

Ready to start planning your care? Call us at [800-525-2225](tel:800-525-2225) to make an appointment.

×



Memorial Sloan Kettering  
Cancer Center

[About Us](#)  
[Sloan Kettering Institute](#)  
[The Christopher Lima Lab](#)

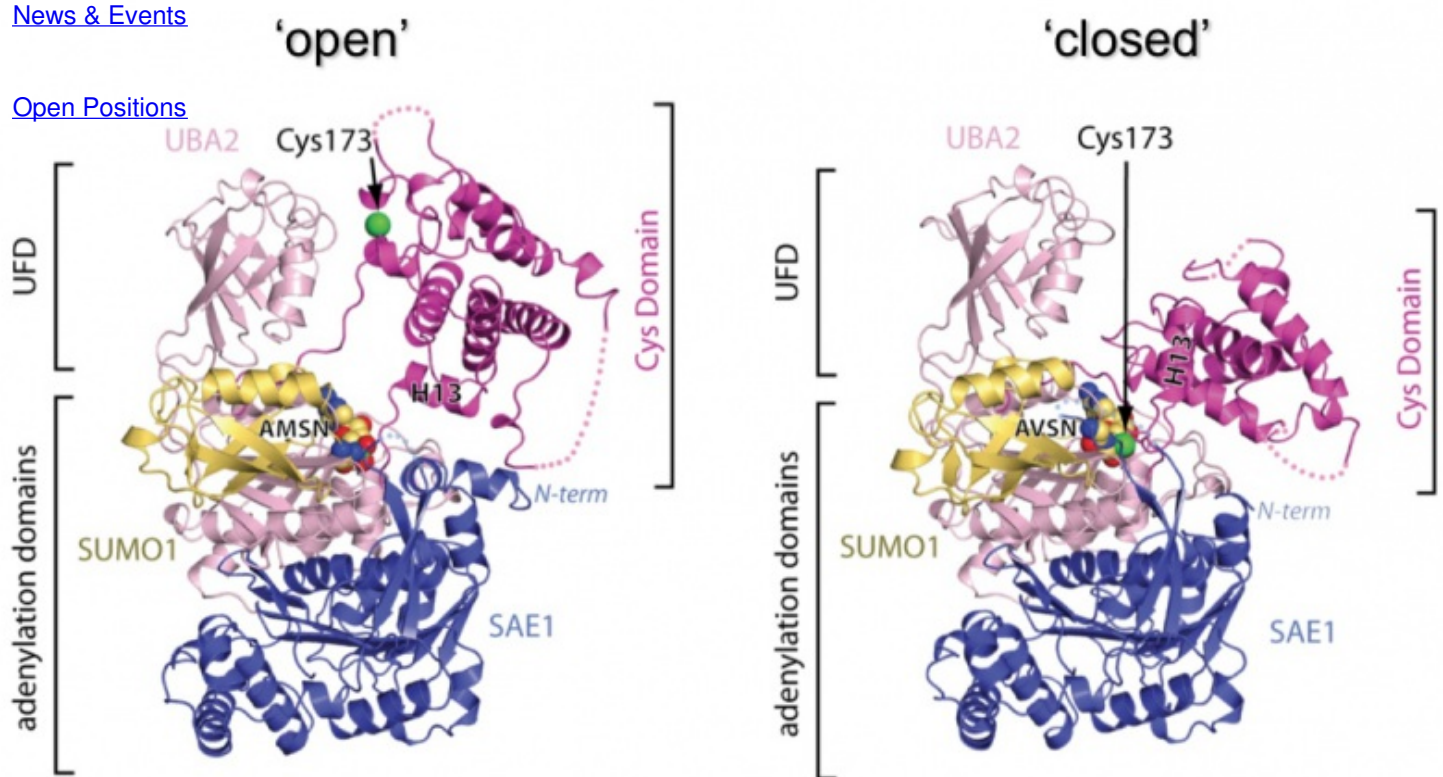
[Research](#)

