BRAZIL–SWEDEN RESEARCH & INNOVATION PARTNERSHIP

Molecular diagnostics & alternative pyrogen testing

SPDI / FUNED | Collaborative research and development opportunities

The Infectious Diseases Research Service (SPDI) at Fundação Ezequiel Dias (FUNED), Brazil, seeks international partners to develop and evaluate molecular methods with potential applications in water quality monitoring and pharmaceutical quality control.

01 | qPCR for waterborne protozoa

Research focus
Development and analytical validation of qPCR-based methods to detect Giardia cysts and Cryptosporidium oocysts in water samples.

Potential applications
Complementary tools for water quality monitoring and public health surveillance.

Potential partners: water utilities, environmental labs, universities

02 | MAT-qRT-PCR for pyrogen testing

Research focus
Development and validation of MAT-qRT-PCR, a cell-based molecular approach for pyrogen detection in injectable products.

Development goals
Assess analytical performance, operational feasibility, and cost-effectiveness for pharmaceutical quality control.

Potential partners: pharmaceutical and biotechnology companies

OPPORTUNITIES FOR COLLABORATION

Joint method development • Proof-of-concept studies • Analytical validation • Comparative performance assessment • Cost-effectiveness studies • Technology transfer

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Concept document • Methods under development