STATIC NEURAL OPTIMAL TRANSPORT
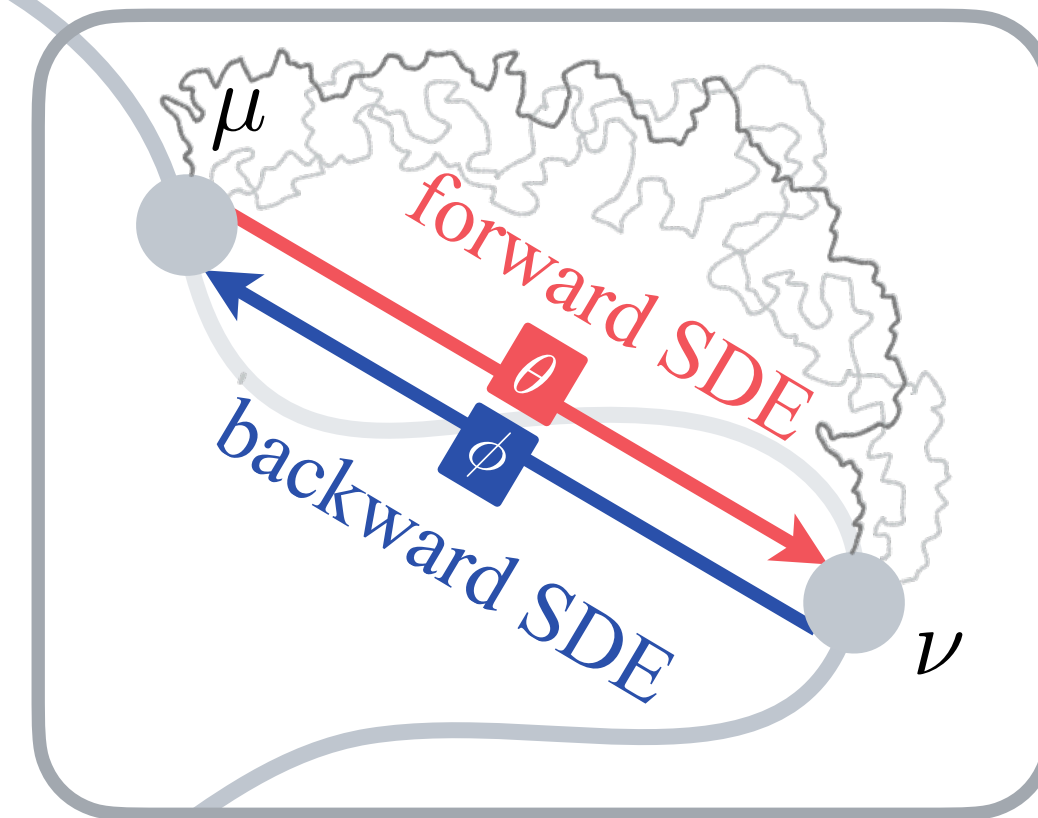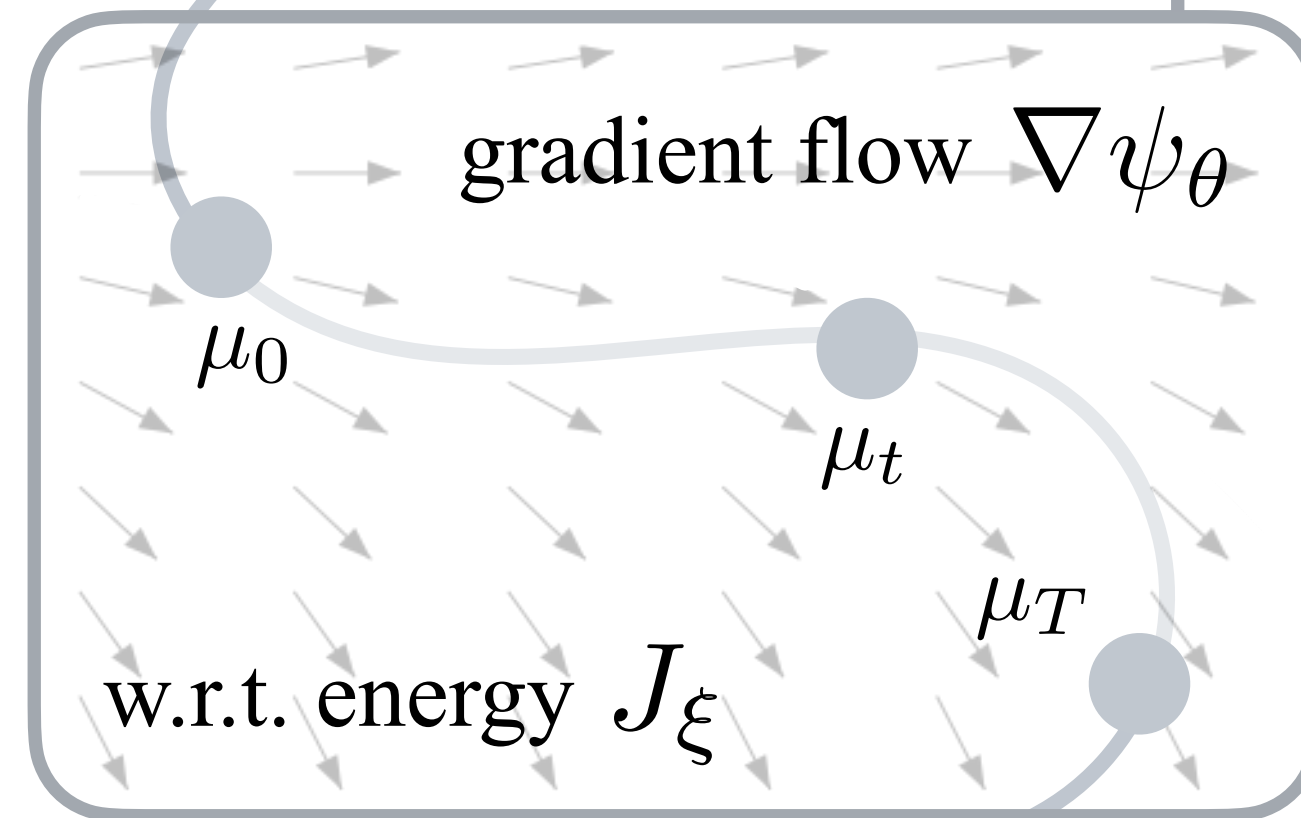
DYNAMIC NEURAL OPTIMAL TRANSPORT

