

ROOSTER CALL



PLATTEVILLE OPTIMIST CLUB

CURRENTLY MEETING 7:00 AM FRIDAYS AT COUNTRY KITCHEN, HWY 151, PLATTEVILLE, WI

Friday, October 16, 2015

Attendance: Twenty-one Optimists attended. Eight were wearing their Optimist Shirts (Bob Weier, Tom Nall, Ken Kamps, Maggie Kleisath, John Urness, Charlie Clark, John Urness, and Ernie Thalmann).

Mystery Greeter: Maggie Kleisath greeted Wayne Wodarz

Joker Draw: Dave Jones's ticket was drawn for the Joker Draw. Dave drew and got the 3 of diamonds as well as \$2.00 for the time together.

Business Meeting:

++ Brad Brogley was installed as a new member by Kevin Haertzen and Ron Weier. (See pic at right.)

++ Senior Center still needs help delivering meals and assisting people on an off the bus. Call the senior center if you are able to help.

++ Dave Allen notified Ron Weier that he has decided not to renew his membership at this time. He has a great respect for the club and wonderful things that we do. It is not the right time in his life to participate further.

Thank You: Thank You's from the After School Club and the Dave Zmina family were passed around.



Program: Kevin Haertzen introduced the speaker, Dr. Miranda Bader, who teaches biology at UW-Platteville. Dr. Bader grew up in Platteville and graduated from PHS in 2000, from the University of Wisconsin-Eau Claire in 2005, and from the University of Kentucky in 2010 with a PHD in chemistry. After graduation, she did post-doc work at Mayo Clinic in Rochester, MN for three years before returning to Platteville. Her talk was about "A More Effective Treatment for Cancer".

She was always interested in biological chemistry and molecular biology, as well as work with neuro-oncology. Her first research experience at the Mayo Clinic involved stem cells and their effect on aging of the brain. She later switched labs and studied chemotherapy-induced peripheral neuropathy. Through her studies she realized that common chemo therapy is hard on patients. It kills the normal cells as well as the cancer cells. The same chemo therapy drugs usually aren't prescribed in most cases of recurring cancer. Chemo treatments kill both neurons, which don't reproduce, and cancer cells which reproduce. Patients can get peripheral neuropathy from the treatments. It is pain that needs to be managed and differs in the way it affects each patient. Neuropathy is the trade-off for killing the cancer.

She is working with Dr. Marilyn Tufte to continue the Brewer research that Tufte did in the 1980s. Dr. Brewer felt that cesium will shrink tumors as demonstrated in his research with mice. Tufte continued the research with animals as far as she could go with equipment available to her. Animals are treated well in research due to regulations.

Cesium is found in nature, especially in desserts, where plant roots are deep, and volcanic areas, and looks like salt. Native Americans who eat naturally grown food with deep roots in the desserts did not get cancer due to the cesium in the food. The younger Native Americans who eat more processed food are getting cancer. Information is result of research done in the past.

Bader will conduct research with purchased cell cultures which mimics human cells and donated tumor cells. Her work will emphasis colon cancer as it affects both older and younger people. She is beginning to work with an assistant at UW Madison and looking for other collaboration opportunities. Dr. Bader is excited to be learning new technology and continue Dr. Tufte's research with her. Dr. Bader's research will be funded by the A. Keith Brewer Foundation. When asked how soon the treatment will be available to patients, she said it would take about 20 years. Results need to be replicated (5 years), followed by clinical studies (3 phases with intro-vetro and then volunteer studies), then have FDA approval.

Good luck in your research Dr. Bader. Thanks for joining us today.

Minutes taken and submitted by Fern Nall; edited for "Rooster Call" by Charlie Clark.



Platteville native Dr. Amanda Bader (left) teaches biology at UW-Platteville and spoke to our club about her research work around cancer treatments.