



# Introduction to Stan @ ISBA 2016

Fundamentals of Stan

Sebastian Weber, Novartis Pharma

12th June 16, ISBA16

Hamiltonian Monte Carlo

Stan In Practice

Hands-On Session

Advanced Modeling: Mixture Models & Non-linear ODE Models

# Stan - A Probabilistic Programming Language

Core Development Team (in order of joining)

---

## *25 core contributors (April 2016)*

Andrew Gelman, *Bob Carpenter*, Matt Hoffman, *Daniel Lee*, Ben Goodrich, **Michael Betancourt**, Marcus Brubaker, Jiqiang Guo, Peter Li, Allen Riddell, Marco Inacio, Jeffrey Arnold, Mitzi Morris, Rob Trangucci, Rob Goedman, Brian Lau, Jonah Sol Gabry, Alp Kucukelbir, Robert L. Grant, Dustin Tran, Alp Kucukelbir, Krzysztof Sakrejda, Aki Vehtari, Rayleigh Lei, **Sebastian Weber**

# Hamiltonian Monte Carlo

# Stan In Practice

# Hands-On Session

# Advanced Modeling: Mixture Models & Non-linear ODE Models