unperturbed cell population

Chapter 4
Maps

Chapter 5
Maps with Context
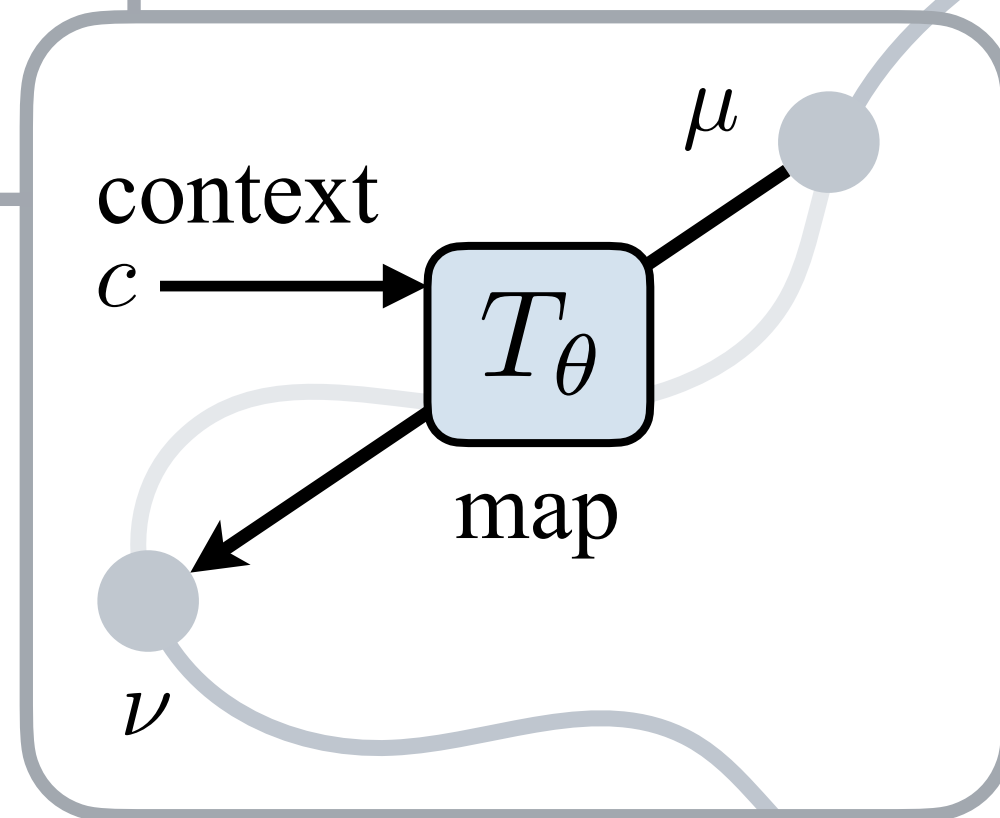
Chapter 6
Gradient Flows

Chapter 7
Stochastic Control

context c

T_θ
map

μ

ν

gradient flow $\nabla \psi_\theta$

μ_0

μ_t

μ_T

w.r.t. energy J_ξ

μ

forward SDE
θ

backward SDE
ϕ

ν

Chapter 2
Problem Formulation and Biological Background

perturbed cell population

Chapter 3
Theoretical Background on Static and Dynamic OT