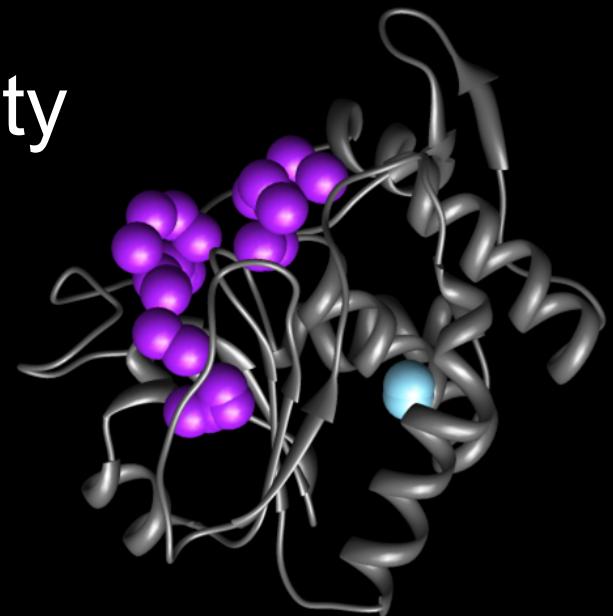


# Virtual screening and 3D protein structure model optimization of the DSP family

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# Week 2 Progress

- DOCK running on both rocks-200 and milk clusters
- Jobs can be sent between clusters
- DOCK jobs for DUSP19 and DUSP21 complete
  - May have some errors in some slices with DUSP19
- Loop modelling and energy minimization complete for most modelled proteins

# Next Week's Goals

- Check and resend problematic slices of DUSP19
- Check results of DUSP21, rerank, and prepare for AMBER screening
- Find way to get DOPE scores for each loop refined model for better determination of best model
- Start DOCK preparation and DOCK for other proteins

Clockwise, from top left:

- Kinkakuji (金閣寺, Temple of the Golden Pavilion)
- Monjayaki with lab members after 6 hours of karaoke
- Hands-on instant ramen making experience
- Shrine in Kinkakuji park area
- School cafeteria food!
- Okonomiyaki

# Culture!



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