Developing systems for high-throughput screening of infectious diseases using zebrafish

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Wouter J. Veneman

2015

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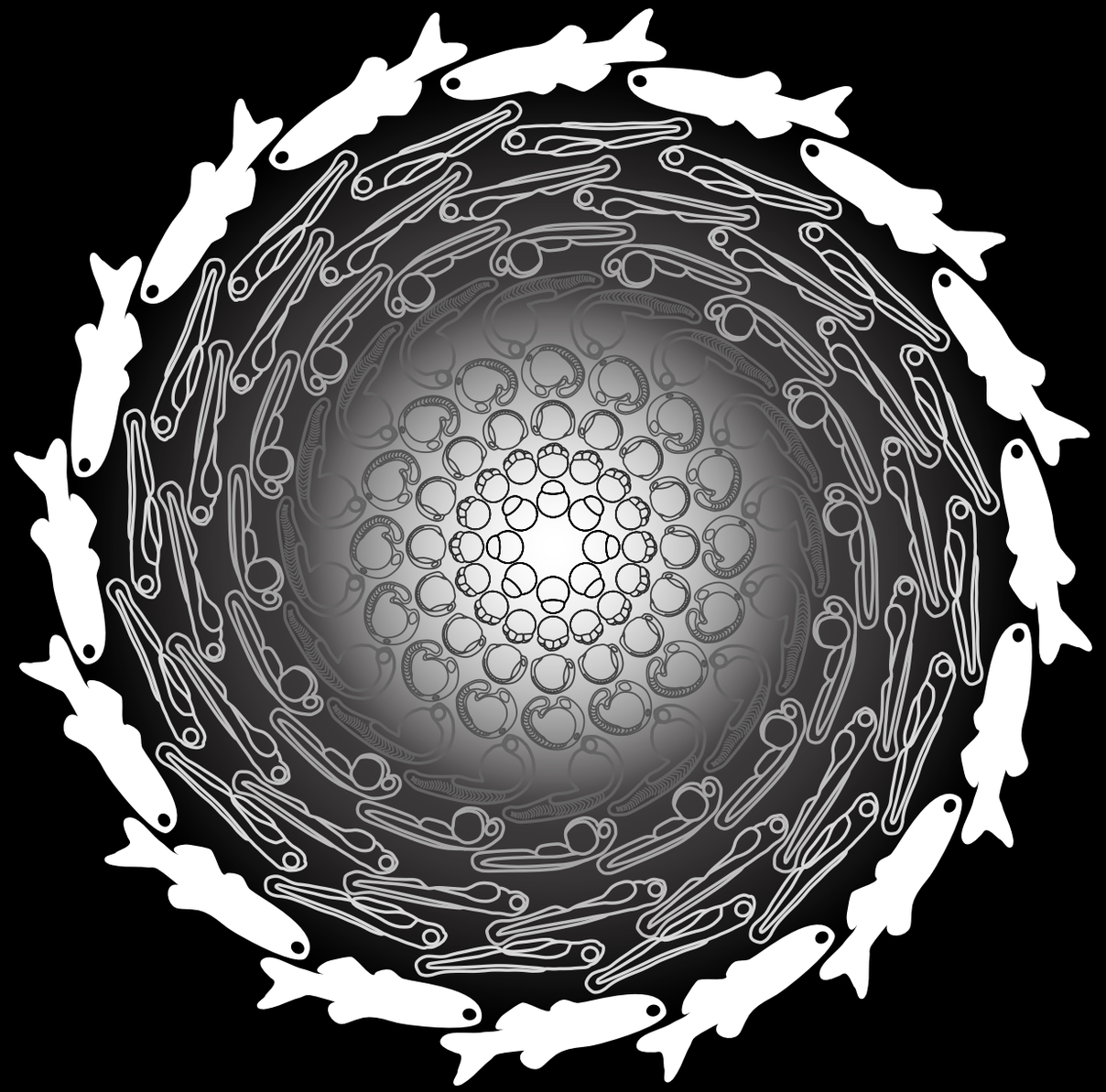

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Leiden 2015

The amount of drug-resistant pathogens is rising and requires new treatment strategies. This thesis describes multiple high-throughput screening techniques that can contribute to the development of these strategies against infectious diseases such as *Staphylococcus epidermidis* and *Mycobacterium marinum*. We found several genes that are specifically regulated in *S. epidermidis* or *M. marinum* in zebrafish larvae. These genes could therefore be a possible target for new specific treatment methods.