## Ubiquitin and ubiquitin-like protein conjugation

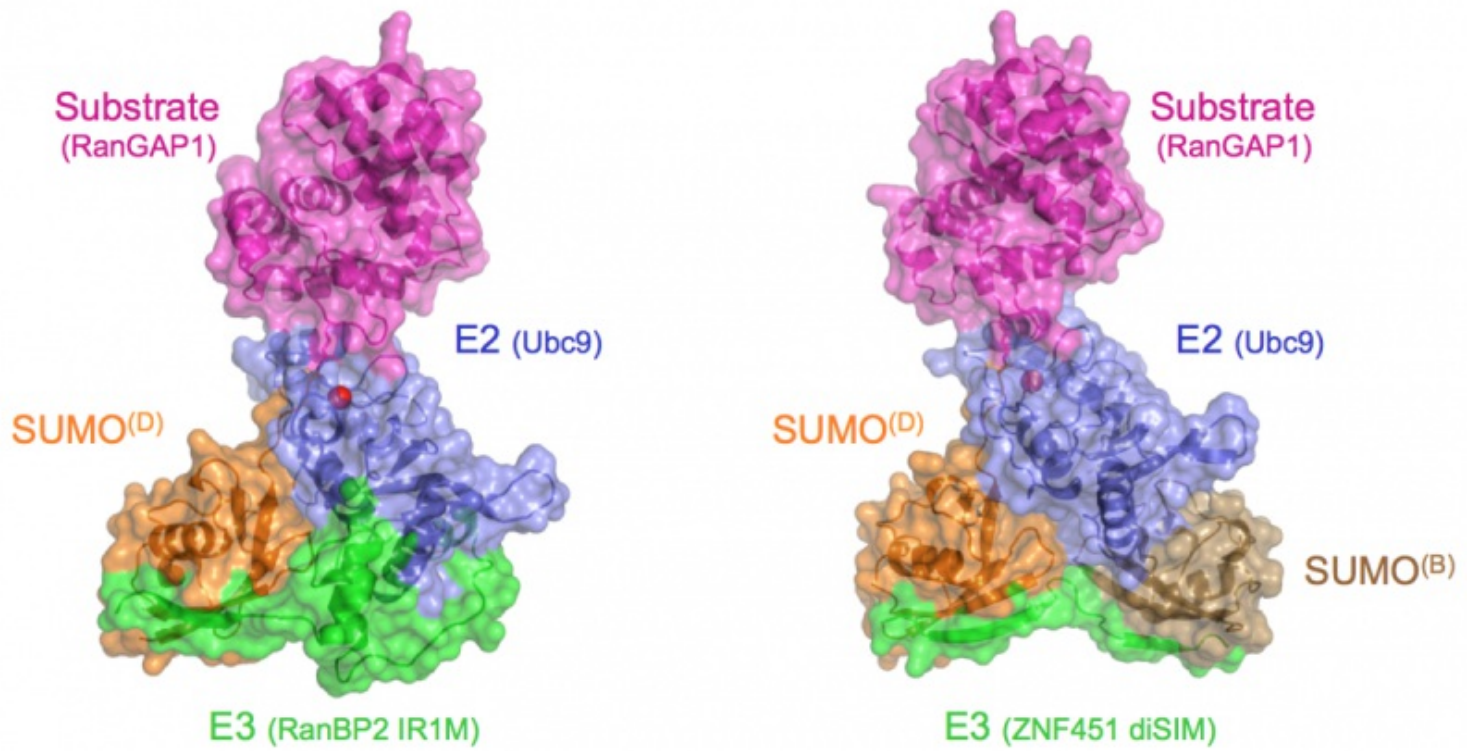
[Education & Training](#)

[News & Events](#)

