

Zebrafish Lab

Lab Overview:

The Zebrafish Lab, as a model system, offers a powerful combination of low cost, rapid in vivo analysis and complex vertebrate biology. Zebrafish are closer to humans evolutionarily than yeast or insects or worms and experiments are faster and less costly than those using mice. A zebrafish model system at MSM will support research in many of our programmatic research areas including but not limited to molecular genetics of cardiovascular development where this is already being developed and used, heart disease, neurogenetics, cell signaling pathways, and genetics of cancer prevention. This will also be an excellent teaching tool which would support our research training programs. Finally, although the use of this model for direct analysis for clinical practice is a fairly new approach there are possibilities already being thought about; for example at the Mayo clinic.

Service Charges:

The Zebrafish core lab will provide consultative and fee for service expertise to basic/translational and clinical investigators. Examples are; animal husbandry, embryo DNA microinjection, generation of transgenic models, morpholino knockdown, in vivo chemical screening strategies, and other custom services as needed.

Currently, all services are charged on an hour-by-hour consultation basis. For more information pertaining to consultation, please contact the core leader directly.



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