POSITION ANNOUNCEMENT
Research Specialist
UWM School of Freshwater Sciences

Position: Research Specialist
Appointment: Academic Staff, Fixed Term Appointment, 100% time
Anticipated Starting Date: November 1, 2014

Fred Binkowski, a senior research scientist at the School of Freshwater Sciences is seeking a research specialist to assist in research related to yellow perch production using large scale recirculating aquaculture systems (RAS) and both natural and hybridized aquaponic systems. The research specialist will be responsible for the operation, management, and maintenance of both natural and hybridized aquaponics systems at a commercial production facility. The position requires knowledge of fish husbandry, especially in regard to cool water fish species, and plant husbandry practices specific to aquaponic systems. The research specialist will be responsible for water quality monitoring, analysis, and adjustments in aquaponic systems including dissolved oxygen, pH, nitrite, ammonia, hardness, alkalinity and turbidity.

This position also involves assisting in research on the rearing and analysis of several fish species including the development of yellow perch broodstocks for aquaculture in natural and hybrid aquaponic systems and recirculating aquaculture systems (RAS). The position requires knowledge of early life stage culture for yellow perch utilizing intensive aquaculture technology (IAT).

The hired Research Specialist will work in the fish rearing facilities of the Great Lakes Aquaculture Center at the UW-Milwaukee School of Freshwater Sciences two days per week and at Growing Power-Milwaukee aquaponic facilities 3 days per week. This position requires working irregular hours, weekends, and holidays.

Required Qualifications:
  a) A Bachelors degree in biology, aquaculture, fisheries biology, or conservation with 2 years of experience in fish culture and/or breeding (not tropical).
  b) Two years of experience in independently operating and maintaining natural and hybridized aquaponic systems.
  c) Experience with water chemistry monitoring and analysis as it relates to aquaponics. Individual must have ability to monitor water chemistry parameters and make adjustments to aquaponic systems independently when necessary.
  d) Horticultural knowledge as related to natural and hybridized aquaponics including appropriate plant selection, managing densities, pruning, composting, and harvesting techniques specific to coolwater fish systems.

Preferred Qualifications:
  a) Experience with PVC plumbing, basic carpentry skills, and familiarity with tools.
  b) Experience with maintaining recirculating aquaculture systems.
c) Knowledge and proficiency in operating, diagnosing, and corrective procedures related to solar water and composting heating systems.
d) Experience in maintaining aquaponic plants through organic pest control.
e) Experience working with yellow perch broodstock and spawning procedures including fertilization, processing, and incubation set-up.
f) Knowledge and skill in food production and presentation for first-feeding of yellow perch sac fry.
g) Experience in culturing yellow perch from sac fry to fingerling stage.
h) Experience in supervising and scheduling staff.
i) Good computer skills including knowledge of Excel and PowerPoint.
j) Experience in record keeping, report or paper writing, and oral presentation.

**Terms of Employment:** The Research Specialist position is a 6-month, 100% fixed term Academic Staff appointment. This position is not renewable. Salary will be within Academic Staff salary Range 2 with excellent fringe benefits.

**Application Procedures:** The complete application package must be submitted electronically at the following address:

https://jobs.uwm.edu/postings/20510

A complete package contains: a cover letter outlining qualifications and interests, in addition to a resume with names and contact information for three references that can speak to your abilities. Applications must be submitted online no later than October 25, 2014.

*For the UWM Crime Statistics Report see [http://uwm.edu/Dept/OSL/CleryAct.html](http://uwm.edu/Dept/OSL/CleryAct.html), or call the Office of Student Life at 414-229-4632 for a paper copy.* All finalists for this position will require a criminal records review consistent with the Wisconsin Fair Employment Act.

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School of Freshwater Sciences Web Site: [www4.uwm.edu/freshwater/](http://www4.uwm.edu/freshwater/)