

Proposal | 2022-10-27

# Accelerated Diffusion Models for Protein Structure Generation

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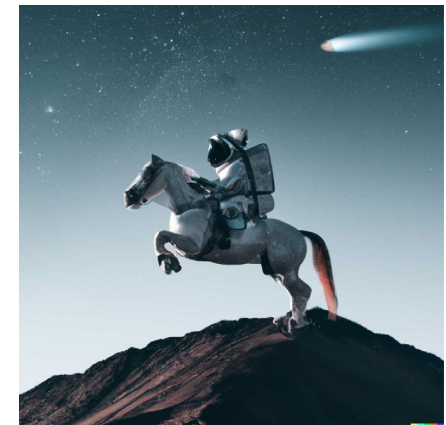
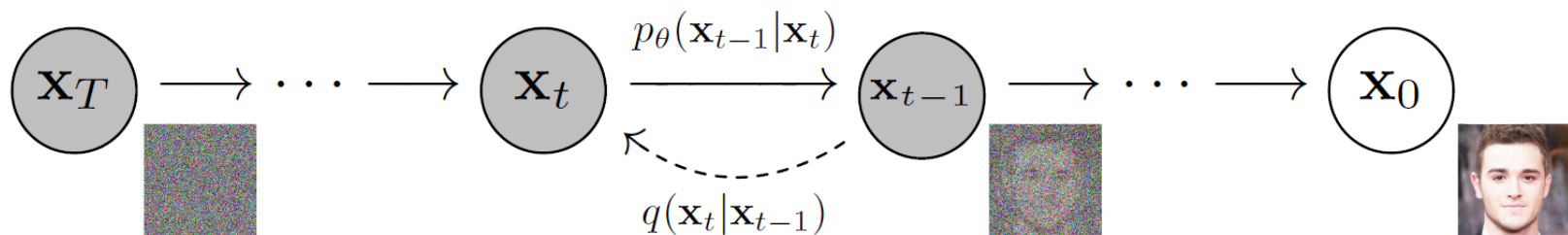
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# Outline

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- Background
  - Applications of diffusion models
  - Algorithm sketch
  - Bottleneck of diffusion models
- Previous Work
  - Forward process
  - Reverse process
  - Advanced modelling
- Our Schedule

