Animal Biosonar Satellite Meeting
July 15, 2018, 9 a.m. to 4 p.m.
Brisbane Powerhouse Rooftop Terrace
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Organizers: James A. Simmons, Brown University (james_simmons@brown.edu); Cynthia F. Moss, Johns Hopkins University (cynthia.moss@jhu.edu).

Steering Committee: J. A. Simmons, C.F. Moss, M. Smotherman, A. M. Simmons, M. Elhilali, R. Mueller, M. Roan

The goal of the Animal Biosonar Satellite Meeting is to bring together currently active researchers at all career levels to evaluate new methods, new findings, and new concepts for advancing our understanding about the formation and content of the images perceived by echolocating animals. The plan is to focus on several topics of integrative nature.

a. Comparing echo reception and factors that affect sensitivity in dolphin and bat echolocation.
b. Comparing object perception and image content in dolphin and bat echolocation.
c. Developing comparable noninvasive neurophysiological methods for recording pulse and echo responses from behaving dolphins and bats, along with concepts for interpreting the results.
d. For neurophysiological research, applying the methods and concepts of multiple-electrode array recordings in bats, interpreting the results, and relating results from these invasive methods to results obtained in noninvasive experiments.

Bat sonar has long been one of the core model systems for neuroethology. Past International Congresses for Neuroethology have included echolocation symposia, and prior international conferences on animal biosonar have kept the field largely informed of recent research. However, methodological, experimental, and theoretical progress achieved in the past decade has outstripped its dissemination across the field of echolocation research, as well as neuroethology more generally. The Brisbane Animal Biosonar satellite meeting will assess new acoustic, behavioral, neurophysiological, and computational results so the participants can integrate this new knowledge into their own particular research programs.

Format: Oral presentations, ranging in length from 5 min (data blitz format) to 20 min, depending on numbers of participants.

Advanced Registration by June 30: $100 faculty/professionals; $20 graduate students/postdocs. Includes lunch and 2 coffee breaks

We are seeking funding from several sources to support the meeting, but currently have secured only limited resources. Consequently, participants are urged to take the initiative to seek support for travel and registration.

To indicate your interest in this workshop and to submit a title for your presentation, please fill out the Google form:

https://drive.google.com/open?id=13Fh84V6vMIuE_brhY7OMSStGBOPmBd-4s5y2Z7mVHV4