



PHOTOGRAPH BY BEN SPEERS-ROESCH

# CALL FOR PAPERS FOR FOCUSED ISSUE

*PHYSIOLOGICAL AND BIOCHEMICAL ZOOLOGY* IS SOLICITING MANUSCRIPTS FOR REVIEW FOR A FOCUSED ISSUE ON

## INTRASPECIFIC VARIATION IN PHYSIOLOGY AND BEHAVIOR

TRADITIONAL STUDIES OF PHYSIOLOGY AND BEHAVIOR OFTEN AVOID EXAMINING INDIVIDUAL DIFFERENCES, VIEWING THESE DIFFERENCES AS INCONVENIENT “NOISE” IN THE ATTEMPT TO DISCERN GENERAL PROCESSES. FOR THIS FOCUSED ISSUE, WE INVITE STUDIES THAT RECOGNIZE INDIVIDUAL VARIATION IN PHYSIOLOGY AND BEHAVIOR AS AN IMPORTANT COMPONENT OF PLASTIC RESPONSES OF ANIMALS TO THE ENVIRONMENT, AS WELL AS IN PROVIDING THE BASIS FOR NATURAL SELECTION.

POSSIBLE TOPICS INCLUDE, BUT ARE NOT LIMITED TO

- THE PROXIMATE CAUSES OF BEHAVIORAL SYNDROMES AND/OR ANIMAL PERSONALITY (I.E. THE PHYSIOLOGY UNDERLYING INTER-INDIVIDUAL DIFFERENCES IN BEHAVIOR)
- LINKING INDIVIDUAL DIFFERENCES AT THE GENETIC, MOLECULAR, CELLULAR OR STRUCTURAL LEVELS TO VARIATION IN ORGANISMAL PHYSIOLOGY OR BEHAVIOR
- CAUSES AND CONSEQUENCES OF INTER-INDIVIDUAL VARIATION IN STRESS RESPONSES AT ENDOCRINE OR OTHER LEVELS
- STUDIES OF NATURAL, SEXUAL OR ARTIFICIAL SELECTION ACTING ON PHYSIOLOGICAL VARIATION
- STUDIES OF THE GENETIC BASIS OF INDIVIDUAL VARIATION OR COVARIATION IN PHYSIOLOGY AND BEHAVIOR (E.G. QUANTITATIVE-GENETIC ANALYSES, CANDIDATE GENE APPROACHES)

SUITABLE PAPERS SHOULD BE HYPOTHESIS-DRIVEN STUDIES OF INTRASPECIFIC VARIATION IN MOLECULAR, CELLULAR OR BIOCHEMICAL PROCESSES THAT UNDERLIE MORPHOLOGY, PHYSIOLOGY, AND BEHAVIOR, SET WITHIN AN EVOLUTIONARY OR ECOLOGICAL CONTEXT. ALL PAPERS WILL BE PEER-REVIEWED.

DEADLINE FOR SUBMISSIONS: SUBMIT PAPERS TO [WWW.EDITORIALMANAGER.COM/PBZ](http://WWW.EDITORIALMANAGER.COM/PBZ) BY NOVEMBER 1, 2011.  
IDENTIFY THE PAPER AS A SPECIAL ISSUE SUBMISSION.