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## **CRYOGENETICS IS PROUD TO ANNOUNCE THAT MARK RATH IS JOINING THE CRYOGENETICS TEAM AS COMMERCIAL MANAGER FOR THE ZEBRAFISH AREA**

**Mark has worked in the aquaculture field since 1999**, with experience in several sectors of the industry including both food and ornamental fish production, conservation, public aquariums, agricultural extension and aquatic research models.

He completed his M.S. in Aquaculture from the University of Maryland MEES program in 2004 and over the years has worked with many species, including tilapia, yellow perch, striped bass, Atlantic sturgeon, menhaden, blue crabs, oysters, clownfish, sea urchins, African clawed frogs and zebrafish.

Mark joins Cryogenetics following 10 years working for Charles River supporting their zebrafish husbandry contract at the National Institutes of Health in Bethesda, MD.

He helped lead their team in the development and management of over 15 different aquatics research facilities and laboratories on the campuses of the N.I.H. and the Walter Reed Military Medical Center.

He acted as a liaison and coordinator between government scientists, contractors, and veterinary staff placing him in a unique position to bridge science and practice at the largest zebrafish facility in the world.

In 2011-2012 Mark served a two year term on the Executive Board of the Zebrafish Husbandry Association as President-Elect and President.

Mark brings to Cryogenetics a passionate belief in the continued potential of the zebrafish as a research model and a strong relationship with the community that uses and studies it.

***"We are very happy to have Mark on board our team"*** says the CEO of Cryogenetics Jorn Ulheim.

*"Mark has the background and network we have been looking for to bridge the superior Cryogenetics zebrafish technologies into the various zebrafish laboratories around the world and he will become an important person for us bringing this message across to the zebrafish community".*



## LEADING INSTITUTES ARE USING CRYOGENETICS' TECHNOLOGY TO CRYOPRESERVE VALUABLE GENETICS LINES

The three zebrafish tank rooms at our facility on 14D Gill Street in Woburn are now starting to be populated with zebrafish from different clients.

Leading institutes in the Boston and Washington DC areas have sent their fish to Cryogenetics Inc. for cryopreservation of sperm and storage of their valuable lines.

When sending the zebrafish to Cryogenetics, they will be placed in a zebrafish tank room completely separated from other clients' fish until cryopreservation takes place. By doing this, a high level of biosecurity can be ensured. When the fish are ready for stripping, the sperm is extracted, diluted, transferred to our patent-pending "micro-straws" and cryopreserved in liquid nitrogen.

Within storage areas, all clients have their own separate nitrogen dewar making this process also safe and biosecure. Cost effective biobanking is offered by Cryogenetics; whether the samples come from previously frozen material that clients may have at their own facility, or newly frozen samples from Cryogenetics; we can accommodate all storage needs.

The dewars are monitored daily and nitrogen refilled on a regular schedule. When you need any frozen samples to be returned, notify Cryogenetics and we will package the samples and send them back to you. If you prefer to have your samples transferred back for storage at your own laboratory, we will of course organize this.



## CUSTOMER SERVICE IS OUR PRIORITY

We work closely with laboratory members to determine the specific needs of each client.

Our goal is to offer support in fish reproduction, cryopreservation and storage so that our clients can be successful in their research goals.

We also offer ongoing training programs in thaw and *in vitro* fertilization procedures so that predictable fertilization results can be expected for the long term.

We will help our clients to become experts in IVF using fresh and cryopreserved sperm!

**«We will make you an IVF expert!»**



**AquaBoost**  
OvaCoat

### EASIER AND BETTER IVF WITH AQUABOOST™ OVACOAT

We are pleased with the feedback from clients who have told us that they have enjoyed a greater success with IVF when keeping eggs in AquaBoost™ OvaCoat prior to fertilization, than they had previously experienced.

James Cameron at the University of Washington says that he did several trials with OvaCoat and had great success pooling and mixing the eggs from several fish into eppendorf tubes.

*“I would highly recommend this product”* James tell us.

By placing the eggs in OvaCoat directly after stripping, several egg clutches can also be combined. The eggs can be kept in OvaCoat up to 30 minutes after stripping and before fertilization takes place. This builds confidence that you know that you will have enough time to prepare for fertilization without the worry of eggs drying out.



For more information about our products and services for zebrafish, please visit our newly redesigned website at:

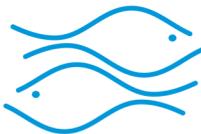
<http://www.cryogenetics.com/zebrafish/>

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