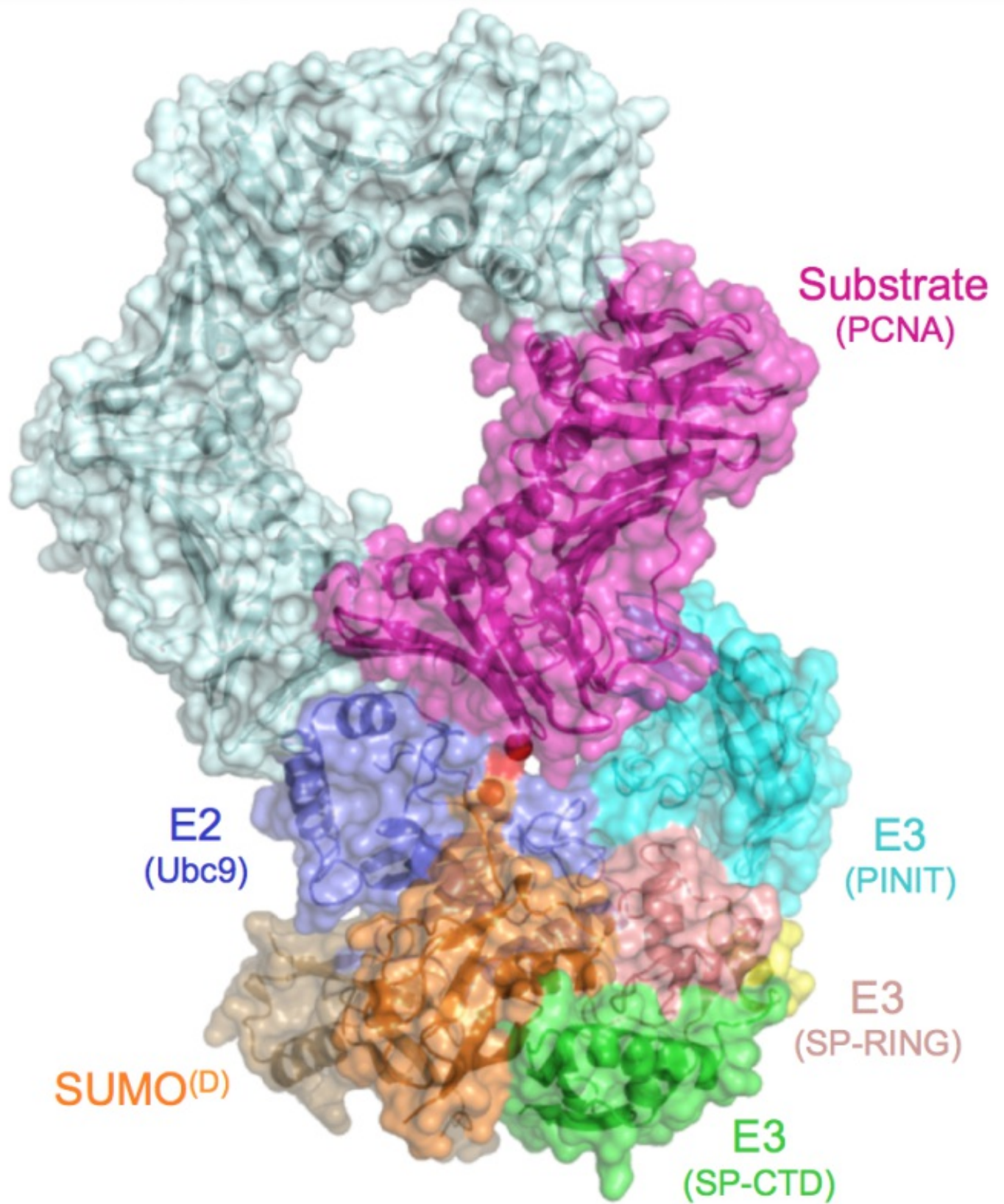
[Open Positions](#)



