



On The Prowl: The Research Review

March 2022



Technology & Innovation

New Methods for Spawning Yellow Perch

Current strategies for yellow perch are too dependent on wild populations as sources of eggs and fingerlings for grow-out. Grow-out represents the longest production phase in aquaculture. **Dr. Fred Binkowski** and **Dong-Fang Deng** have developed a process that involves conditioning yellow perch using new methods which include the modification of water temperature and light-dark cycles to spawn anytime on the 12-month calendar once sexual maturity is reached. Current practices limit production of young fish for grow-out to a single annual crop that would be available in late spring through early summer. With this pattern, aquaculturists have to invest in large holding facilities and deal with oversupply at harvest time which results in undesirable effects on price. This technology remedies by spreading production over time. View NCS [here](#)



Dr. Fred Binkowski

UWM Spotlight



Dr. Jennifer Doering, UWM

Inventor **Dr. Jennifer Doering**, PhD, RN, Associate Dean for Academic Affairs and Associate Professor, was recently cited by the Canadian federal government, the Canadian Pediatric Society and Baby's Breath in a joint statement on Safe Sleep. Dr. Doering has invented a sleeping environment system designed to control risk of death from overlay, suffocation, and entrapment through passive and active protections. Dr. Doering and her colleagues have combined their expertise in nursing science, ergonomics, and electronics to take a unique approach toward creating an infant sleep environment that minimizes both the physical threats to the infant's safety and the barriers between parent and infant. The interior of the sleeping environment meets the American Academy of Pediatrics criteria by providing a firm, flat, proximate, yet separate and dedicated sleep space. View NCS [here](#)

Bridge Grant Awardees

We are pleased to announce our year 2 awardees for our Bridge Grant Gap Fund for UWMRF startups. This fund is supported by the WEDC Capital Catalyst program to aid in the investment of emerging growth companies in the state of Wisconsin. We are grateful to all of our donors that helped in providing matching funds for this program including Bader Philanthropies, Clarios, and the UWMRF board members and staff.

The Bridge Grants are designed to provide “bridge” or “gap” funding to start-ups that have progressed past the government funded basic research stage and are moving towards funding focused on commercialization. The UWMRF encourages faculty, staff, and students across all disciplines to **apply**. Many benefits arise from the creation of start-ups at UWM including improvement to the state economy, new job creation, attracting and retaining students and talented researchers, improving the quality of products and services created in Wisconsin.

This year three companies received phase II funding & two companies received phase I funds:

- **COnovate, Inc.** - \$50,000, new materials for lithium-ion batteries
- **RoddyMedical Holdings, Inc.** - \$40,220, SecureMove-TLC for securing/managing medical tubing
- **Pantherics Incorporated** - \$38,000, novel drugs for asthma/inflammation
- **Estrigenix Therapeutics, Inc.** - \$25,000, novel drugs for treatment of hot flashes
- **Septillionth, Inc.** - \$25,000, hand-held lead detector for water

Events and Deadlines



April 21 | 4:00 - 7:00M | U Club of Milwaukee

RSVP

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