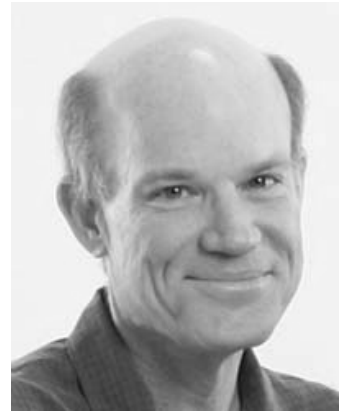


BIO342 Animal Behavior Seminar Report #1  
Seminar: Friday October 5<sup>th</sup> 4:10 PM in B19

**David W. Pfennig,**  
**Dept of Biology, Univer. of North Carolina**  
*"Polyphenism and the origins of diversity"*



**If you are going to attend the seminar,** you should read his recent review paper (Pfennig, et al 2010). After the seminar, you will receive credit for attending by writing a brief, ½ page summary of the seminar.

In your seminar write up:

- 1) What was the main concept in this seminar?
- 2) How is it novel or different than our past understanding of biology.
- 3) Describe the example(s) that best support his hypothesis.
- 4) In your own words, explain how these concepts are relevant to Animal Behavior.

**If you cannot attend the seminar,** you may receive full credit for the seminar by reading a recent primary research paper written by a graduate student in his research group (Ledon-Rettig & Pfennig, 2012 (available on the course website)) and writing a brief, ½ page write up. This primary research paper tests the biological hypothesis that "Predator-mediated behavior plays a key role in promoting diversification of feeding strategies."

In your paper write up:

- 1) Clearly state the experimental hypothesis for the work that is presented.
- 2) In your own words, describe the results that are presented in each figure.
- 3) Explain how those results are used to support the biological hypothesis.