SUMO E1 captured during thioester bond formation

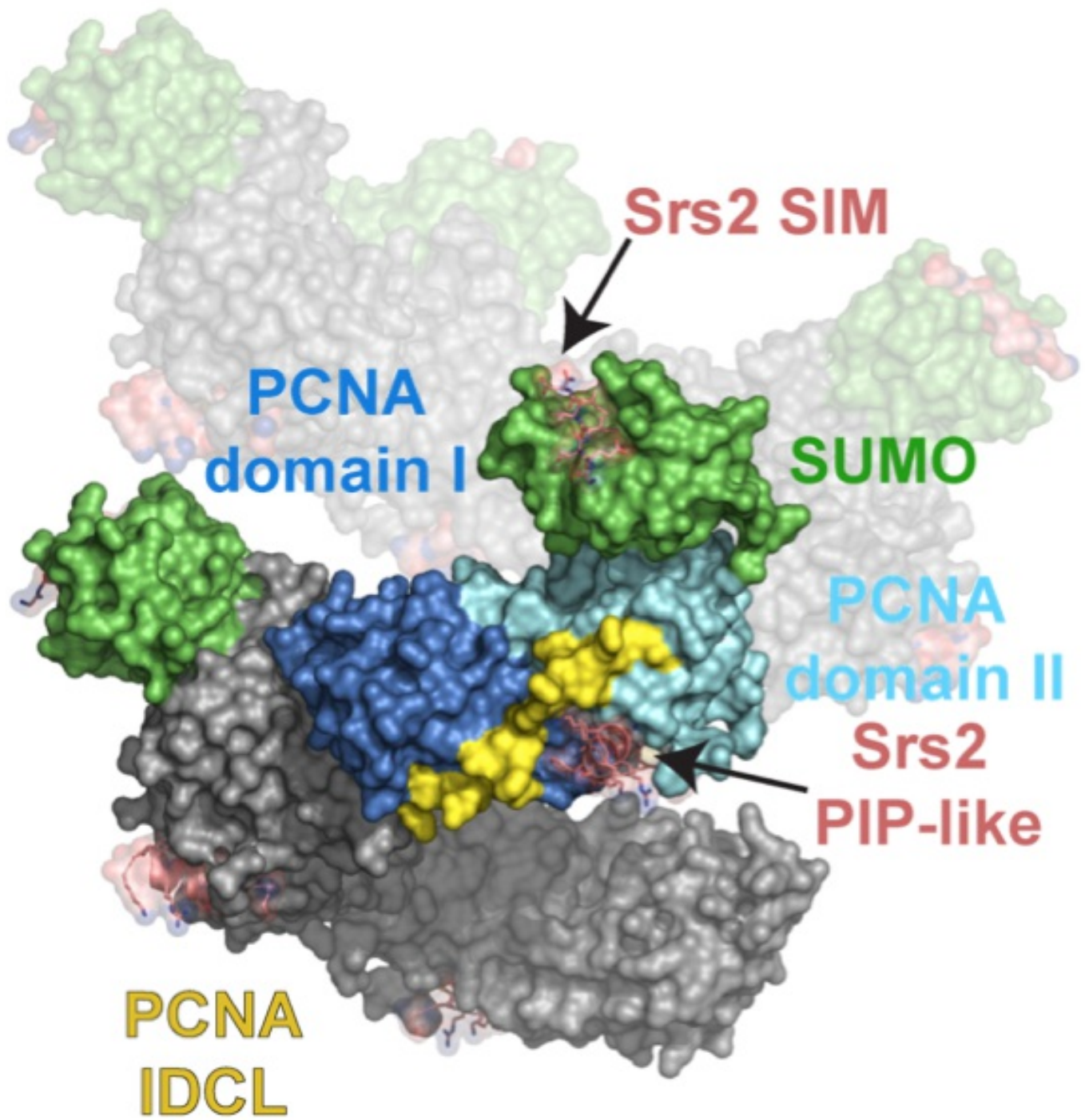


E3-E2 ligase complexes with the RanGAP1 substrate (pink), the E2 Ubc9 (blue), SUMO (orange or brown), and the E3s RanBP2 (left) or ZNF451 (right)



E3-E2-SUMO-PCNA complex captured in action





Recognition of SUMO-PCNA by the the C-terminal domain of the Srs2 helicase

[Overview](#)

[Leadership](#)

[Administration](#)

[History](#)

[Contact Us](#)



## ▾ Research

[Overview](#)

[Research programs](#)

[Research labs](#)

[Core facilities & resources](#)

## ▾ Education & Training

[Overview](#)

[Postdoctoral training](#)

[Gerstner Sloan Kettering Graduate School](#)

[Joint graduate programs](#)

[Programs for college & high school students](#)

## ▾ News & Events

[Overview](#)

[Seminars & events](#)

## ▾ Open Positions

[Overview](#)

[Faculty positions](#)

[Postdoctoral positions](#)

---

[Communication preferences](#)

[Cookie preferences](#)

[Legal disclaimer](#)

[Accessibility Statement](#)

[Privacy policy](#)

[Public notices](#)

