

**Zebrafish K-12 Science Education Support Call for Proposals  
Supported by Aquaneering, Inc. San Diego, CA**

Aquaneering is once again supporting zebrafish science education through this call for proposals to provide a minimum of one E-Rack (complete zebrafish housing system for classroom settings) to deserving K-12 teachers with a demonstrated need and clear capacity to advance the use of zebrafish in their classrooms.

The E-Rack has two shelves, one with five 2.8-L and one with eight 1.8-L tanks. Six breeding tanks are included for embryo production. This is a self-contained system with a four-step filtration process to maintain consistent water quality for the fish and a carbon pre-filter to remove chlorine from incoming water (If RO water is used, salts will need to be added back in.) All that is required is a floor drain or sink for water discarded during daily exchanges. The racks are on casters and can be transported from their permanent locations to a lab or classroom whenever needed.

Overall rack dimensions: 41" wide x 20" deep x 63" tall

Approximate yearly cost for consumables:

<b>Description</b>	<b>Cost</b>
25 Watt UV Replacement Lamp for Emperor	\$65
Carbon Filter Sleeve (12") 5 each	\$44
Activated Carbon 6 Lbs.	\$32
Fish Food – 1 Lb. Bag	\$10
6-Way Test Strips (24/pack) 5-Way strip for alkalinity, pH, nitrite, nitrate, hardness. Separate ammonia strip.	\$21
<b>Total</b>	<b>\$172</b>

**Instructions:**

Proposals Due: July 6<sup>th</sup>, 2016

Awards made: July 15<sup>th</sup> or 16<sup>th</sup> in conjunction with the 12<sup>th</sup> International Conference on Zebrafish Development and Genetics, Orlando, FL, July 13-17<sup>th</sup>, 2016.

Submit proposal by e-mail to Chris Pierret ([pierret.christopher@mayo.edu](mailto:pierret.christopher@mayo.edu)). Questions about the proposal can be directed to Michael Pickart ([Michael.Pickart@cuw.edu](mailto:Michael.Pickart@cuw.edu)) or Chris Pierret ([pierret.christopher@mayo.edu](mailto:pierret.christopher@mayo.edu)). Proposals will be reviewed by members of the zebrafish community active in educational use of zebrafish. Questions about the rack can be directed to Bobbi Baur ([bobbi@aquaneering.com](mailto:bobbi@aquaneering.com)).

**Proposal Format:**

1. Teacher name
2. Date
3. School name
4. Mailing address
5. e-mail address
6. Phone number
7. Description of previous experience using zebrafish or Medaka in the classroom. Please include grade level, course(s), and number of students. Also indicate whether any results stemming from this work have been submitted for publication or presented at local, regional, or national conferences. (1 page, single-spaced maximum)
8. Description of intended use for rack, including grade level, course(s), and number of students that will be given the opportunity to work with the fish. State also whether and how results and/or novel teaching methods will be shared with others within or outside your school. (2 pages, single-spaced maximum)

**Qualities that will be used to evaluate proposal:**

- Use of inquiry-based and hands-on approaches
- Connection of curricula with specific learning goals and state or national science standards
- Need for a multi-tank system
- Broader impacts: intent to share findings/methods with other teachers within or outside home institution.

Note: The winning applicant will need to agree to provide a short summary and 2-3 pictures to the organizers and Aquaneering within two months of receiving the rack to show how it is being used. This will be used within the zebrafish education community to create additional awareness and excitement.

9. Description of other financial support for this project.



Image of E-rack showing 1.8 liter tanks on top shelf, 2.8 liter tanks on second shelf, and breeding tanks below the second shelf.