

## APPLICATIONS OF DYNAMICAL SYSTEMS THEORY IN BIOLOGY

*Organizers:*

**Torsten Lindström** (contact person) Linnaeus University, Sweden, **e-mail:** torsten.lindstrom@lnu.se

*Aims:* In this session we primarily accept talks that are using dynamical systems theory in order to analyze various models that arise in biological applications. The models analyzed may be mechanistically formulated, fitted to data, deterministic, or stochastic. Various relations between such models that arise in different modeling approaches and under different simplifying assumptions can be analyzed. Possible biological applications can include ecology, epidemiology, pharmacokinetics, evolution, physiology, pattern formation, and resource distribution, but are not limited to these topics.