# Background

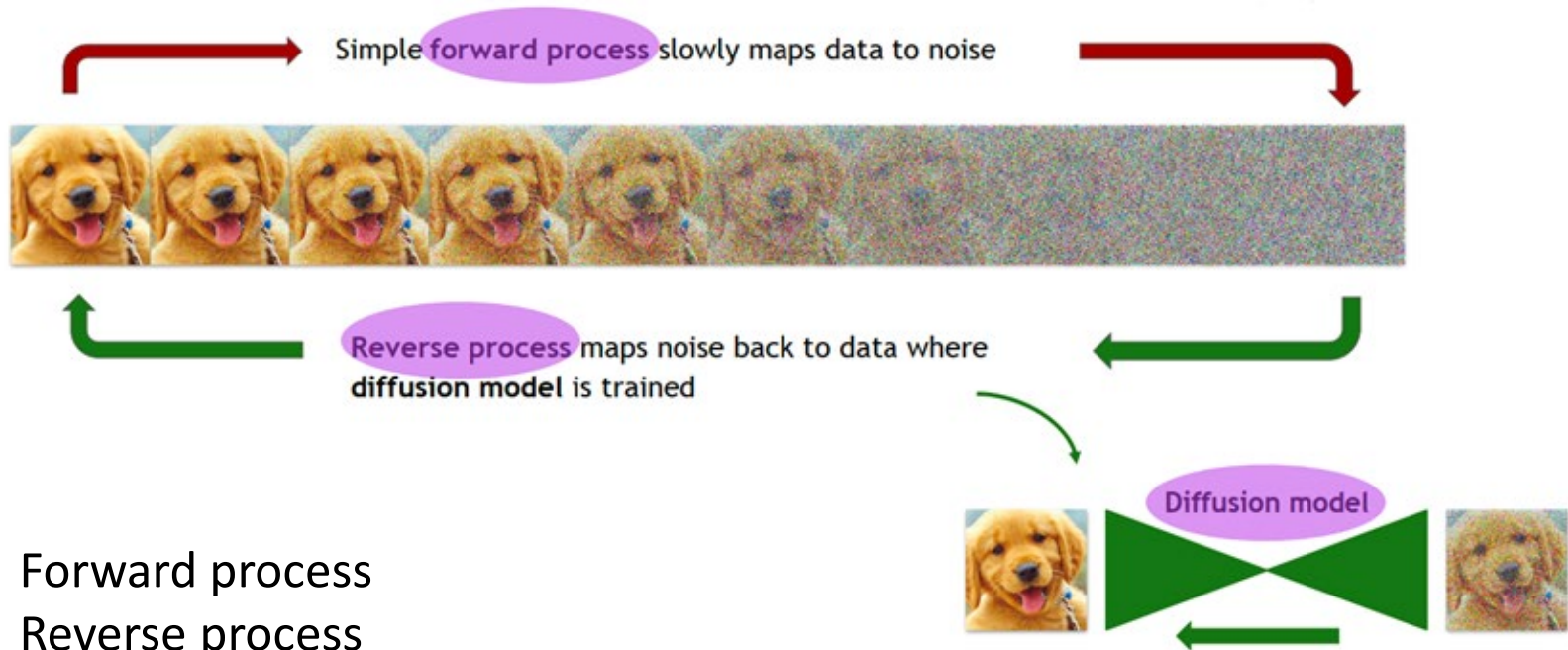


<https://openai.com/dall-e-2/>

Ho J, Jain A, Abbeel P. Denoising diffusion probabilistic models[J]. Advances in Neural Information Processing Systems, 2020, 33: 6840-3 6851.

# Previous Work

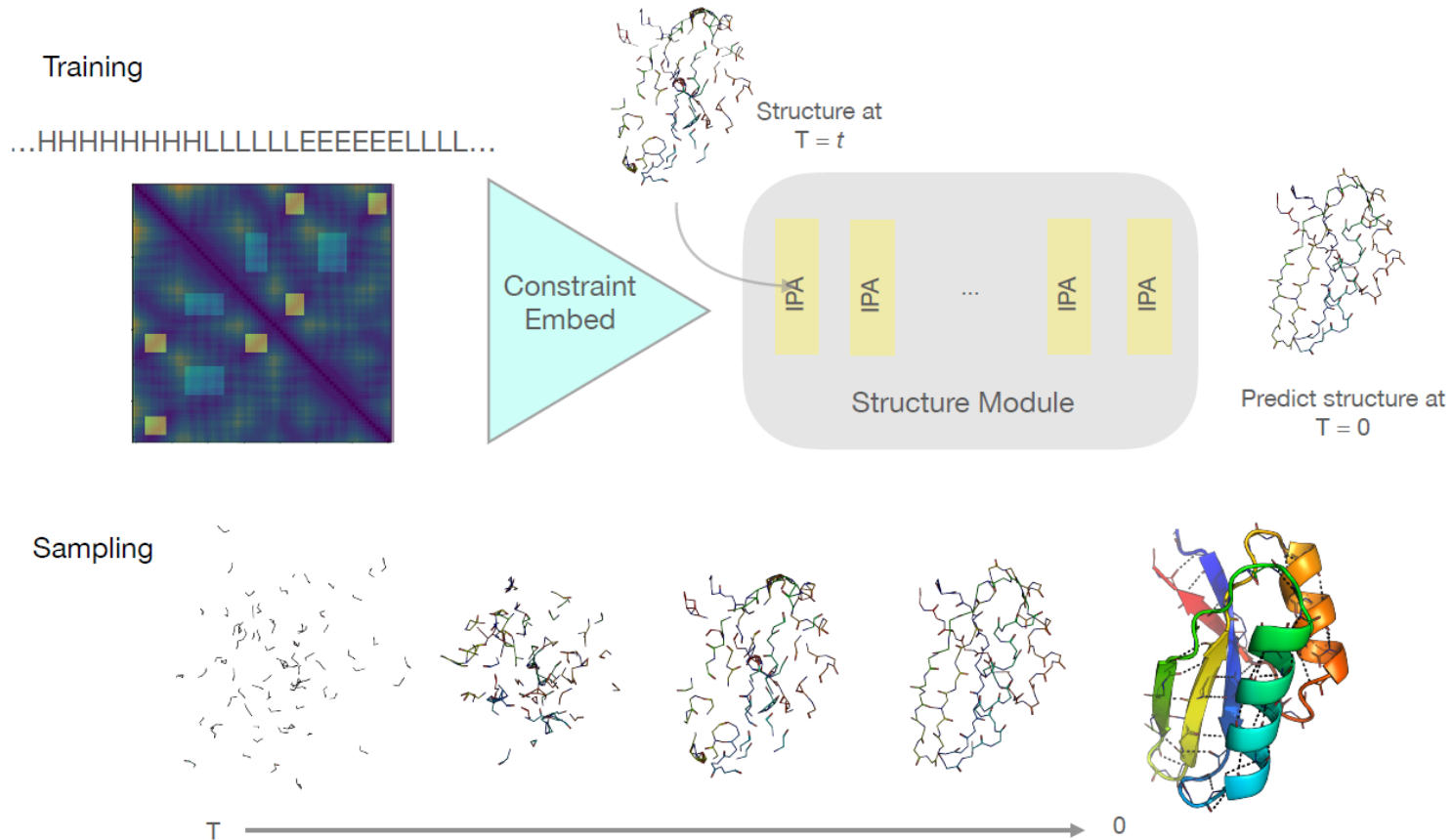
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- Forward process
- Reverse process
- Advanced modelling

# Our Schedule

- Accelerated diffusion models for protein structure generation



# Thank you

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