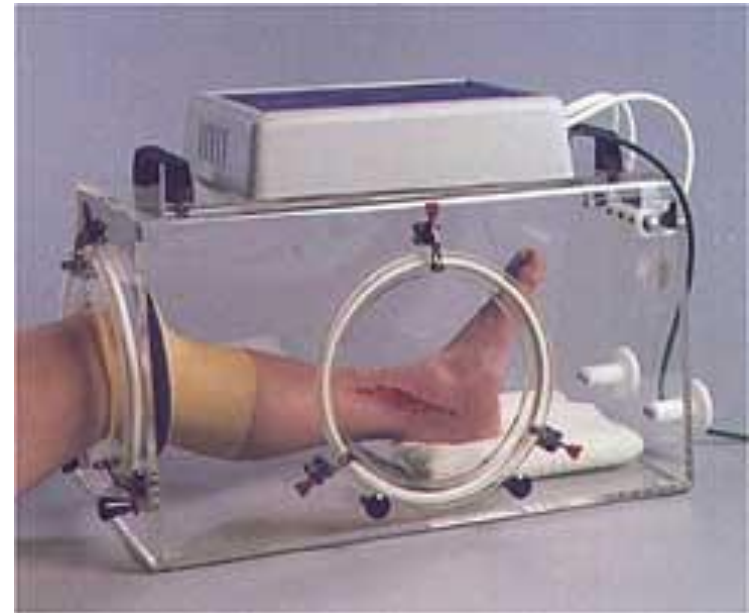


Richard Schugart

Department of Mathematics and Computer Science

Research Interests:

- Mathematical Biology
- Differential-Equation Modeling
- Numerical Methods
- Applications, which have included models in wound healing and cartilage healing





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Current Projects:

- Comparing wound-healing treatment strategies using oxygen therapy
- Analyzing a mathematical model for bacterial infection in wound healing
- Quantifying model parameters from interactions of MMPs & TIMPS in a wound
- Developing a mathematical for cartilage healing



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Courses Taught:

- Introduction to Mathematical Modeling (MATH 305)
- Partial Differential Equations (MATH 435)
- Calculus with Applications for the Life Sciences (MATH 142)
- Multivariable Calculus (MATH 237)

